

IBM Sterling Gentrans:Server for Microsoft Windows

RosettaNet User Guide

Version 5.3



Copyright

This edition applies to the 5.3 Version of IBM® Sterling Gentran:Server® for Microsoft Windows and to all subsequent releases and modifications until otherwise indicated in new editions.

Before using this information and the product it supports, read the information in Notices on page N-1.

Licensed Materials - Property of IBM

IBM® Sterling Gentran:Server® for Microsoft Windows

© Copyright IBM Corp. 1996, 2011. All Rights Reserved.

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule

Contract with IBM Corp.

Table of Contents

Preface	About this Guide	
	• Overview	vi
	• Before you Begin	vii
	• What's in this Manual	viii
	• Online Help	ix
	• Getting Support	x
Chapter 1	Sterling Gentran:Server for RosettaNet Overview	
	• Introduction	1-2
	• Sterling Gentran:Server for RosettaNet Components	1-4
	• Changes for Sterling Gentran:Server for RosettaNet	1-7
	• RosettaNet Management Console	1-8
	• The PIP Monitor	1-10
	• The PIP Loader Utility	1-12
	• How to Implement Sterling Gentran:Server for RosettaNet	1-13
Chapter 2	Using Partner Editor with Sterling Gentran:Server for RosettaNet	
	Overview	2-3
	• Introduction	2-3
	• Partner Editor Dialog Box	2-5
	• Partner Definition (New/Edit) Dialog Box	2-7
	• Inbound Relationship Dialog Box	2-9
	• Inbound Translation Object Dialog Box	2-13
	• Inbound Group Select Dialog Box	2-20
	• Inbound Group Entry Dialog Box	2-21
	• Inbound Interchange Select Dialog Box	2-24
	• Inbound Interchange Entry Dialog Box	2-25
	• Outbound Relationship Dialog Box	2-28
	• Outbound Translation Object Dialog Box	2-32
	• Outbound Group Select Dialog Box	2-35
	• Outbound Group Entry Dialog Box	2-36
	• Outbound Interchange Select Dialog Box	2-40
	• Outbound Interchange Entry Dialog Box	2-41
	• Outbound Envelope PIP Initiation Dialog Box	2-45

- ✦ How to Delete a Certificate 4-20
- ✦ How to Import a Certificate 4-21
- ✦ How to Export a Certificate 4-23
- ✦ How to Create the RosettaNet Mailbox for Each Outbound Trading Partner 4-25
- ✦ How to Implement Optional Features on Outbound Mailboxes 4-27
- ✦ How to Create the RosettaNet Mailboxes for Inbound RNIF 1.1/2.0 4-29

Chapter 5 Using the PIP Profiler

- Overview 5-2**
- ✦ Introduction 5-2
- ✦ PIP Profiler Browser 5-5
- ✦ New Profile Dialog Box 5-11
- ✦ Document Properties Dialog Box 5-13
- ✦ Open Dialog Box 5-15
- ✦ Save As Dialog Box 5-16
- Procedures 5-17**
- ✦ How to Create a New PIP Profile 5-17
- ✦ How to Edit PIP Profile Information 5-20
- ✦ How to Revert to the Default RosettaNet PIP Profile 5-22
- ✦ How to Delete a PIP Profile 5-23
- ✦ How to Import a PIP profile 5-24
- ✦ How to Export a PIP profile 5-25

Chapter 6 Using the PIP Instance Viewer

- Overview 6-2**
- ✦ Introduction 6-2
- ✦ PIP Instance Viewer Browser 6-4
- Procedures 6-11**
- ✦ How to View PIP Instance Details 6-11
- ✦ How to Delete a PIP or Document 6-12

Chapter 7 Using Archive and Restore with RosettaNet

- ✦ Introduction 7-2
- Archiving Data 7-3**
- ✦ Overview 7-3
- ✦ Archive Manager 7-4
- ✦ PIP Archive Definition Dialog Box 7-7
- ✦ PIP Instance Selection Criteria Dialog Box 7-9
- ✦ PIP Instance Search Dialog Box 7-10

✦ Search Results Dialog Box	7-12
✦ How to Create an Archive Definition	7-14
✦ How to Archive Data	7-16
✦ How to View Archived Data	7-17
✦ How to Search Archived Data	7-18
Restoring Archived Data	7-19
✦ Overview	7-19

Appendix A Sterling Gentran:Server for RosettaNet Database Table Layouts

✦ Introduction	A-2
✦ PartnerContactInfo_tb	A-3
✦ PIPDef_tb	A-5
✦ PIPProfile_tb	A-7
✦ PIPTrack_tb	A-9

Appendix B Sterling Gentran:Server for RosettaNet Error Messages

✦ Introduction	B-2
Sterling Gentran:Server for RosettaNet Error Messages	B-3
✦ PIP Monitor Error Messages	B-3
✦ SCRNIIF2Document Error Messages	B-7
✦ RN20Agent Error Messages	B-15
✦ SCRException Error Messages	B-20

Notices

Glossary

About this Guide

Contents

➤ Overview	vi
➤ Before you Begin	vii
➤ What's in this Manual	viii
➤ Online Help	ix
➤ How To Get Help	ix

Overview

Welcome

Welcome to the IBM® Sterling Gentran:Server® for RosettaNet for IBM® Sterling Gentran:Server® for Microsoft Windows. We believe that you will find this software and the supporting materials easy to use and directly beneficial to your business.

This manual is intended to explain how to use the Sterling Gentran:Server for RosettaNet version 5.3 and assist you in performing various related tasks in Sterling Gentran:Server.

Note

This manual is *not* intended to explain or define the RosettaNet standard.

**Installation
documentation**

For instructions for installing Sterling Gentran:Server for RosettaNet, see the *IBM® Sterling Gentran:Server® for RosettaNet Installation Card*.

Before you Begin

Assumptions

This list contains the software with which this manual assumes you are familiar.

- ✦ Sterling Gentran:Server
- ✦ Microsoft® Windows®
- ✦ RosettaNet
- ✦ the Sterling Gentran:Server XML option
- ✦ Sterling Gentran:Server Application Integration and its functions

Prerequisites

This list describes the software prerequisites to use Sterling Gentran:Server for RosettaNet.

- ✦ You must comply with the requisite software and hardware requirements to run Sterling Gentran:Server.
- ✦ You must have Sterling Gentran:Server version 5.3 currently installed.

Reference

See the appropriate *IBM® Sterling Gentran:Server® for Microsoft Windows Installation Guide* for instructions.

- ✦ You must have installed the XML option for Sterling Gentran:Server.

Reference

See the *IBM® Sterling Gentran:Server® for Microsoft Windows Options Pack Installation Card* for instructions.

- ✦ You must have installed Sterling Gentran:Server for RosettaNet.

Reference

See the *IBM® Sterling Gentran:Server® for RosettaNet Installation Card* for instructions and prerequisites for installation.

What's in this Manual

Introduction This guide is organized by the tasks that you complete to use Sterling Gentran:Server for RosettaNet. This task-oriented approach is intended to answer any questions you may have with step-by-step instructions.

Intended audience This manual is intended for the staff responsible for implementation and usage of Sterling Gentran:Server for RosettaNet.

Organization of chapters

The guide is organized into the following chapters and appendices.

- *About this Guide* explains the content and organization of this guide.
 - *IBM Sterling Gentran:Server for RosettaNet Overview* provides a high-level overview of Sterling Gentran:Server for RosettaNet.
 - *Using Partner Editor with Sterling Gentran:Server for RosettaNet* explains how to use Sterling Gentran:Server Partner Editor with Sterling Gentran:Server for RosettaNet.
 - *Configuring Maps for Use with Sterling Gentran:Server for RosettaNet* explains how to configure maps for use with Sterling Gentran:Server for RosettaNet.
 - *Using the Security Profile Manager and Other Communications Tasks* describes the tasks that you must complete to use RosettaNet Communications Configuration—the software that enables Sterling Gentran:Server for RosettaNet to send and receive RosettaNet messages and to verify digital signatures. This chapter also explains additional tasks that are necessary to set up communications for Sterling Gentran:Server for RosettaNet.
 - *Using the PIP Profiler* explains how to use Sterling Gentran:Server for RosettaNet PIP Profiler to customize PIP[®] profiles.
 - *Using the PIP Instance Viewer* explains how to use the PIP Instance Viewer, including how to identify the PIP to which a message belongs using the preamble and service header information, verify PIP status, and confirm detailed PIP information for a message.
 - *Using Archive and Restore with Sterling Gentran:Server for RosettaNet* explains how to use the interactive Sterling Gentran:Server archive and restore with Sterling Gentran:Server for RosettaNet implementation.
 - *Sterling Gentran:Server for RosettaNet Database Table Layouts* contains a reference for Sterling Gentran:Server for RosettaNet database tables. This enables you to refer to information on the purpose of each table, when the records in the table are created, updated, and deleted, and the usage of each field.
 - *Sterling Gentran:Server for RosettaNet Error Messages* explains Sterling Gentran:Server for RosettaNet error messages and the action you should take when you receive an error message.
 - *Glossary* explains the RosettaNet terminology used in this manual.
-

Online Help

Introduction

The majority of the documentation in this manual is contained in Sterling Gentran:Server online Help system (Sterling Gentran.HLP). This includes all the dialog box element definitions, detailed processing information, and all the procedural information that is contained in this manual.

How To Get Help

IBM® Sterling Customer Center provides a wealth of online resources that are available around the clock to enrich your business experience with IBM® Sterling Gentran®. By using Sterling Customer Center, you gain access to many self-support tools, including a Knowledge-Base, Documentation, Education, and Case Management. Access this site at: Sterling Customer Center. (<http://customer.sterlingcommerce.com>)

Once logged in, select **Support Center** from the top navigation menu, and then locate Sterling Gentran product-specific support information from the left navigation menu.

Additionally, our Customer Support Reference Guide outlines our support hours, contact information, and key information that will enhance your support experience with us. For detailed information about Customer Support, please refer to the Customer Support Reference Guide accessible from the login page. (<http://customer.sterlingcommerce.com>)

Getting Support

Introduction The Sterling Gentran:Server software is supported by trained product support personnel who are available to help you with product questions or concerns.

Note

IBM Customer Support does not support non-IBM products (e.g., SQL Server, Oracle, etc.), but can assist you in configuring non-IBM products to work with Sterling Gentran:Server.

Phone number For assistance, please refer to your *IBM® Sterling Gentran:Server® Getting Started Guide* to determine which support phone number you should use.

Before calling support

To help us provide prompt service, we ask that you do the following:

- Attempt to recreate any problem that you encounter and record the exact sequence of events.
- When you call product support, you should be prepared to provide us with the information below.

Information	Description
Identification	Your company name, your name, telephone number and extension, and the case number (if the question refers to a previously reported issue).
System Configuration	The Sterling Gentran:Server version (and any service packs installed) and information about the primary Sterling Gentran:Server system controller and all machines experiencing problems, including: the Microsoft Windows operating system version, amount of memory, available disk space, database version, Microsoft Data Access (MDAC) version, and Internet Explorer version. Also, please describe any recent changes in your hardware, software, or the configuration of your system.
System Data Store	Which machines contain folders in the system data store?
Error Messages	Record the exact wording of any error messages you receive and the point in the software where the error occurred, as well as any log files.
Attempted Solutions	Record any steps that you took attempting to resolve the problem and note all the outcomes, and provide an estimate on how many times the problem occurred and whether it can be reproduced.

How To Get Help

IBM® Sterling Customer Center provides a wealth of online resources that are available around the clock to enrich your business experience with IBM® Sterling Gentran®. By using Sterling Customer Center, you gain access to many self-support tools, including a Knowledge-Base, Documentation, Education, and Case Management. Access this site at: Sterling Customer Center. (<http://customer.sterlingcommerce.com>)

Once logged in, select **Support Center** from the top navigation menu, and then locate Sterling Gentran product-specific support information from the left navigation menu.

Additionally, our Customer Support Reference Guide outlines our support hours, contact information, and key information that will enhance your support experience with us. For detailed information about Customer Support, please refer to the Customer Support Reference Guide accessible from the login page. (<http://customer.sterlingcommerce.com>)

Documentation

The Customer Support Web Site contains a documentation library, which has the entire Sterling Gentran:Server for Microsoft Windows documentation set. You can download the product manuals in PDF format from this library at any time.

Sterling Gentran:Server for RosettaNet Overview

Contents

- Introduction 1 - 2
 - Sterling Gentran:Server for RosettaNet Components 1 - 4
 - Changes for Sterling Gentran:Server for RosettaNet 1 - 7
 - RosettaNet Management Console 1 - 8
 - The PIP Monitor 1 - 10
 - The PIP Loader Utility 1 - 12
 - How to Implement Sterling Gentran:Server for RosettaNet 1 - 13
-

Introduction

In this chapter This chapter provides a high-level overview of Sterling Gentran:Server for RosettaNet.

What is RosettaNet?

RosettaNet is a consortium of computer manufacturers, electronics component suppliers, and distributors focused on automating and improving the efficiency of the supply chain within that industry by using standard electronic business interfaces via Internet transport and XML technology.

RosettaNet defines a format for business processes, which include data formats and flows using RosettaNet-defined transport methods and security. The RosettaNet-defined processes serve as frameworks for business flows throughout trading partner systems.

Note

This manual assumes that you are familiar with RosettaNet.

References

- Access the www.Rosettanet.org URL for specific information about the RosettaNet consortium and its standards.
- See the *RosettaNet Implementation Framework (RNIF)* message (which is also available at the www.Rosettanet.org URL) for details about transport and security method requirements.

What is a PIP®?

A Partner Interface Process (PIP) is a RosettaNet-defined business process designed to be a framework for business flows between RosettaNet trading partners. Sterling Gentran:Server for RosettaNet enables you to modify PIPs according to your processing needs.

What is Sterling Gentran:Server for RosettaNet?

Sterling Gentran:Server for RosettaNet works with Sterling Gentran:Server to enable you to configure processing for RosettaNet-compliant electronic business processes. Sterling Gentran:Server for RosettaNet also enables you to monitor RosettaNet processing activity.

Notes

- Sterling Gentran:Server for RosettaNet supports RNIF 1.1 and 2.0 messages.
- The MIME parts of all RNIF 2.0 outbound messages are base64 encoded.

Reference

See *base 64 encoding* on page 1 - 1 for an explanation of base64 encoding and other RosettaNet terms used in this manual.

**Sterling
Gentran:Server
for RosettaNet
processing**

The majority of the processing involved in a RosettaNet-compliant business process falls within the scope of the Sterling Gentran:Server system. However, RosettaNet-compliant processes are based upon a service-to-service process and one RosettaNet-compliant business process may involve multiple messages. Therefore, Sterling Gentran:Server for RosettaNet enables you to configure and track the following information:

- information about each message and its partner relationship
 - the communications configuration for a process
 - the status of the messages within the system
-

Sterling Gentran:Server for RosettaNet Components

Introduction

You use the Sterling Gentran:Server for RosettaNet components to:

- ✦ Customize PIP properties according your needs and the requirements of your trading partners.
- ✦ Track PIP instances (RosettaNet messages).
- ✦ View detailed information about a selected message.
- ✦ Start and stop the PIP Monitor service.
- ✦ Send and receive RosettaNet messages and verify digital signatures.

System components

This table describes the Sterling Gentran:Server for RosettaNet components.

Program	Description
PIPLoader_UI.EXE	<p>The PIPLoader_UI.exe component is a Sterling Gentran:Server for RosettaNet Server utility that will allow users to load individual PIPs into the PIPDef_tb that are not available on the current RosettaNet Standards and XML Standards CDs.</p> <p>Reference See <i>The PIP Loader Utility</i> on page 1 - 12 for more information.</p>
PIPProfiler.EXE	<p>This is the PIP Profiler, which is a component of Sterling Gentran:Server for RosettaNet that enables you to set up PIP profiles for RosettaNet processing, and thus set business rules by which PIPs will be executed and monitored with your trading community.</p> <p>The PIP Profiler enables you to modify PIP properties from predefined RosettaNet PIP definitions. Then you can save the new PIP profile in the PIPProfile_tb database table and reuse it as a template for customizing other PIPs.</p> <p>Note For Sterling Gentran:Server for RosettaNet version 5.3, the PIP Profiler enhances and replaces the PIP Decision Editor from previous releases.</p> <p>Reference See <i>Using the PIP Profiler</i>, chapter 5, for more information.</p>

(Contd) Program	Description
PIPViewer.EXE	<p>This is the PIP Instance Viewer, which is a component of Sterling Gentran:Server for RosettaNet that allows you to view all the RosettaNet documents and the details that were in the Preamble, Delivery Header (for RNIF 2.0 messages only), and Service Header of the message. This allows you to see the completeness of PIPs as well as their status. The PIP Instance Viewer enables you to:</p> <ul style="list-style-type: none"> ✦ Identify the PIP to which a message belongs using the preamble and service header information. ✦ Verify PIP status. ✦ Confirm detailed PIP information for a message. <p>Reference See <i>Using the PIP Instance Viewer</i>, chapter 6, for more information.</p>
PIPMonitorService.EXE	<p>This is the PIP Monitor, which tracks every PIP message, verifies that messages are flowing through the system in conformance with the business rules established in the PIP Profiler, determines what the system response to the message should be, and executes that response. PIP Monitor actions include:</p> <ul style="list-style-type: none"> ✦ sending alerts ✦ sending errors ✦ sending warnings ✦ resending a message <p>Reference See <i>The PIP Monitor</i> on page 1 - 10 for more information about PIP Monitor functions.</p>
RNMgmtConsole.EXE	<p>This is the Sterling Gentran:Server RosettaNet Management Console, which is the launching point for all other RosettaNet Applications, including the:</p> <ul style="list-style-type: none"> ✦ Partner Contact Information Manager ✦ PIP Profiler ✦ PIP Instance Viewer ✦ Security Profile Manager <p>This interface also enables you to start and stop the PIP Monitor service and select whether you keep (rather than discard) inbound message that are security violations or would generate exceptions.</p>

(Contd) Program	Description
SCCertMgr.EXE	<p>This is the Security Profile Manager, which enables you to administer both the public and private certificates required to encrypt, decrypt, sign, and verify messages as they flow in and out of Sterling Gentran:Server.</p> <p>Note The Security Profile Manager only resides on the Sterling Gentran:Server Mailbox Server, and is responsible for managing the digital certificate <i>on that machine</i>. The nature of certificate management makes it impossible to remotely administer these functions.</p>
SCPartnerContact Info.EXE	<p>The Partner Contact Information Manager enables you to specify information about your enterprise and your partners' enterprises, to ensure that the system can accurately process RosettaNet signal and OA1 messages.</p>

Changes for Sterling Gentran:Server for RosettaNet

Introduction

In addition to installing the RosettaNet components, the Sterling Gentran:Server for RosettaNet installation program also modifies the core Sterling Gentran:Server program. This enables Sterling Gentran:Server to provide the appropriate functionality for RosettaNet customers.

The user interface modifications for Sterling Gentran:Server for RosettaNet are located in the following subsystems:

- Archive Manager

Reference

See *Using Archive and Restore with Sterling Gentran:Server for RosettaNet*, chapter 7, for more information.

- Partner Editor

Reference

See *Using Partner Editor with Sterling Gentran:Server for RosettaNet*, chapter 2, for more information.

- During translation the Interchange key is made available to the Application Integration subsystem (MAPPER.EXE program) through the use of extended rules.

Reference

See the *IBM® Sterling Gentran:Server® Application Integration User Guide* for more information on extended rules.

RosettaNet Management Console

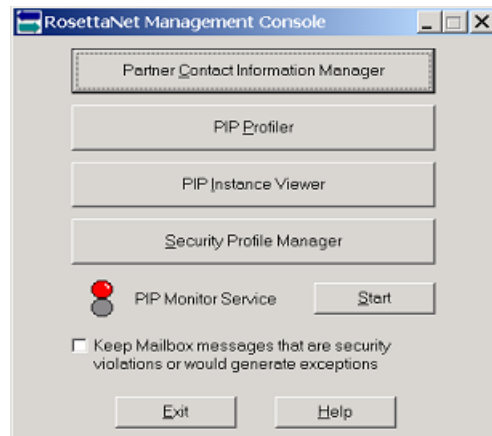
Introduction The RosettaNet Management Console is the launching point for all other RosettaNet Applications, including the:

- Partner Contact Information Manager
- PIP Profiler
- PIP Instance Viewer
- Security Profile Manager

This interface also enables you to start and stop the PIP Monitor service and select whether you keep (rather than discard) inbound message that are security violations or would generate exceptions.

How to access From the Start menu select **Programs\Gentran Server\Gentran RosettaNet Management Console**.

Diagram This diagram illustrates the RosettaNet Management Console.



Parts and functions

This table lists the parts of RosettaNet Management Console and their functions.

Part	Function
Partner Contact Information Manager	Displays the Partner Contact Information Manager Dialog Box.
PIP Profiler	Displays the PIP Profiler Browser.
PIP Instance Viewer	Displays the PIP Instance Viewer Browser.
Security Profile Manager	Displays the Security Profile Manager Browser.
PIP Monitor Service	Enables you to stop or start the PIP Monitor service on the selected controller.
Start/Stop	
Keep Mailbox messages that are security violations or would generate exceptions	Enables you to specify whether you want to keep inbound messages that are security violations or that would generate exceptions. The default is not selected, which indicates that all traces of inbound messages that are security violations or that generate exceptions are discarded.
Exit	Exits the dialog box.
Help	Accesses context-sensitive help.

The PIP Monitor

What is the PIP Monitor?

The PIP Monitor is a component of the Sterling Gentran:Server for RosettaNet that:

- Tracks every PIP message.
- Determines what the system response to the message should be.
- Executes that response.

The PIP monitor ensures that messages which are flowing through the system conform to the business rules that you established through the PIP Profiler.

PIP Monitor activity

As part of its PIP tracking process, the PIP Monitor sends alerts, errors, and warnings to the Sterling Gentran:Server Audit Log. The PIP Monitor also resends messages, as required (e.g., if a response message was not received then the PIP Monitor initiates a resend of the outgoing message). You configure PIP specifications via the PIP Profiler, according to the trading partner and message, and this configuration determines the PIP Monitor activities for each PIP.

Example Actions

- When a PIP message enters the system, the PIP Monitor uses the customized PIP profile that you configured with the PIP Profiler to ascertain which messages to send in response to the message.
- The PIP Monitor resends the message automatically based on the values specified when you set up the PIP. When you create a PIP profile, you set a time allotment in which the response or acknowledgement for that message must be received. Then if the allotted time expires, the PIP Monitor resends the message. If the PIP Monitor reaches the maximum retry count, it sends an error message to the Sterling Gentran:Server Audit Notification system. Prior to initiating the resend, the PIP Monitor changes the status in the PIPTrack_tb database table to “R” so the Delivery Agent knows to treat the document as a resend.
- If a resend does not correct the issue or a resend is no longer appropriate, the PIP Monitor places the PIP in a state of “Error” and initiates an OA1 Notification of Failure PIP. You can also specify that if a PIP is approaching an error status then the PIP Monitor sets it to “Warning,” based on the warning timeout threshold

References

- See *Using the PIP Profiler*, chapter 5, for more information about creating PIP profiles.
- See *PIP Monitor Error Messages* on page B - 3 for information about the error messages the PIP Monitor sends to the Sterling Gentran:Server Audit Log.

Managing the PIP Monitor

The PIP Monitor does not have a Sterling Gentran:Server user interface. It is a service (RosettaNet Server PIP Monitor) managed through the Microsoft Windows Control Panel Services application (for Microsoft Windows) or the Services MMC snap-in.

Note

Any other information the PIP Monitor communicates is placed into the Sterling Gentran:Server Audit Log or the Microsoft Windows Event Log.

References

- See *PIP Monitor Error Messages* on page B - 3 for information about the error messages the PIP Monitor sends to the Sterling Gentran:Server Audit Log.
- See your Microsoft Windows documentation for more information on viewing the Event Log.

Viewing PIP Monitor messages

The PIP Monitor sends messages to the Audit Notification System and you use the Sterling Gentran:Server Audit Log to view PIP Monitor messages.

Reference

See Using the Audit Log in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information on that Sterling Gentran:Server feature.

The PIP Loader Utility

Introduction

The PIPLoader_UI.exe component is a Sterling Gentran:Server for Microsoft Windows RosettaNet Server utility that will allow users to load individual PIPs into the PIPDef_tb that are not available on the current RosettaNet Standards and XML Standards CDs.

Using the PIP Loader Utility User Interface

The PIP Loader Utility uses the Sterling Gentran:Server Mailbox Server DSN settings to logon to the database and insert the PIP information. If Sterling Gentran:Server is installed on an Oracle database, the “Oracle Database” check box must be selected before a PIP can be inserted into the database. This will prompt the user for the Oracle username and password.

Note:

Support for Oracle databases does not include support for the Oracle Exadata platform.

All fields in the PIPDef_tb must be populated with a value when entering a new PIP entry. The PIP Loader Utility will not insert the values if any of the fields are not populated with a valid value.

Reference

See the PIP Loader online help for more information on the PIP Loader Utility fields and their specifications.

How to Implement Sterling Gentran:Server for RosettaNet

Introduction This section lists the tasks that are necessary to implement Sterling Gentran:Server for RosettaNet.

Process This table lists the tasks you need to complete to implement Sterling Gentran:Server for RosettaNet.

Stage	Process
1	<p>Install Sterling Gentran:Server for RosettaNet.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for RosettaNet Installation Card</i> for more information.</p>
2	<p>For each of your trading partners, create inbound and outbound relationships for each message in the PIPs you are exchanging.</p> <p>Reference See <i>Using Partner Editor with Sterling Gentran:Server for RosettaNet</i>, chapter 2, for more information.</p>
3	<p>Create a PIP profile for each PIP you are exchanging.</p> <p>Reference See <i>Using the PIP Profiler</i>, chapter 5, for more information.</p>
4	<p>Configure partner contact information for each one of your trading partners.</p> <p>Note You must enter partner contact information before the system can process RosettaNet Receipt Acknowledgements and Exceptions.</p> <p>Reference See <i>How to Create a Partner Contact</i> on page 2 - 81 for more information.</p>
5	<p>Load the RosettaNet message standards.</p> <p>Reference See <i>How to Load the XML (RosettaNet) Message Standards</i> on page 3 - 8 for more information.</p>
6	<p>Configure inbound and outbound mapping information.</p> <p>Reference See <i>Configuring Maps for Use with Sterling Gentran:Server for RosettaNet</i>, chapter 3, more information.</p>

(Contd) Stage	Process
7	If necessary, configure security profile information. Reference <i>See Using the Security Profile Manager and Other Communications Tasks, chapter 4, for more information.</i>
8	Create an inbound mailbox, an outbound mailbox, and configure the RosettaNet Delivery Agent. Reference <i>See Using the Security Profile Manager and Other Communications Tasks, chapter 4, for more information.</i>
9	Test the exchange of a PIP with your trading partner.
10	Determine whether you want to keep inbound messages that are security violations or generate exceptions. If you do, access the RosettaNet Management Console and select the Keep Mailbox message that are security violations or would generate exceptions checkbox.

Using Partner Editor with Sterling Gentran:Server for RosettaNet

Contents	Overview.....	2 - 3
	➤ Introduction.....	2 - 3
	➤ Partner Editor Dialog Box.....	2 - 5
	➤ Partner Definition (New/Edit) Dialog Box.....	2 - 7
	➤ Inbound Relationship Dialog Box.....	2 - 9
	➤ Inbound Translation Object Dialog Box.....	2 - 13
	➤ Inbound Group Select Dialog Box.....	2 - 20
	➤ Inbound Group Entry Dialog Box.....	2 - 21
	➤ Inbound Interchange Select Dialog Box.....	2 - 24
	➤ Inbound Interchange Entry Dialog Box.....	2 - 25
	➤ Outbound Relationship Dialog Box.....	2 - 28
	➤ Outbound Translation Object Dialog Box.....	2 - 32
	➤ Outbound Group Select Dialog Box.....	2 - 35
	➤ Outbound Group Entry Dialog Box.....	2 - 36
	➤ Outbound Interchange Select Dialog Box.....	2 - 40
	➤ Outbound Interchange Entry Dialog Box.....	2 - 41
	➤ Outbound Envelope PIP Initiation Dialog Box.....	2 - 45
	➤ Partner Contact Information Manager Dialog Box.....	2 - 53
	➤ Add Contact Dialog Box.....	2 - 56
	➤ Edit Contact Dialog Box.....	2 - 58
	➤ Filename for Partner Contact Information Import Dialog Box.....	2 - 60
	➤ Filename for Partner Contact Information Export Dialog Box.....	2 - 61
	Procedures.....	2 - 62
	➤ How to Create a New RosettaNet Partner Definition.....	2 - 62
	➤ How to Create a New RosettaNet Inbound Relationship.....	2 - 64
	➤ How to Create a New RosettaNet Outbound Relationship.....	2 - 72
	➤ How to Edit or Delete a RosettaNet Partner Definition.....	2 - 79

- How to Create a Partner Contact 2 - 81
 - How to Edit Partner Contact Information 2 - 82
 - How to Delete a Partner Contact 2 - 83
 - How to Import a Partner Contact 2 - 84
 - How to Export a Partner Contact 2 - 85
-

Overview

Introduction

In this chapter This chapter explains how to use the Partner Editor with Sterling Gentran:Server for RosettaNet.

Partner Editor The Partner Editor allows you to define, edit, and delete all partner relationship information for your company and all of your trading partners. Partner relationships allow you to send and receive data to and from your trading partners.

The Partner Editor also allows you to use an internal system partner (Internal System User) to define your company to the system.

Reference

See Using Partners in the *IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for more information on using Partner Editor outside the scope of Sterling Gentran:Server for RosettaNet.

Partner definition A partner profile begins with a *partner definition*. The partner definition contains the basic information that the system needs before you define the rest of the partner profile.

Task

You need to create a partner definition for each partner with whom you are going to exchange data.

Partner profile To complete the partner profile, you need to define an inbound and an outbound relationship.

Task

You need to create an inbound and outbound relationships for each partner with whom you are going to exchange data.

Partner Contact Information Manager The Partner Contact Information Manager enables you to specify information about your enterprise and your partners' enterprises, to ensure that the system can accurately process RosettaNet signal and OA1 messages.

Note

You must enter partner contact information before the system can process RosettaNet Receipt Acknowledgements and Exceptions.

Process of defining a partner profile

The following table describes the partner profile creation process.

Stage	Description
1	Create the partner definition. Reference See <i>How to Create a New RosettaNet Partner Definition</i> on page 2 - 62.
2	Create the inbound relationship. Reference See <i>How to Create a New RosettaNet Inbound Relationship</i> on page 2 - 64.
3	Create the outbound relationship. Reference See <i>How to Create a New RosettaNet Outbound Relationship</i> on page 2 - 72.
4	Do you need to use a cross-reference or lookup table with the partner relationship to supplement or convert data you enter or receive inbound? <ul style="list-style-type: none"> ✦ If <i>yes</i>, see <i>How to Create a Table in the IBM® Sterling Gentran:Server® for Microsoft Windows User Guide</i> for more information. ✦ If <i>no</i>, continue with stage 5.
5	Do you need to use locations to contain address- and contact-related information about the partner? <ul style="list-style-type: none"> ✦ If <i>yes</i>, see <i>How to Create Partner Locations in the IBM® Sterling Gentran:Server® for Microsoft Windows User Guide</i> for more information. ✦ If <i>no</i>, continue with stage 6.
6	Do you want to specify information about your enterprise and your partners' enterprises, to ensure that the system can accurately process RosettaNet signal and OA1 messages? <ul style="list-style-type: none"> ✦ If <i>yes</i>, see <i>How to Create a Partner Contact</i> on page 2 - 81 for more information. ✦ If <i>no</i>, you have completed the partner profile definition process.

Partner Editor Dialog Box

Introduction Partner Editor enables you to define, edit, and delete all partner information for your company and all of your trading partners.

Diagram This diagram illustrates the Partner Editor dialog box.



Parts and functions

This table lists the parts of the Partner Editor dialog box and their functions.

Part	Function
Select a Partner	Displays the list of partner profiles.
Copy	Displays the Partner Copy Dialog Box, which allows you to copy a partner profile.
Import	Displays the Import File Select Dialog Box, which allows you to import a partner profile.
Export	Displays the Export File Build Dialog Box, which allows you to export a partner profile.
Exit	Exits the Partner Editor dialog box.

(Contd) Part	Function
Edit	Displays the Partner Definition (New/Edit) Dialog Box for the selected partner.
New	Displays the Partner Definition (New/Edit) Dialog Box, which allows you to create a new partner definition.
Delete	Removes the selected partner profile from the system.
Inbound	Displays the Inbound Relationship Dialog Box for the selected partner.
Outbound	Displays the Outbound Relationship Dialog Box for the selected partner.
Tables	Displays the Partner Tables Dialog Box for the selected partner.
Locations	Displays the Location Select Dialog Box for the selected partner.
Refresh	Refreshes the dialog box display.
Help	Accesses context-sensitive help information.

Partner Definition (New/Edit) Dialog Box

Introduction The Partner Definition dialog box enables you to create a new partner definition and allows you to edit a selected, previously defined partner definition.

Diagram This diagram illustrates the Partner Definition - New dialog box.

Parts and functions This table lists the parts of the Partner Definition dialog box and their functions.

Part	Function
Profile ID	Specifies a unique identifier for the selected partner.
Name	Specifies a unique name for the partner. Note Make this name as descriptive as possible because this is the name displayed in the partner selection list.
EDI Code	Specifies the EDI identifier for this partner. The system uses this value during inbound processing to select the correct trading partner definition.
Application Code	Specifies an application code used to identify this partner. The system uses this value during outbound import processing to select the correct trading partner definition.
Default Mailbox	Specifies a default mailbox to use to identify this partner for non-RosettaNet EDI relationships. Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.

(Contd) Part	Function
Default E-mail Address	<p>Specifies a default e-mail address to use to identify this partner for non-RosettaNet EDI relationships.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Save	Saves the modified information.
Exit	Exits the Partner Definition dialog box.
Help	Displays context-sensitive help information.
New Mailbox	<p>Displays the Create New Mailbox wizard, which allows you to create a new mailbox.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Edit Mailbox	<p>Displays the Mailbox Properties dialog box, which allows you to edit the mailbox.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>

Inbound Relationship Dialog Box

Introduction Inbound relationships define the parameters the system needs to receive a message from a trading partner. The Inbound Relationship dialog box controls other subordinate dialogs which allow you to define everything that is necessary to establish the relationship.

You are required to specify exactly which message is to be received. You also define which translation objects are used to define any turnaround messages, export rules, or printing requirements.

Diagram This diagram illustrates the Inbound Relationship dialog box with the Advanced options appended.

Parts and functions

This table lists the parts of the Inbound Relationship dialog box and their functions.

Part	Function
Relationship Description	Specifies the existing inbound relationships.

(Contd) Part	Function
Standard	<p>Specifies the standard to be used in this relationship.</p> <p>Note Only standards for which you have existing translation objects are displayed. This box cannot be changed for an existing relationship. Selection of this box is mandatory.</p> <p>Valid values</p> <ul style="list-style-type: none"> ✦ A - TRADACOMS ✦ C - CII ✦ D - NCPDP ✦ E - EDIFACT ✦ O - ODETTE ✦ P - OTHER ✦ R - ROSETTANET ✦ T - TDCC ✦ U - UCS ✦ V - VDA
Version	<p>Specifies the standard version to be used in this relationship.</p> <p>Note Only versions of the selected standard for which you have existing translation objects are displayed. If this box is changed for an existing relationship, all of the information defined below it is cleared and must be reselected. Selection of this box is mandatory.</p>
Transaction Set	<p>Specifies the message to be used in this relationship.</p> <p>Note Only messages for the selected version (for which you have existing translation objects) are displayed. If this box is changed for an existing relationship, all of the information defined below it is cleared and must be reselected. Selection of this box is mandatory.</p>
Release	<p>Specifies the release number to be used in this relationship.</p> <p>Note Only releases for the selected message for which you have existing translation objects are displayed. This box is currently only used for messages defined in the TRADACOMS standard. Selection of this box is mandatory for all TRADACOMS messages.</p>
Transaction is an acknowledgement	<p>Specifies that the transaction defined in this partner relationship is an acknowledgement.</p>
Groups	<p>Accesses the Inbound Group Select Dialog Box.</p>

(Contd) Part	Function
Interchanges	Accesses the Inbound Interchange Select Dialog Box.
Save	Saves the modified information.
Exit	Exits the Inbound Relationship dialog box.
New	Accesses the New Inbound Relationship dialog box, which allows you to create a new relationship.
Delete	Removes the specified inbound relationship from the system.
Translation	Accesses the Inbound Translation Object Dialog Box.
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.
Sequence Checking	<p>Specifies whether the system will use sequence checking and whether that sequence checking is incremental or chronological. You can also indicate that the system must check for duplicate control numbers.</p> <ul style="list-style-type: none"> ✦ None sequence checking will not be used ✦ Duplicate check for duplicate control numbers <p>Note Duplicate documents are not processed but outbound receipts are still generated and sent.</p> <ul style="list-style-type: none"> ✦ Incremental the control number must be one greater than the last number ✦ Chronological the control number must be greater than the last number
Last Used Control Number	<p>Specifies a value that is used to sequence check the next transaction set control number or message reference. This value is replaced with the sequence number of the last message received. This box is initially set to zero.</p> <p>Note This box is inactive if Sequence Checking is NONE.</p>
Duplicate Documents	Indicates whether the system will check for duplicate message names.
Skip Compliance Check	Indicates whether you want the system to compliance check the messages for this relationship.

(Contd) Part	Function
Generate Acknowledgements	<p>Instructs the system to generate a functional acknowledgement to this trading partner when you receive the message defined in this relationship. The default value for this box is No (do not generate an acknowledgement).</p> <ul style="list-style-type: none"> • No do not generate acknowledgements • Yes - No Error Detail generate acknowledgements without error detail • Yes - With Error Detail generate acknowledgements with error detail <p>Note This entire box is inactive if the message in this relationship is an acknowledgement.</p>
Test Indicator	Specifies whether you want the system to treat the messages that you receive from this trading partner as test or production.
Acknowledgement Processing	Indicates whether acknowledgement reconciliation will occur during the inbound break session (Immediate) or during its scheduled interval (Deferred). The default is Deferred .

Inbound Translation Object Dialog Box

Introduction

The Inbound Translation Objects dialog box is used to specify which translation objects are used to process the data defined by this relationship.

This table lists the inbound translation levels (hierarchically, from the lowest level up).

Part	Function
Document	Validate the message against the specified translation object to verify if the message is compliant with the standard, and translate from the message format to print or application format.
Transaction	Remove the enveloping around a single message.
Group	Remove the enveloping around a set of related messages (the messages do not have to be the same type).
Interchange	Remove the enveloping around groups that are destined for the same trading partner.

Diagram This diagram illustrates the Inbound Translation Object dialog box with the Advanced options appended.

Inbound Translation Objects - PETZONE

Select Translation Objects

Turn Around Auto

Export File Auto

Print

Export File Name

Export to Mailbox

Export to Mailbox

Use Partner Default Mailbox and E-mail Address

Recipient Mailbox

Recipient E-mail Address

Content Type/SubType

Application ID:

Application Alias Value:

Additional Translation Objects

Import

Data Entry

Transaction

Acknowledge

Parts and functions

This table lists the parts of the Inbound Translation Object dialog box and their functions.

Part	Function
Turn Around/ Auto	<p>Displays all of the turnaround message options. When a message is received, the turnaround message created is the natural response message that contains as many elements from the received message as possible.</p> <p>Note Click the Auto check box if you want the defined turnaround process to be automatic. If the Auto box is deselected, the received message will remain in the In Documents until it is selected for processing.</p>
Export File/ Auto	<p>Displays all registered Export translation objects relative to the Standard, Version, Transaction Set and Release defined by this relationship. This allows you to specify that when a message is received, it is exported into an output file.</p> <p>Notes</p> <ul style="list-style-type: none"> ✦ Click the Auto check box if you want the export file created automatically upon receipt of the message. If the Auto box is deselected, the received message will remain in the In Documents until it is selected for processing. ✦ If the Export File Name is defined for this relationship, each document can be exported individually to a unique file. If you use formatting characters in the file name, the document key changes for each document that is exported, the Process ID stays the same (for all documents exported from the same interchange), and the unique ID changes. Therefore, using the “document key” and “unique ID” special characters (defined below), a unique file name can be derived. <p>Reference See <i>Export File Name</i> on page 2 - 16 for more information on these values.</p>
Print	<p>Displays all of the print translation objects registered with the system for the Standard, Version, Transaction Set, and Release defined by the relationship. The selected translation object is used to print messages received from this partner.</p>

(Contd) Part	Function
Export File Name	<p>Specifies the name of the file to be created or appended to as a result of performing an export operation. This file name can contain a mix of regular characters and formatting characters that are replaced by the translator with the runtime value they represent.</p> <p>Formatting characters supported</p> <ul style="list-style-type: none"> %y (two-digit year) %Y (four-digit year) %m (abbreviated month name) %M (month as a decimal number) %d (abbreviated weekday name) %D (day of the month as a decimal number) %H (hour in 24-hour format) %N (minutes) %S (seconds) %K (message key) %P (process identifier) %U (unique number derived using the current time, export filename, process identifier, and the rand() function) <p>Note</p> <p>The runtime file name is generated once per export.</p> <p>Example</p> <p>This is an example of a runtime file name using formatting characters:</p> <pre>d:\GENSRVNT\exports\dockey%Kprocid%Puniqueid%U.dat</pre>
Save	Saves the modified information.
Exit	Exits the Inbound Translation Object dialog box.
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.

(Contd) Part	Function
Export to Mailbox	<p>Checking this box invokes the “Export to Mailbox” function, which allows the output of an inbound translation to be delivered back to the Mailbox Server Manager. This allows the Mailbox Server Manager to act as a message broker to be responsible for delivering the data to its final destination.</p> <p>Note</p> <p>If you specified the Export File Name, it is still valid and will become the Attachment Filename. Formatting characters are still valid for the filename and could cause multiple attachments to be created if document key is used. For example, if the following filename is used “d:\gensrvnt\exports\dockey%Kprocid%Puniqueid%U.dat,” this causes a new attachment to be created for each document since the document key creates a unique name for each document processed.</p>
Use Partner Default Mailbox and E-Mail Address	<p>Checking this box specifies that the output of the inbound translation is exported to the default mailbox and E-mail address configured for this partner.</p>
Recipient Mailbox	<p>Contains a list of mailboxes so you can select the mailbox to which the output of an inbound translation will be delivered.</p>
New Mailbox	<p>Displays the Create New Mailbox wizard, which allows you to create a new mailbox.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Recipient E-mail Address	<p>Contains the E-mail address to which the output of an inbound translation will be delivered.</p>
Edit Mailbox	<p>Displays the Create New Mailbox wizard, which allows you to edit the mailbox.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Content Type/ SubType	<p>Contains the content type/sub type of the message containing the output of the inbound translation.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Application ID	<p>Specifies the application identifier that indicates the destination of the messages.</p>

(Contd) Part	Function
Application Alias Value	<p>Defines criteria for this relationship definition that is used instead of another relationship definition, during the application import function.</p> <p>Note This box will only be used if you receive translation objects that are defined to use the Application Alias Value.</p>
Import	<p>Contains other translation objects associated with the relationship, giving you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>Note You will select a translation object from the Import list if you have created a specific import translation object for this relationship and if you want to change the way the system behaves for this partner relationship. Import translation objects may not be appropriate for an Inbound Relationship.</p>
Data Entry	<p>Contains other translation objects associated with the relationship, giving you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>Note You will select a translation object from the Data Entry list if you have created a specific data entry translation object for this relationship and if you want to change the way the system behaves for this partner relationship (i.e., if you want to change the formatted view of Inbound data).</p>
Transaction	<p>Contains other translation objects associated with the relationship, giving you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>Note You will select a translation object from the Transaction list if you have created a specific Transaction Break translation object for this relationship and if you want to change the way the system behaves for this partner relationship.</p>

(Contd) Part	Function
Acknowledge	<p>Contains other translation objects associated with the relationship, giving you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>Note You will select a translation object from the Acknowledge list if you have created a specific translation object for this relationship and if you want to change the way the system behaves for this partner relationship.</p> <p>When the system reconciles an acknowledgement, it maps the acknowledgement to an internal file and then processes it. If you need the system to process acknowledgements differently, you should select an additional translation object from the Acknowledge list.</p> <p>If the message is an acknowledgement and you choose an Acknowledge additional translation object, the system will use the additional translation object in place of the export translation object for acknowledgement reconciliation.</p>

Inbound Group Select Dialog Box

Introduction

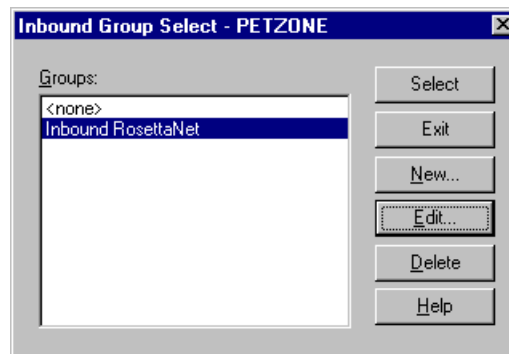
The Inbound Group Select dialog box is used to select an existing functional group definition to be associated with this relationship. It can also be used to initiate the definition of a new functional group or to modify or delete an existing definition. The groups available to you are determined by the version you selected on the Inbound Relationship dialog.

Note

Functional groups are required for ANSI X12, TDCC, and UCS standards, optional for RosettaNet, EDIFACT and ODETTE, and not specified for TRADACOMS.

Diagram

This diagram illustrates the Inbound Group Select dialog box.



Parts and functions

This table lists the parts of the Inbound Group Select dialog box and their functions.

Part	Function
Groups	Displays all of the functional group definitions that are established for this trading partner.
Select	Selects the functional group to use with this relationship. Note Select <none> if the standard you are using does not require groups and you do not want to use one.
Exit	Exits the Inbound Group Select dialog box.
New	Displays the Inbound Group Entry Dialog Box, which allows you to create a new group.
Edit	Displays the Inbound Group Entry Dialog Box, which allows you to edit the selected group.
Delete	Removes the selected group from the system.
Help	Displays context-sensitive help information.

Inbound Group Entry Dialog Box

Introduction The Inbound Group Entry dialog box is used to specify a functional group definition.

Diagram This diagram illustrates the Inbound Group Entry dialog box with the Advanced options appended.

Parts and functions This table lists the parts of the Inbound Group Entry dialog box and their functions.

Part	Function
Description	Contains the name of the functional group description.
Standard	Displays the standard the system is using for this relationship definition.
Version	Displays the version of the standard the system is using for this relationship.
Functional Group ID	Defines the identification of the functional group specified. These identification boxes are defined by the appropriate standard group to categorize messages. The standard defines which functional group ID should be used with each message type. This is a mandatory box. Example 3A4
Save	Saves the modified information.

(Contd) Part	Function
Exit	Exits the Inbound Group Entry dialog box.
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.
Sequence Checking	<p>Specifies whether inbound sequence checking is used and whether the type of sequence checking is incremental or chronological. You can also indicate that the system must check for duplicate control numbers.</p> <p>None sequence checking will not be used</p> <p>Duplicate check for duplicate control numbers</p> <p>Incremental the control number must be one greater than the last number</p> <p>Chronological the control number must be greater than the last number</p> <p>Note If the system detects duplicate control numbers or detects incremental or chronological control numbers that are out of sequence, those messages are stored in the ?In Documents.</p>
Last Used Group Control Number	Specifies a value that the system will use to sequence check the group control number. The number is replaced by the group control number that the system receives. This value is initially set to zero.
Acknowledge Group	<p>Instructs the system to send a functional acknowledgement to this trading partner when you receive the group defined in this relationship. The default value for this box is deselected (do not expect an acknowledgement).</p> <p>Note This check box is inactive if the message is an acknowledgement.</p>
Ack Translation Set ID	<p>Contains the acknowledgement that you want generated for this group.</p> <p>Example Receipt</p>

(Contd) Part	Function
Group Transl. Obj.	<p>Allows you to select a partner-specific Group Break Map translation object if this trading partner group deviates from the normal system behavior. You will select a translation object from this list if you want the system to perform partner-specific grouping.</p> <p>Warning We strongly recommend that you do not change the translation objects in the Group Transl. Obj. and Acknowledge Transl. Obj. lists, unless you have a specific reason for doing so.</p>
Acknowledge Transl. Obj.	<p>Contains an acknowledgement break map if one exists on the system.</p> <p>Note You will select a translation object from the Acknowledge Transl. Obj. list if you have created a specific translation object for this relationship and if you want to change the way the system behaves for this partner group. When the system reconciles an acknowledgement, it maps the acknowledgement to an internal file and then processes it. If you need the system to process acknowledgements differently, you should select an additional translation object from the Acknowledge list.</p> <p>Warning We strongly recommend that you do not change the translation objects in the Group Transl. Obj. and Acknowledge Transl. lists, unless you have a specific reason for doing so.</p>

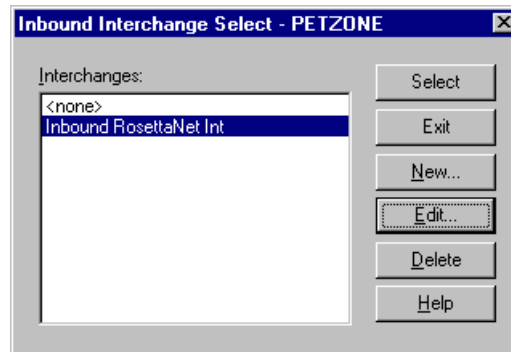
Inbound Interchange Select Dialog Box

Introduction

The Inbound Interchange Select dialog box is used to select an existing interchange definition to be associated with this relationship. You can also use it to initiate the definition of a new interchange or to modify or delete an existing definition. The interchanges available to you are determined by the version you selected on the Inbound Relationships dialog. Interchanges are required for EDIFACT, ODETTE, TRADACOMS, and UCS, and optional for RosettaNet, ANSI X12 and TDCC.

Diagram

This diagram illustrates the Inbound Interchange Select dialog box.



Parts and functions

This table lists the parts of the Inbound Interchange Select dialog box and their functions.

Part	Function
Interchanges	Displays all of the Interchange definitions that have been established for this trading partner.
Select	Selects the indicated interchange to be used with this relationship. Note Select <none> if the standard you are using does not require interchanges and you do not want to use one.
Exit	Exits the Inbound Interchange Select dialog box.
New	Displays the Inbound Interchange Entry Dialog Box, which allows you to create a new interchange.
Edit	Displays the Inbound Interchange Entry Dialog Box, which allows you to edit the selected interchange.
Delete	Removes the selected interchange from the system.
Help	Displays context-sensitive help information.

Inbound Interchange Entry Dialog Box

Introduction The Inbound Interchange Entry dialog box is used to specify a new interchange definition.

Diagram This diagram illustrates the Inbound Interchange Entry dialog box with the Advanced options appended.

Parts and functions

This table lists the parts of the Inbound Interchange Entry dialog box and their functions.

Part	Function
Description	Contains the name of the interchange description.
Standard	Displays the standard the system is using for this relationship definition.
Version	Displays the version of the standard the system is using for this relationship.
Interchange ID	Defines the type of interchange you specified. The standard defines which interchange ID should be used with each standard. This is a mandatory box. Example ROSETTANET
Save	Saves the modified information.
Exit	Exits the Inbound Interchange Entry dialog box.

(Contd) Part	Function
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.
Sequence Checking	<p>Specifies whether or not the system will use sequence checking and whether the sequence checking is incremental or chronological. You can also indicate that the system must check for duplicate control numbers.</p> <p>None sequence checking will not be used Duplicate check for duplicate control numbers Incremental the control number must be one greater than the last number Chronological the control number must be greater than the last number</p> <p>Note If the system detects duplicate control numbers or detects incremental or chronological control numbers that are out of sequence, those messages are stored in the ?In Documents.</p>
Last Used Control Number	<p>Specifies a value that is used to sequence check the next interchange control number. The number is replaced by the control number on the last interchange received. This box is initially set to zero.</p> <p>Note This box is inactive if Sequence Checking is NONE.</p>
Acknowledge Interchange	<p>Instructs the system to send a functional acknowledgement to this trading partner when you receive the interchange set defined in this relationship. The default value for this box is deselected (do not expect an acknowledgement).</p>
Ack Translation Set ID	<p>Specifies the acknowledgement that you want the system to generate for this interchange.</p> <p>Example ROSETTANET</p>
Interchange Transl. Obj.	<p>Specifies a partner-specific Interchange Break Map translation object if this trading partner interchange deviates from the normal system behavior. You will select a translation object from this list if you want the system to perform partner-specific interchanging.</p> <p>Warning We strongly recommend that you do not change the translation objects in the Interchange Transl. Obj. and Acknowledge Transl. Obj. lists, unless you have a specific reason for doing so.</p>

(Contd) Part	Function
Acknowledge Transl. Obj.	<p>Contains an acknowledgement break map if one exists on the system.</p> <p>You select a translation object from the Acknowledge Transl. Obj. list if you have created a specific translation object for this relationship and if you want to change the way the system behaves for this partner interchange. When the system reconciles an acknowledgement, it maps the acknowledgement to an internal file and then processes it. If you need the system to process acknowledgements differently, you should select an additional translation object from the Acknowledge list.</p> <p>Warning We strongly recommend that you do not change the translation objects in the Interchange Transl. Obj. and Acknowledge Transl. Obj. lists, unless you have a specific reason for doing so.</p>

Outbound Relationship Dialog Box

Introduction

Outbound relationships define the parameters needed to send a message to a trading partner. The Outbound Relationship dialog box controls other subordinate dialogs which allow you to define everything that is necessary to establish the relationship.

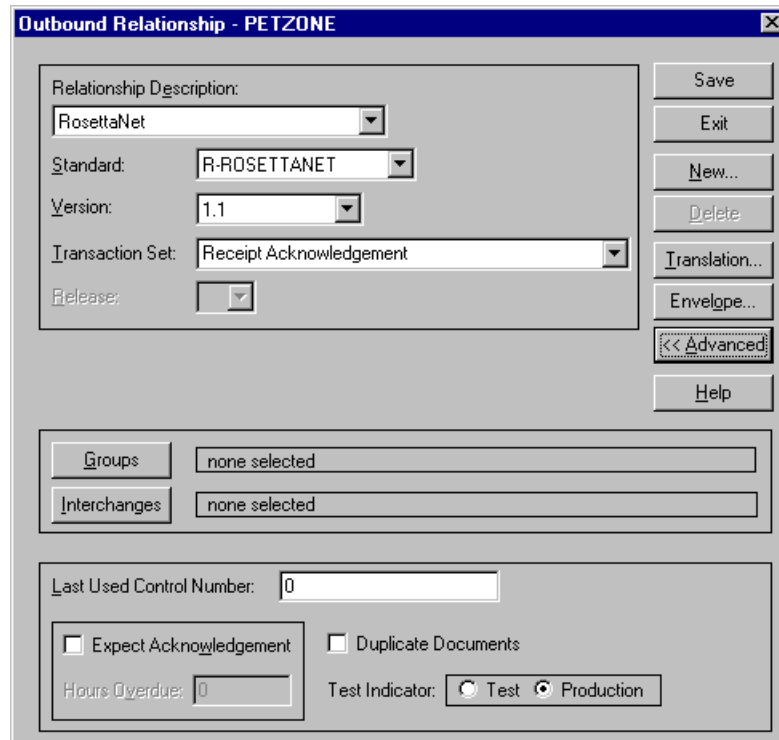
You are required to specify exactly which message the system sends. You must also specify which translation objects are used to define the data entry formatting, import rules, or printing requirements. In addition, for RosettaNet you need to define the specific PIP Initiation requirements that you agreed on with your trading partner.

Note

The PIP Initiation requirements vary depending on which version of RosettaNet you are using (i.e., 1.1 or 2.0).

Diagram

This diagram illustrates the Outbound Relationship dialog box with the Advanced options appended.



Outbound Relationship - PETZONE

Relationship Description: RosettaNet

Standard: R-ROSETTANET

Version: 1.1

Transaction Set: Receipt Acknowledgement

Release: [v]

Save

Exit

New...

Delete

Translation...

Envelope...

<< Advanced

Help

Groups: none selected

Interchanges: none selected

Last Used Control Number: 0

Expect Acknowledgement

Duplicate Documents

Hours Overdue: 0

Test Indicator: Test Production

Parts and functions

This table lists the parts of the Outbound Relationship dialog box and their functions.

Part	Function
Relationship Description	Indicates the relationship description.
Standard	<p>Specifies the standard to be used in this relationship.</p> <p>Note Only standards for which you have existing translation objects are displayed. This box cannot be changed for an existing relationship. Selection of this box is mandatory.</p> <p>Valid values</p> <ul style="list-style-type: none"> ✦ A - TRADACOMS ✦ C - CII ✦ D - NCPDP ✦ E - EDIFACT ✦ O - ODETTE ✦ P - OTHER ✦ R - ROSETTANET ✦ T - TDCC ✦ U - UCS ✦ V - VDA
Version	<p>Specifies the standard version to be used in this relationship.</p> <p>Note Only versions of the selected standard for which you have existing translation objects are displayed. If this box is changed for an existing relationship, all of the information defined below it is cleared and must be reselected. Selection of this box is mandatory.</p>
Transaction Set	<p>Specifies the message to be used in this relationship.</p> <p>Note Only transaction sets for the selected version (for which you have existing translation objects) are displayed. If this box is changed for an existing relationship, all of the information defined below it is cleared and must be reselected. Selection of this box is mandatory.</p>
Release	<p>Specifies the release number to be used in this relationship.</p> <p>Note Only releases for the selected message for which you have existing translation objects are displayed. This box is currently only used for messages defined in the TRADACOMS standard. Selection of this box is mandatory for all TRADACOMS messages.</p>

(Contd) Part	Function
Groups	Accesses the Outbound Group Select Dialog Box.
Interchanges	Accesses the Outbound Interchange Select Dialog Box.
Save	Saves the modified information.
Exit	Exits the Outbound Relationship dialog box.
New	Accesses the New Outbound Relationship dialog box, which allows you to create a new relationship.
Delete	Removes the specified outbound relationship from the system.
Translation	Accesses the Outbound Translation Object Dialog Box.
Envelope	<p>Accesses one of the Outbound Envelope dialog boxes below, depending on which version you specified.</p> <ul style="list-style-type: none"> ✦ Outbound UNH Envelope ✦ Outbound MHD Envelope ✦ Outbound ST Envelope ✦ Outbound Generic Envelope <p>Reference Refer to the Partner Editor online help for specific information about the relationship-level envelope dialog boxes.</p>
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.
Last Used Control Number	Specifies a value that is used to generate the next transaction set control number or message reference. The number that is generated will always be one more than the number in this box. Initially, this box is set to zero.
Expect Acknowledgement	Instructs the system to expect a functional acknowledgement to be received from this trading partner as a result of your partner receiving the message defined in this relationship. The default value for this box is deselected (do not expect an acknowledgement).

(Contd) Part	Function
Hours Overdue	<p>Defines how many hours must elapse before an expected functional acknowledgement is considered overdue. This box is only valid if the Expect Acknowledgement box is selected. The default value for this box is “48,” indicating that the acknowledgement is considered overdue in two days. If you enter a value of zero in this box, the acknowledgement is immediately considered overdue.</p> <p>Note This box is inactive if Expect Acknowledgement is deselected.</p>
Duplicate Documents	<p>Instructs the system to check for duplicate message names.</p> <p>Note This function checks for duplicate messages when messages are imported manually into the Workspace. Duplicate messages remain in the Workspace until they are deleted. If you try to move or post a duplicate message, a warning message is displayed.</p>
Test Indicator	<p>Defines whether this relationship definition is in test or production status. The default value is production.</p>

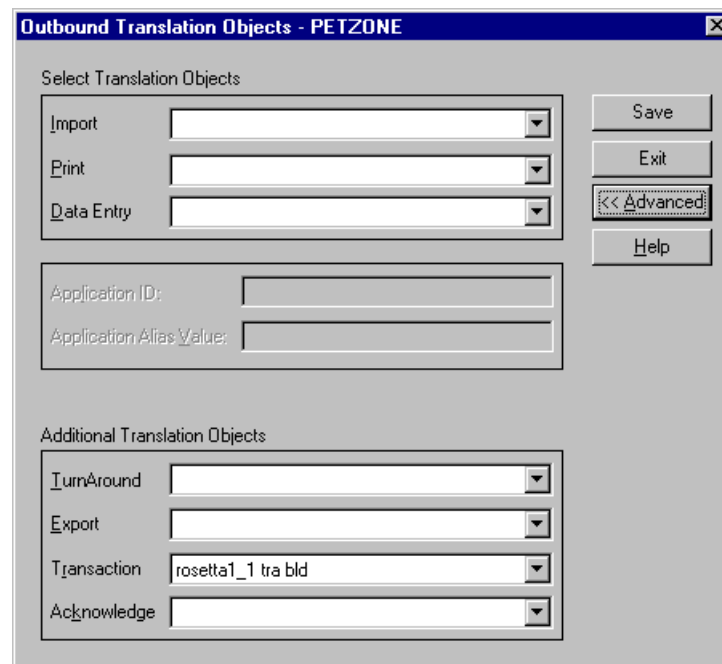
Outbound Translation Object Dialog Box

Introduction The Outbound Translation Objects dialog box is used to specify which translation objects are used to process the data defined by this relationship.

This table lists the outbound translation levels (hierarchically, starting with the lowest level).

Part	Function
Document	Translate from import format or data entry to EDI.
Transaction	Build the enveloping around a single message.
Group	Build the enveloping around a set of related messages (the messages do not have to be the same type).
Interchange	Build the enveloping around groups that are destined for the same trading partner.

Diagram This diagram illustrates the Outbound Translation Object dialog box with the Advanced options appended.



Parts and functions

This table lists the parts of the Outbound Translation Object dialog box and their functions.

Part	Function
Import	Displays all of the import translation objects that are in the system for the Standard, Version, Transaction Set, and Release defined by the relationship.
Print	Displays all of the print translation objects that are in the system for the Standard, Version, Transaction Set, and Release defined by the relationship. The selected translation object is used to print messages sent to this partner.
Data Entry	Displays all of the screen entry translation objects that are in the system for the Standard, Version, Transaction Set, and Release defined by the relationship.
Save	Saves the modified information.
Exit	Exits the Outbound Translation Object dialog box.
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.
Application ID	Defines the application identifier that indicates the destination of the messages.
Application Alias Value	<p>Defines criteria for this relationship definition, which is used instead of another relationship definition, during the application import function.</p> <p>Note This box will only be used if you receive translation objects that are defined to use the Application Alias Value.</p>
TurnAround	<p>Contains other translation objects associated with the relationship, which gives you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>You select a translation object from the TurnAround list if you have created a specific turn around translation object for this relationship and if you want to change the way the system behaves for this partner relationship.</p> <p>Note TurnAround translation objects may not be appropriate for an Outbound Relationship.</p>

(Contd) Part	Function
Export	<p>Contains other translation objects associated with the relationship, which gives you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>You select a translation object from the Export list if you have created a specific export translation object for this relationship and if you want to change the way the system behaves for this partner relationship. Export translation objects are used to export an outbound message to a file.</p>
Transaction	<p>Contains other translation objects associated with the relationship, which gives you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>You select a translation object from the Transaction list if you have created a specific Transaction Build translation object for this relationship and if you want to change the way the system behaves for this partner relationship.</p>
Acknowledge	<p>Contains other translation objects associated with the relationship, which gives you the capability to change the system behavior at the message translation level. This allows you to use translation objects that are as partner-specific as required and/or perform as many functions as required.</p> <p>You select a translation object from the Acknowledge list if you have created a specific translation object for this relationship and if you want to change the way the system behaves for this partner relationship. When the system generates an acknowledgement, it writes the acknowledgement to an internal file containing the acknowledgement details and then maps that internal file. If you need the system to process acknowledgements differently, you should select an additional translation object from the Acknowledge list.</p>

Outbound Group Select Dialog Box

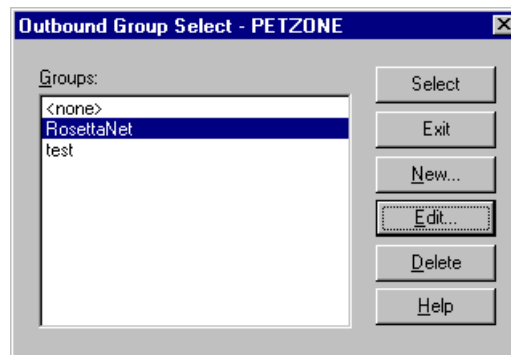
Introduction

The Outbound Group Select dialog box is used to select an existing functional group definition to be associated with this relationship. You can also use it to initiate the definition of a new functional group or to modify or delete an existing definition. The groups that are available to you is determined by the version you selected on the Outbound Relationship dialog box.

Functional groups are required for ANSI X12, TDCC, and UCS standards, are optional for EDIFACT and ODETTE, and are not specified for RosettaNet and TRADACOMS.

Diagram

This diagram illustrates the Outbound Group Select dialog box.



Parts and functions

This table lists the parts of the Outbound Group Select dialog box and their functions.

Part	Function
Groups	Displays all of the functional group definitions that have been established for this trading partner.
Select	Selects the indicated functional group as the one the system uses for this relationship.
Exit	Exits the Outbound Group Select dialog box.
New	Displays the Outbound Group Entry Dialog Box, which allows you to create a new group.
Edit	Displays the Outbound Group Entry Dialog Box, which allows you to edit the selected group.
Delete	Removes the selected group from the system.
Help	Displays context-sensitive help information.

Outbound Group Entry Dialog Box

Introduction The Outbound Group Entry dialog box is used to specify a new functional group definition.

Diagram This diagram illustrates the Outbound Group Entry dialog box with the Advanced options appended.

Parts and functions This table lists the parts of the Outbound Group Entry dialog box and their functions.

Part	Function
Description	Contains the name of the functional group description.
Standard	Displays the standard the system is using for this relationship definition.
Version	Displays the version of the standard the system is using for this relationship.

(Contd) Part	Function
Functional Group ID	<p>Defines the identification of the functional group being specified. These identification boxes are defined by each appropriate standards group to group like messages. The standard defines which functional group ID should be used with each message type. This is a mandatory box.</p> <p>Example 3A4</p>
Save	Saves the modified information.
Exit	Exits the Outbound Group Entry dialog box.
Envelope	<p>Accesses one of the Outbound Functional Group Envelope dialog boxes below, depending on which version you specified on the Outbound Relationship Dialog Box.</p> <ul style="list-style-type: none"> ✦ Outbound GS Functional Group ✦ Outbound UNG Functional Group ✦ Outbound BAT Functional Group <p>Note This button is inactive for RosettaNet partner relationships.</p> <p>Reference Refer to the Partner Editor online help for specific information about the envelope dialog boxes.</p>
Advanced	Toggles the display of the advanced options.
Help	Displays context-sensitive help information.
Last Used Group Control Number	<p>Specifies a value that is used to generate the next interchange control number. The number that is generated will always be one more than the number in this box. This box will initially be set to zero.</p> <p>Note To ensure that functional acknowledgements work correctly you must define a unique control number for each group relationship that exists for the same partner relationship.</p>
Expect Acknowledgement	<p>Instructs the system to expect a functional acknowledgement to be received from this trading partner as a result of your partner receiving the group defined in this relationship. The default value for this box is deselected (do not expect an acknowledgement).</p>

(Contd) Part	Function
Hours Overdue	<p>Defines how many hours must elapse before an expected functional acknowledgement is considered overdue. This box is only valid if the Expect Acknowledgement box is selected. The default value for this box is “48,” indicating that the acknowledgement is considered overdue in two days. If you enter a value of “0” (zero) in this box, the acknowledgement is immediately considered overdue.</p> <p>Note This box is inactive if Expect Acknowledgement is deselected.</p>
Sequence From Group	<p>Indicates whether the transaction set control number options for this group setup should be controlled at the group level. If this box is deselected, then the following boxes are inactive .</p>
Last Used Control Number	<p>Specifies a value that is used to generate the next transaction set control number for the sets defined within this functional group. The number that is generated will always be one more than the number in this box. This box will initially be set to zero.</p> <p>Note This box is inactive if Sequence From Group is deselected.</p>
Format	<p>Specifies the format of the transaction set control number that is generated.</p> <p>Normal The number is generated by incrementing the last used control number. The length of the number is defined by the standard.</p> <p>6/3 The number is a composite of two numbers. The first six digits are the last six digits of the functional group control number. The last three digits are a counter beginning at “1” within the functional group. Use this format only as instructed by your trading partner.</p> <p>5/4 The number is a composite of two numbers. The first five digits are the last five digits of the functional group control number. The last four digits are a counter beginning at “1” within the functional group. This is the normal TDCC numbering convention. It is used by the Motor, Rail, and Ocean transportation industries.</p>

(Contd) Part	Function
Format (contd)	<p>5/3 The number is a composite of two numbers. The first five digits are the last five digits of the functional group control number. The last three digits are a counter beginning at “1” within the functional group. This is the normal UCS convention, which is used by the Grocery and Warehousing industries.</p> <p>Note This box is inactive if Sequence From Group is deselected.</p>
Group Transl. Obj.	<p>Contains a partner-specific Group Build Map translation object if this trading partner group deviates from the normal system behavior. You will select a translation object from this list if you want the system to perform partner-specific grouping.</p> <p>Warning We strongly recommend that you do not change the translation objects in the Group Transl. Obj. and Acknowledge Transl. Obj. lists, unless you have a specific reason for doing so.</p>
Acknowledge Transl. Obj.	<p>Contains an acknowledgement build map if one exists on the system.</p> <p>You select a translation object from the Acknowledge Transl. Obj. list if you have created a specific translation object for this relationship and if you want to change the way the system behaves for this partner group. When the system reconciles an acknowledgement, it maps the acknowledgement to an internal file and then processes it. If you need the system to process acknowledgements differently, you should select an additional translation object from the Acknowledge list.</p> <p>Warning We strongly recommend that you do not change the translation objects in the Group Transl. Obj. and Acknowledge Transl. Obj. lists, unless you have a specific reason for doing so.</p>

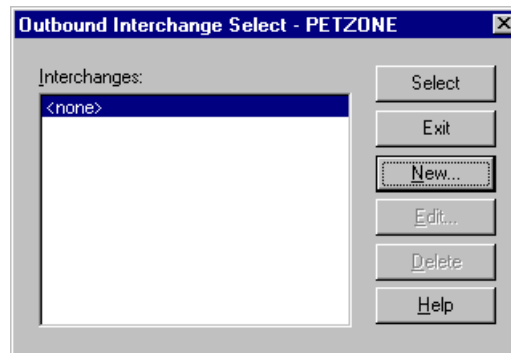
Outbound Interchange Select Dialog Box

Introduction

The Outbound Interchange Select dialog box is used to select an existing interchange definition to be associated with this relationship. It can also be used to initiate the definition of a new interchange, or to modify or delete an existing definition. The interchanges available to you are determined by the version you selected on the Outbound Relationship dialog box. Interchanges are required for RosettaNet, EDIFACT, ODETTE, TRADACOMS, and UCS, and are optional for ANSI X12 and TDCC.

Diagram

This diagram illustrates the Outbound Interchange Select dialog box.



Parts and functions

This table lists the parts of the Outbound Interchange Select dialog box and their functions.

Part	Function
Interchanges	Displays all of the interchange definitions that have been established for this trading partner.
Select	Selects the indicated interchange to be used with this relationship. Note Select <none> if the standard you are using does not require interchanges and you do not want to use one.
Exit	Exits the Inbound Interchange Select dialog box.
New	Displays the Outbound Interchange Entry Dialog Box, which allows you to create a new interchange.
Edit	Displays the Outbound Interchange Entry Dialog Box, which allows you to edit the selected interchange.
Delete	Removes the selected interchange from the system.
Help	Displays context-sensitive help information.

Outbound Interchange Entry Dialog Box

Introduction The Outbound Interchange Entry dialog box is used to specify a new interchange definition.

Diagram This diagram illustrates the Outbound Interchange Entry dialog box with the Advanced options appended.

The screenshot shows the 'Outbound Interchange Entry - PETZONE' dialog box. It features several sections:

- Basic Information:** Description (RosettaNet Interchange), Standard (R-ROSETTANET), Version (1.1), and Interchange ID (ROSETTANET).
- Mailbox and Email:** A checked checkbox 'Use the default Mailbox and E-mail Address', Mailbox (GENTRAN Application), and E-mail Address.
- Content Type:** Content Type (Application/EDI).
- Advanced Options:** A checked checkbox 'Set Max. Number of Documents per Interchange' with a value of 1.
- Control and Acknowledgement:** Last Used Control Number (0), Expect Acknowledgement (unchecked), and Hours Overdue (0).
- Translation Objects:** Interchange Transl. Obj. (Rosetta1_1 int bld) and Acknowledge Transl. Obj.

Parts and functions This table lists the parts of the Outbound Interchange Entry dialog box and their functions.

Part	Function
Description	Contains the name of the interchange description.
Standard	Displays the standard the system is using for this relationship definition.
Version	Displays the version of the standard the system is using for this relationship.

(Contd) Part	Function
Interchange ID	<p>Defines the type of interchange you specified. The standard defines which interchange ID should be used with each standard. This is a mandatory box.</p> <p>Example ROSETTANET</p>
Save	Saves the modified information.
Exit	Exits the Outbound Interchange Entry dialog box.
Advanced	Toggles the display of the advanced options.
Envelope	<p>Accesses one of the Outbound Interchange Envelope dialog boxes below, depending on which version you specified on the Outbound Relationship Dialog Box.</p> <ul style="list-style-type: none"> ✦ Outbound ISA Envelope ✦ Outbound ICS Envelope ✦ Outbound BG Envelope ✦ Outbound UNB Envelope ✦ Outbound UNA Envelope ✦ Outbound STX Envelope ✦ Outbound VDA Envelope ✦ Outbound NCPDP Envelope ✦ Outbound Envelope PIP Initiation (RosettaNet only) <p>Reference Refer to <i>Outbound Envelope PIP Initiation Dialog Box</i> on page 2 - 45 for more information on that dialog box or refer to the Partner Editor online help for specific information about the envelope dialog boxes for non-RosettaNet standards.</p> <p>Note The PIP Initiation requirements vary depending on which version of RosettaNet you are using (i.e., 1.1 or 2.0).</p>
Help	Displays context-sensitive help information.
Use the default Mailbox and E-mail Address	Indicates that the system will use the default Mailbox and E-mail address specified on the Partner Definition (New/Edit) Dialog Box.
Mailbox	<p>Specifies a mailbox to use to identify this partner for RosettaNet relationships.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>

(Contd) Part	Function
E-mail Address	<p>Specifies an e-mail address to use to identify this partner for RosettaNet relationships.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
New Mailbox	<p>Displays the Create New Mailbox wizard, which allows you to create a new mailbox.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Edit Mailbox	<p>Displays the Mailbox Properties dialog box, which allows you to edit the mailbox.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
Content Type	Defines the content type of the interchange.
Set Max Number of Documents per Interchange	Instructs the system to only allow the specified maximum number of messages per interchange for this relationship.
Max Number of Documents per Interchange	<p>Specifies the maximum number of messages allowed per interchange for this relationship.</p> <p>Note This value is disabled for RosettaNet because only one PIP is allowed per interchange.</p>
Last Used Control Number	Specifies a value that is used to generate the next interchange control number. The number that is generated is always one more than the number in this box. Initially, this box is set to zero.
Expect Acknowledgement	Instructs the system to expect a functional acknowledgement to be received from this trading partner as a result of your partner receiving the interchange set defined in this relationship. The default value for this box is deselected (do not expect an acknowledgement).

(Contd) Part	Function
Hours Overdue	<p>Defines how many hours must elapse before an expected functional acknowledgement is considered overdue. This box is only valid if the Expect Acknowledgement box is selected. The default value for this box is “48,” indicating that the acknowledgement is considered overdue in two days. If you enter a value of zero in this box, the acknowledgement is immediately considered overdue.</p> <p>Note This box is inactive if Expect Acknowledgement is deselected.</p>
Interchange Transl. Obj.	<p>Allows you to select a partner-specific Interchange Build Map translation object if this trading partner interchange deviates from the normal system behavior. You will select a translation object from this list if you want the system to perform partner-specific interchanging.</p> <p>Warning We strongly recommend that you do not change the translation objects in this list, unless you have a specific reason for doing so.</p> <p>Notes</p> <ul style="list-style-type: none"> • If you are sending streamed interchanges, you should verify that the “RosettaNet1_1 int bld Streaming” build map is selected. • If you are sending interchanges that use carriage returns/line feeds, you should verify that the “RosettaNet 1_1 int bld New Line” build map is selected.
Acknowledge Transl. Obj.	<p>Contains an acknowledgement build map if one exists on the system.</p> <p>You select a translation object from the Acknowledge Transl. Obj. list if you have created a specific translation object for this relationship and if you want to change the way the system behaves for this partner interchange. When the system reconciles an acknowledgement, it maps the acknowledgement to an internal file and then processes it. If you need the system to process acknowledgements differently, you should select an additional translation object from the Acknowledge list.</p> <p>Warning We strongly recommend that you do not change the translation objects in this list, unless you have a specific reason for doing so.</p>

Outbound Envelope PIP Initiation Dialog Box

Introduction The Outbound Envelope PIP Initiation dialog box is used to specify enveloping options for a PIP.

Note

The PIP Initiation requirements vary depending on which version of RosettaNet you are using (i.e., 1.1 or 2.0).

RosettaNet version 1.1 diagram

This diagram illustrates the Outbound Envelope PIP Initiation dialog box (version 1.1).

Outbound Envelope: PIP Initiation - Rons

RosettaNet Version: 1.1 V02.00

Global Administering Authority Code:

Version ID: Global Usage Code: Test Production

Action Identity:

Transaction Version ID: Process Identity Version ID:

Global Indicator Code: Global Doc Function Code:

Sender: DUNS+4: Receiver: DUNS+4:

Sender: Global Partner Classification Code:

Receiver: Global Partner Classification Code:

Receiver: Global Business Service Code:

Time Allowance to Ack Acceptance:

Time Allowance to Ack Receipt:

Time Allowance to Perform:

Sender: Global Partner Role Classification Code:

Receiver: Global Partner Role Classification Code:

Global Transaction Code:

Global Process Code:

PIP Initiating Partner- Global Business Identifier:

Sender: Global Business Service Code:

RosettaNet version 1.1 parts and functions

This table lists the parts of the Outbound Envelope PIP Initiation dialog box (version 1.1 selected) and their functions.

Part	Function
RosettaNet Version	Indicates whether you are using RosettaNet version 1.1 or 2.0 with this partner. Note The fields on the Outbound PIP Initiation dialog box change depending on which version option you select.
version 1.1 fields only	
Global Administering Authority Code	Specifies the controlling agency (RosettaNet). Note This value is mandatory. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
Version ID	Specifies the RNIF version number. Note This value is mandatory.
Global Usage Code	Indicates whether the PIP is test or production. Note This value is mandatory. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
Transaction Version ID	Specifies the version of message guideline that is used. Note This value is mandatory.
Process Identity Version ID	Specifies the PIP version. Note This value is mandatory.

(Contd) Part	Function
Global Indicator Code	<p>Specifies the RosettaNet-defined process.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p> <p>Example Manage Purchase Order</p>
Global Doc Function Code	<p>Indicates whether the message is a “Request” or “Response.”</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Sender: DUNS+4	<p>Specifies the DUNS number of the partner sending the PIP.</p> <p>Note This value is mandatory.</p>
Receiver: DUNS+4	<p>Specifies the DUNS number of the partner receiving the PIP.</p> <p>Note This value is mandatory.</p>
Sender: Global Partner Classification Code	<p>Specifies the code used to describe the function of the partner sending the PIP.</p> <p>Note This value is mandatory.</p>
Receiver: Global Partner Classification Code	<p>Specifies the code used to describe the function of the partner receiving the PIP.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>

(Contd) Part	Function
Receiver: Global Business Service Code	<p>Specifies the service that the receiving partner is performing.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Time Allowance to Ack Acceptance	<p>Specifies the amount of time allowed to acknowledge receipt of acceptance, other than the designated default amount of time.</p> <p>Format Type time in minutes.</p>
Time Allowance to Ack Receipt	<p>Specifies the amount of time allowed to acknowledge receipt other than the designated default amount of time.</p> <p>Format Type time in minutes.</p>
Time Allowance to Perform	<p>Specifies the time allotted to perform other than the designated default time.</p> <p>Format Type time in minutes.</p>
Sender: Global Partner Role Classification Code	<p>Specifies a code used to describe the role of the partner sending the PIP.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Receiver: Global Partner Role Classification Code	<p>Specifies a code used to describe the role of the partner receiving the PIP.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>

(Contd) Part	Function
Global Transaction Code	<p>Describes the message.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Global Process Code	<p>Specifies the RosettaNet-defined code that describes the message type.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p> <p>Example 3A4</p>
PIP Initiating Partner: Global Business Identifier	<p>Specifies the DUNS number of the partner sending the PIP.</p> <p>Note This value is mandatory.</p>
Sender: Global Business Service Code	<p>Specifies a code used to describe the service the sending partner is performing.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Save	Saves the changes and exits the dialog box.
Exit	Exits the dialog box without saving changes.
Help	Accesses context-sensitive online help.

RosettaNet version 2.0 diagram

This diagram illustrates the Outbound Envelope PIP Initiation dialog box (version 2.0).

RosettaNet version 2.0 parts and functions

This table lists the parts of the Outbound Envelope PIP Initiation dialog box (version 2.0 selected) and their functions.

Part	Function
RosettaNet Version	Indicates whether you are using RosettaNet version 1.1 or 2.0 with this partner. Note The fields on the Outbound PIP Initiation dialog box change depending on which version option you select.
version 2.0 fields only	
Global Administering Authority Code	Specifies the controlling agency (RosettaNet). Note This value is mandatory. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
PIP Version	Specifies the version number of the PIP. Note This value is mandatory.

(Contd) Part	Function
Version ID	<p>Specifies the RNIF version number.</p> <p>Note This value is mandatory.</p>
Global Usage Code	<p>Indicates whether the PIP is test or production.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Sender: DUNS+4	<p>Specifies the DUNS number of the partner sending the PIP.</p> <p>Note This value is mandatory.</p>
Receiver: DUNS+4	<p>Specifies the DUNS number of the partner receiving the PIP.</p> <p>Note This value is mandatory.</p>
To Partner Global Partner Role Classification Code	<p>Specifies a code used to describe the role of the partner receiving the PIP.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
From Partner Global Partner Role Classification Code	<p>Specifies a code used to describe the role of the partner sending the PIP.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Business Activity Identifier	<p>Specifies an identifier for special validation and processing rules corresponding to the currently executing PIP and activity.</p> <p>Note This value is mandatory.</p>

(Contd) Part	Function
From Global Business Service Code	<p>Specifies a code used to describe the service the sending partner is performing.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
To Global Business Service Code	<p>Specifies the service that the receiving partner is performing.</p> <p>Note This value is mandatory.</p> <p>Reference The applicable RosettaNet codes are listed in the Service Header Guideline.</p>
Receiver Identification Domain	<p>Specifies the DUNS number.</p> <p>Note This value is mandatory.</p>
Receiver Location Identifier	<p>Specifies a logical business location associated with this trading partner.</p> <p>Note This value is mandatory.</p>
Sender Identification Domain	<p>Specifies the DUNS number.</p> <p>Note This value is mandatory.</p>
Sender Location Identifier	<p>Specifies your logical business location associated with this trading partner.</p> <p>Note This value is mandatory.</p>
Save	Saves the changes and exits the dialog box.
Exit	Exits the dialog box without saving changes.
Help	Accesses context-sensitive online help.

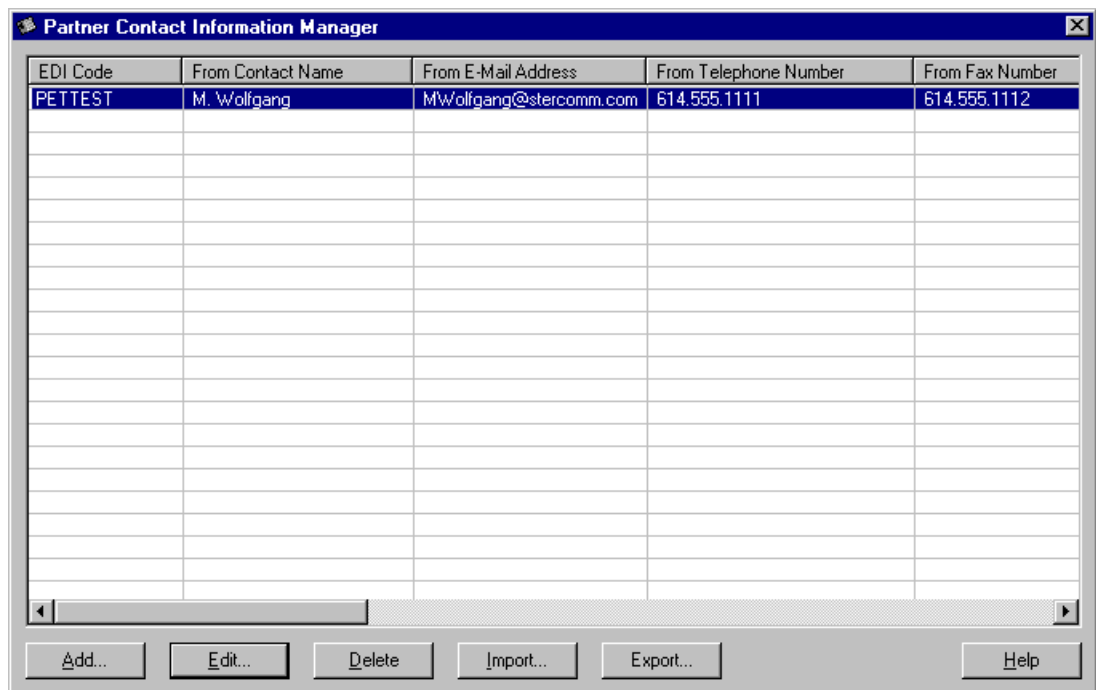
Partner Contact Information Manager Dialog Box

Introduction The Partner Contact Information Manager enables you to specify information about your enterprise and your partners' enterprises, to ensure that the system can accurately process RosettaNet signal and 0A1 messages.

Note

You must enter partner contact information before the system can process RosettaNet Receipt Acknowledgements and Exceptions.

Diagram This diagram illustrates the Partner Contact Information Manager dialog box.



Parts and functions

This table lists the parts of the Partner Contact Information Manager dialog box and their functions.

Part	Function
Select a Partner	Displays the list of partner profiles.
EDI Code	Displays the EDI Code for the selected partner.
From Contact Name	Displays the contact name for the selected partner.
From E-Mail Address	Displays the E-mail address for the selected partner.
From Telephone Number	Displays the telephone number for the selected partner.
From Fax Number	Displays the fax number for the selected partner.
From Global Supply Chain Code	Specifies the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
From Global Partner Classification Code	Specifies the classification code for the “from” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
To Contact Name	Specifies the name of the “to” contact.
To E-Mail Address	Specifies the E-Mail address of the “to” contact.
To Telephone Number	Specifies the telephone number of the “to” contact.
To Fax Number	Specifies the fax number of the “to” contact.
To Global Supply Chain Code	Specifies the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
To Global Partner Classification Code	Specifies the classification code for the “to” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.

(Contd) Part	Function
Add	Displays the Add Contact Dialog Box, which allows you to add a new partner contact.
Edit	Displays the Edit Contact Dialog Box, which allows you to add a new partner contact.
Delete	Removes the selected partner contact from the system.
Import	Displays the Filename for Partner Contact Information Import Dialog Box, which allows you to import a partner contact.
Export	Displays the Filename for Partner Contact Information Export Dialog Box, which allows you to export a partner contact.
Help	Accesses context-sensitive help information.

Add Contact Dialog Box

Introduction The Add Contact dialog box enables you to add a new partner contact into the Partner Contact Information Manager.

Diagram This diagram illustrates the Add Contact dialog box.

Parts and functions

This table lists the parts of the Add Contact dialog box and their functions.

Part	Function
EDI Code	Contains a list of the EDI Codes already entered into the Sterling Gentran:Server Partner Editor so you can specify which EDI code to use for this partner contact.
From Contact Name	Specifies the name of the “from” contact.
From E-Mail Address	Specifies the E-Mail address of the “from” contact.
From Telephone Number	Specifies the telephone number of the “from” contact.
From Fax Number	Specifies the fax number of the “from” contact.

(Contd) Part	Function
From Global Supply Chain Code	Specifies the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
From Global Partner Classification Code	Specifies the classification code for the “from” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
To Contact Name	Specifies the name of the “to” contact.
To E-Mail Address	Specifies the E-Mail address of the “to” contact.
To Telephone Number	Specifies the telephone number of the “to” contact.
To Fax Number	Specifies the fax number of the “to” contact.
To Global Supply Chain Code	Specifies the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
To Global Partner Classification Code	Specifies the classification code for the “to” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
OK	Save changes and exits the dialog box.
Cancel	Exits the dialog box without saving changes.
Help	Accesses context-sensitive help information.

Edit Contact Dialog Box

Introduction The Edit Contact dialog box enables you to edit the information for a partner contact.

Diagram This diagram illustrates the Edit Contact dialog box.

Parts and functions

This table lists the parts of the Edit Contact dialog box and their functions.

Part	Function
EDI Code	Contains the EDI code specified for this partner contact.
From Contact Name	Specifies the name of the “from” contact.
From E-Mail Address	Specifies the E-Mail address of the “from” contact.
From Telephone Number	Specifies the telephone number of the “from” contact.
From Fax Number	Specifies the fax number of the “from” contact.
From Global Supply Chain Code	Specifies the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.

(Contd) Part	Function
From Global Partner Classification Code	Specifies the classification code for the “from” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
To Contact Name	Specifies the name of the “to” contact.
To E-Mail Address	Specifies the E-Mail address of the “to” contact.
To Telephone Number	Specifies the telephone number of the “to” contact.
To Fax Number	Specifies the fax number of the “to” contact.
To Global Supply Chain Code	Specifies the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
To Global Partner Classification Code	Specifies the classification code for the “to” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
OK	Save changes and exits the dialog box.
Cancel	Exits the dialog box without saving changes.
Help	Accesses context-sensitive help information.

Filename for Partner Contact Information Import Dialog Box

Introduction The Filename for Partner Contact Information Import dialog box enables you to import a partner contact into the Partner Contact Information Manager.

Diagram This diagram illustrates the Filename for Partner Contact Information Import dialog box.



Parts and functions This table lists the parts of the Filename for Partner Contact Information Import dialog box and their functions.

Part	Function
Look in	Displays the current folder.
File name	Displays the name of the file to be imported.
Files of type	Displays the type of file. Note The default file extension for partners is .XML.
Open	Begins the import process for the selected partner contact file.
Cancel	Cancels the action and exits the dialog box.
Help	Displays context-sensitive help information.

Filename for Partner Contact Information Export Dialog Box

Introduction

The Filename for Partner Contact Information Export dialog box enables you to specify the name of a partner contact to be exported.

Diagram

This diagram illustrates the Partner Contact Information Export dialog box.



Parts and functions

This table lists the parts of the Partner Contact Information Export dialog box and their functions.

Part	Function
Save in	Displays the current folder.
File name	Displays the name of the file to be exported.
Files of type	Displays the type of file. Note The default file extension for partners is .XML.
Save	Begins the export process.
Cancel	Exits the dialog box without making a selection.
Help	Displays context-sensitive help information.

Procedures

How to Create a New RosettaNet Partner Definition

Introduction The partner definition contains the basic information about that partner that the system needs before you define the rest of the partner profile.

Prerequisite knowledge Before setting up a new partner definition, you must have the following information.

- The communication profile name you use to communicate with this partner
- The EDI code for this partner
- The application code used to identify this partner in the import file
This application code is needed only if the messages are processed using the file Import facility.

Procedure Use this procedure to create a new partner definition.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran Server. System Response The system displays the Sterling Gentran:Server Electronic Commerce Manager.
2	From the Sterling Gentran:Server Tools menu, select Partner Editor . System Response The system displays the Partner Editor Dialog Box.
3	Click New . System response The system displays the Partner Definition (New/Edit) Dialog Box.
4	In the Profile ID box, type a unique alphanumeric Profile ID for this partner. Note You may not use special characters.
5	In the Name box, type the partner name.
6	In the EDI Code box, type the EDI identifier for this partner. Note The system uses this identifier during inbound processing, to select the correct partner.

(Contd) Step	Action
7	If necessary, in the Application Code box, type an application code to identify this partner. Note The system uses this identifier during outbound import processing, to select the correct partner.
8	After you enter all the partner definition information, click Save .
9	Click Exit to return to the Partner Editor dialog box. Note To complete the partner profile you need to define an inbound and outbound relationship for this partner.

How to Create a New RosettaNet Inbound Relationship

Introduction

To correctly receive and process information from a trading partner, you must have an appropriate inbound relationship established that defines the parameters needed to receive data files from that partner. Each inbound relationship defines which business messages are received from a partner.

Necessary parameters

You must set up several parameters that are used to create an inbound relationship. These parameters tell the system the following information:

- ▶ The type of data that is received
- ▶ The criteria the system uses to validate the information it receives
- ▶ The functional groups and interchanges in which you expect to receive the messages
- ▶ Which receipt acknowledgement translation object should be used

Translation objects

Each inbound relationship must have one or more associated inbound translation objects. These translation objects determine how the received data is processed. You need to specify which translation objects are used to define the rules for exporting, printing, and creating turnaround messages. At a minimum, one translation object must be available.

Note

If this relationship requires a new translation object, you *must* register that translation object with the system before creating the inbound relationship. See *How to Register a New Translation Object in the IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for instructions on how to register translation objects.

Inbound groups and interchanges

For RosettaNet, you must define or select an inbound interchange and inbound functional group before the system allows you to complete the setup of an inbound relationship. The inbound functional group defines the format of the functional group and the parameters that should be used to verify it. The inbound interchange defines the format of the interchange and the parameters that should be used to verify it.

Note

If you do not want to use an optional functional group or interchange you must still select <none> from the appropriate dialog box to alert the system that you are not using a group.

Before you begin

Before setting up an inbound relationship, you must know the following information to plan the implementation of this partner:

- The EDI standard that you expect from this trading partner (e.g., ROSETTANET).
- The standard version that you expect from this trading partner (e.g., 1.1 or 2.0 for ROSETTANET).
- The code for the message you expect from this trading partner (e.g., Purchase Order Request).
- The type of functional group and interchange the message is wrapped in when it is received from this partner.

Inbound relationship dialog box

After you complete your implementation planning for this partner, you can set up the inbound relationship by using the Inbound Relationship dialog box. The Inbound Relationship dialog box controls other subordinate dialog boxes, where you define everything that is necessary to establish the relationship.

Process of defining an inbound relationship

The process you use when defining an inbound relationship is explained in the following table.

Stage	Description
1	Create a new inbound relationship.
2	Select at least one inbound translation object.
3	Create and select at least one inbound group to define how the message is received from this partner.
4	Create and select at least one inbound interchange to define how the message is received from this partner.
5	Set up the corresponding outbound relationship to generate the acknowledgements your partner requests.
	<p>Reference</p> <p>See <i>How to Create a New RosettaNet Outbound Relationship</i> on page 2 - 72 for information on how to establish an outbound relationship.</p>

Procedure Use this procedure to create an inbound relationship.

Step	Action
Creating a new inbound relationship	
1	<p>From the Start menu, select Programs\Gentran Server\Gentran Server.</p> <p>System Response The system displays the Sterling Gentran:Server Electronic Commerce Manager.</p>
2	<p>From the Sterling Gentran:Server Tools menu, select Partner Editor.</p> <p>System Response The system displays the Partner Editor Dialog Box.</p>
3	<ul style="list-style-type: none"> ✦ Select the partner profile for which you want to create an inbound relationship and ✦ click Inbound. <p>System response The system displays the Inbound Relationship Dialog Box.</p> <p>Note You must have already created a partner definition for this partner.</p> <p>Reference See <i>How to Create a New RosettaNet Partner Definition</i> on page 2 - 62 for more information.</p>
4	<p>Click New.</p> <p>System response The system displays the New Inbound Relationship dialog box.</p>
5	<p>In the description box, type a unique relationship name.</p>
6	<p>Click Save.</p> <p>System response The system creates a new inbound relationship and returns to the Inbound Relationship dialog box.</p>

(Contd) Step	Action
7	<p>From the appropriate drop-down lists on the Inbound Relationship dialog box, select the following:</p> <ul style="list-style-type: none"> ✦ Standard (R - ROSETTANET), ✦ Version, and ✦ Transaction Set. <p>Notes</p> <ul style="list-style-type: none"> ✦ The contents of these lists are displayed from the translation objects registered in Sterling Gentran:Server. For example, if there are no translation objects for the RosettaNet version you are using registered with Sterling Gentran, you will not be available to select that version on this dialog box. ✦ The information required for this dialog box should be provided to you by your trading partner when this partner defines the details of the transactions they send you.
8	<p>If you need to define parameters to comply with the processing needs of your partner (e.g., Sequence Checking, Last Used Control, Duplicate Documents, or Generate Acknowledgement), click Advanced.</p> <p>System response This extends the Inbound Relationship dialog box.</p>
9	<p>If you need the system to generate an Outbound Receipt Acknowledgment in response to documents received for this inbound relationship, “Generate Acknowledgments” at the Document and Group levels must be turned on.</p> <p>To Generate Acknowledgments for the document level:</p> <ol style="list-style-type: none"> a. Click Advanced on the Inbound Relationship dialog b. Set Generate Acknowledgments to either “Yes - With No Error Detail” or “Yes - With Error Detail.” <p>Note If the option to Generate Acknowledgments is not turned on at the document level, the outbound Receipt Acknowledgment will not contain all the necessary information for a successful send.</p>
Selecting an inbound translation object	
1	<p>On the Inbound Relationship dialog box, click Translation.</p> <p>System response The system displays the Inbound Translation Object Dialog Box.</p>

(Contd) Step	Action
2	<p>From the drop-down lists, select the translation objects that are required for this inbound relationship from the lists.</p> <p>Note The lists display all the translation objects that are registered in the system that are appropriate for the type of translation object (e.g., Export, Print, etc.) and the message.</p> <p>If there are no translation objects displayed in the drop-down lists, no translation objects of that type are registered for the correct version of the message defined in the relationship.</p>
3	<p>If you selected an Export File translation object and you want to export to a specific file, type the universal naming convention (UNC) name of that file in the Export File Name box.</p>
4	<p>Do you want to use the “Export to Mailbox” function to specify a mailbox and E-mail address so the output of the inbound translation object can be delivered directly back to the Mailbox Server Manager?</p> <ul style="list-style-type: none"> ▶ If <i>yes</i>, select the Export to Mailbox check box and complete the appropriate boxes. Continue with the next step. <p>Reference See <i>Inbound Translation Object Dialog Box</i> on page 2 - 13 for more information on the dialog box parts and functions.</p> <ul style="list-style-type: none"> ▶ If <i>no</i>, continue with the next step.
5	<p>Click Save to save your selections and return to the Inbound Relationship dialog box.</p>
Selecting an inbound functional group	
1	<p>On the Inbound Relationship dialog box, click Groups to display a list of existing groups.</p> <p>System response The system displays the Inbound Group Select Dialog Box.</p>
2	<p>Is the required group in the Groups list?</p> <ul style="list-style-type: none"> ▶ If <i>yes</i>, select the group and click Select. Continue with the <i>Selecting an inbound interchange</i> section of this table. <p>System response This action selects the highlighted group and returns you to the Inbound Relationship dialog box.</p> <ul style="list-style-type: none"> ▶ If <i>no</i>, continue with step 3 to create the group.

(Contd) Step	Action
3	<p>On the Inbound Group Select dialog box, click New.</p> <p>System response The system displays the Inbound Group Entry Dialog Box.</p>
4	<p>In the Description box, type the group description.</p>
5	<p>In the Functional Group ID box, type the identification of the functional group you are specifying.</p> <p>Note Your standards group defines which functional group ID should be used for each type of message.</p>
6	<p>Click Advanced to display the full list of functional group setup options.</p> <p>System response This extends the Inbound Group Entry dialog box.</p>
7	<p>For a RosettaNet partner, you should perform the following:</p> <ul style="list-style-type: none"> ✦ Select the Acknowledge Group check box in the Advanced section. ✦ From the Ack Transaction Set ID list, select the appropriate Ack Transaction Set ID. ✦ From the Acknowledge Transl.Obj. list, select the appropriate receipt acknowledgement map. ✦ Click Save. <p>Note When setting up an Inbound Relationship to generate outbound Receipt Acknowledgments, acknowledgments must be turned on at the Group and Document level.</p> <p>System response The system stores the information and returns to the Inbound Group Select dialog box.</p>
8	<ul style="list-style-type: none"> ✦ Highlight the new group and ✦ click Select. <p>System response Selects the group and returns to the Inbound Relationship dialog box.</p>

(Contd) Step	Action
Selecting an inbound interchange	
1	<p>On the Inbound Relationship dialog box, click Interchanges to display a list of existing interchanges.</p> <p>System response The system displays the Inbound Interchange Select Dialog Box.</p>
2	<p>Is the required interchange in the Interchanges list?</p> <ul style="list-style-type: none"> • If <i>yes</i>, select the interchange and click Select. Continue with the <i>Finalizing the inbound relationship</i> section of this table. <p>System response This action selects the highlighted interchange and returns you to the Inbound Relationship dialog box.</p> <ul style="list-style-type: none"> • If <i>no</i>, continue with step 3 to create the interchange.
3	<p>On the Inbound Interchange Select dialog box, click New.</p> <p>System response The system displays the Inbound Interchange Entry Dialog Box.</p>
4	<p>In the Description box, type the interchange description.</p>
5	<p>In the Interchange ID box, type the identification of the interchange you are specifying.</p> <p>Note Your standards group defines which interchange ID should be used for each type of message.</p>
6	<p>Click Advanced to display the full list of interchange setup options.</p> <p>System response This extends the Inbound Interchange Entry dialog box.</p>
7	<p>From the Acknowledge Transl.Obj. list, select the appropriate receipt acknowledgement map and click Save.</p> <p>System response The system stores the information and return to the Inbound Interchange Select dialog box.</p>
8	<ul style="list-style-type: none"> • Highlight the new interchange and • click Select. <p>System response Selects the interchange and returns to the Inbound Relationship dialog box.</p>

(Contd) Step	Action
Finalizing the inbound relationship	
1	On the Inbound Relationship dialog box, click Save to save the inbound relationship.
2	Click Exit to return to the Partner Editor dialog box.

How to Create a New RosettaNet Outbound Relationship

Introduction

To correctly send information to a trading partner, you need to define an outbound relationship. Outbound relationships define the parameters needed to send a data file to a trading partner. Each outbound relationship defines the format of a single business message, and how that business message is formatted and sent to the specified trading partner.

Necessary parameters

You must set up several parameters that are used to create an outbound relationship. These parameters tell the system the following information:

- How to create the required message.
- The criteria that the system uses to validate the information entered.
- How to create the interchange envelope in preparation for sending.

Translation objects

Each outbound relationship must have one or more associated outbound translation objects. These translation objects determine how the sent data is formatted. You need to specify which translation objects are used to define the rules for screen entry or file import. At a minimum, one translation object must be available.

Note

If this relationship requires a new translation object, you *must* register that translation object with the system before creating the outbound relationship. See *How to Register a New Translation Object in the IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for instructions on how to register translation objects.

Outbound groups and interchanges

For RosettaNet, you must define or select an outbound interchange and outbound functional group before the system allows you to complete the setup of an outbound relationship. The outbound functional group defines the format of the functional group and the parameters that should be used to verify it. The outbound interchange defines the format of the interchange and the parameters that should be used to verify it.

Note

If you do not want to use an optional functional group or interchange you must still select <none> from the appropriate dialog box to alert the system that you are not using a group.

Before you begin

Before setting up an outbound relationship, you must know the following information to plan the implementation of this partner:

- The EDI standard that you expect from this trading partner (e.g., ROSETTANET).
- The standard version that you expect from this trading partner (e.g., 1.1 or 2.0 for ROSETTANET).
- The code for the message you expect from this trading partner (e.g., Purchase Order Request).
- The type of functional group and interchange the message is wrapped in when it is sent to this partner.

Outbound relationship dialog box

After you complete your implementation planning for this partner, you can set up the outbound relationship by using the Outbound Relationship dialog box. The Outbound Relationship dialog box controls other subordinate dialog boxes, where you define everything that is necessary to establish the relationship.

Process of defining an outbound relationship

The process you use when defining an outbound relationship is explained in the following table.

Stage	Description
1	Create a new outbound relationship.
2	Select at least one outbound translation object.
3	Create and select at least one outbound group to define how the message is received from this partner.
4	Create and select at least one outbound interchange to define how the message is received from this partner.
5	If you are using the RosettaNet standard, complete the Outbound Envelope PIP Initiation Dialog Box at the interchange level.
6	If you have not done so already, set up the corresponding inbound relationship to receive the acknowledgements you expect from your partner. Reference See <i>How to Create a New RosettaNet Inbound Relationship</i> on page 2 - 64 for information on how to establish an inbound relationship.

Procedure Use this procedure to create an outbound relationship.

Step	Action
Creating a new outbound relationship	
1	<p>From the Start menu, select Programs\Gentran Server\Gentran Server.</p> <p>System Response The system displays the Sterling Gentran:Server Electronic Commerce Manager.</p>
2	<p>From the Sterling Gentran:Server Tools menu, select Partner Editor.</p> <p>System Response The system displays the Partner Editor Dialog Box.</p>
3	<ul style="list-style-type: none"> ✦ Select the partner profile for which you want to create an outbound relationship and ✦ click Outbound. <p>System response The system displays the Outbound Relationship Dialog Box.</p> <p>Note You must have already created a partner definition for this partner.</p> <p>Reference See <i>How to Create a New RosettaNet Partner Definition</i> on page 2 - 62 for more information.</p>
4	<p>Click New.</p> <p>System response The system displays the New Outbound Relationship dialog box.</p>
5	<p>In the description box, type a unique relationship name.</p>
6	<p>Click Save.</p> <p>System response The system creates a new outbound relationship and returns to the Outbound Relationship dialog box.</p>

(Contd) Step	Action
7	<p>From the appropriate drop-down lists on the Outbound Relationship dialog box, select the following:</p> <ul style="list-style-type: none"> ✦ Standard (R - ROSETTANET), ✦ Version, and ✦ Transaction Set. <p>Notes</p> <ul style="list-style-type: none"> ✦ The contents of these lists are displayed from the translation objects registered in Sterling Gentran:Server. For example, if there are no translation objects for the RosettaNet version you are using registered with Sterling Gentran, you will not be available to select that version on this dialog box. ✦ The information required for this dialog box should be provided to you by your trading partner when this partner defines the details of the transactions they send you.
8	<p>If you need to define parameters to comply with the processing needs of your partner (e.g., Last Used Control Number, Expect Acknowledgement, Hours Overdue, Duplicate Documents, or Test Indicator), click Advanced.</p> <p>System response This extends the Outbound Relationship dialog box.</p>
Selecting an outbound translation object	
1	<p>On the Outbound Relationship dialog box, click Translation.</p> <p>System response The system displays the Outbound Translation Object Dialog Box.</p>
2	<p>From the drop-down lists, select the translation objects that are required for this outbound relationship from the lists.</p> <p>Note The lists display all the translation objects that are registered in the system that are appropriate for the type of translation object (e.g., Import, Print, etc.) and the message.</p> <p>If there are no translation objects displayed in the drop-down lists, no translation objects of that type are registered for the correct version of the message defined in the relationship.</p>

(Contd) Step	Action
3	<p>If you selected an Import translation object, you may need to define the following:</p> <ul style="list-style-type: none"> ✦ In the Application ID box, type the application identifier that indicates the destination for the messages. ✦ In the Application Alias Value box, type criteria that the system will use to distinguish this relationship from others during the application import function.
4	Click Save to save your selections and return to the Outbound Relationship dialog box.
Selecting an outbound functional group	
1	<p>On the Outbound Relationship dialog box, click Groups to display a list of existing groups.</p> <p>System response The system displays the Outbound Group Select Dialog Box.</p>
2	<p>Is the required group in the Groups list?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, select the group and click Select. Continue with the <i>Selecting an outbound interchange</i> section of this table. <p>System response This action selects the highlighted group and returns you to the Outbound Relationship dialog box.</p> <ul style="list-style-type: none"> ✦ If <i>no</i>, continue with step 3 to create the group.
3	<p>On the Outbound Group Select dialog box, click New.</p> <p>System response The system displays the Outbound Group Entry Dialog Box.</p>
4	In the Description box, type the group description.
5	<p>In the Functional Group ID box, type the identification of the functional group you are specifying.</p> <p>Note Your standards group defines which functional group ID should be used for each type of message.</p>
6	<p>Click Advanced to display the full list of functional group setup options.</p> <p>System response This extends the Outbound Group Entry dialog box.</p>

(Contd) Step	Action
7	<p>From the Group Transl. Obj. list, select the appropriate build translation object and click Save.</p> <p>System response The system stores the information and return to the Outbound Group Entry dialog box.</p>
8	<p>Click Save to store the information on the Outbound Group Entry dialog box and return to the Outbound Group Select dialog box.</p>
9	<ul style="list-style-type: none"> ▶ Highlight the new group and ▶ click Select. <p>System response Selects the group and returns to the Outbound Relationship dialog box.</p>
Selecting an outbound interchange	
1	<p>On the Outbound Relationship dialog box, click Interchanges to display a list of existing interchanges.</p> <p>System response The system displays the Outbound Interchange Select Dialog Box.</p>
2	<p>Is the required interchange in the Interchanges list?</p> <ul style="list-style-type: none"> ▶ If <i>yes</i>, select the interchange and click Select. Continue with the <i>Finalizing the outbound relationship</i> section of this table. <p>System response This action selects the highlighted interchange and returns you to the Outbound Relationship dialog box.</p> <ul style="list-style-type: none"> ▶ If <i>no</i>, continue with step 3 to create the interchange.
3	<p>On the Outbound Interchange Select dialog box, click New.</p> <p>System response The system displays the Outbound Interchange Entry Dialog Box.</p>
4	<p>In the Description box, type the interchange description.</p>
5	<p>In the Interchange ID box, type the identification of the interchange you are specifying.</p> <p>Note Your standards group defines which interchange ID should be used for each type of message.</p>
6	<p>Click Advanced to display the full list of interchange setup options.</p> <p>System response This extends the Outbound Interchange Entry dialog box.</p>

(Contd) Step	Action
7	Do you want to use the default Mailbox and E-mail Address? <ul style="list-style-type: none"> ✦ If <i>yes</i>, continue with step 9. ✦ If <i>no</i>, continue with the next step.
8	<ul style="list-style-type: none"> ✦ Select the appropriate mailbox from the Mailbox list, or ✦ click New Mailbox to create a new mailbox. <p>Note See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information on creating mailboxes.</p>
9	From the Interchange Transl. Obj. list, select the appropriate build translation object and click Save . <p>System response The system stores the information and return to the Outbound Interchange Entry dialog box.</p>
10	Click Envelope to set up the parameters for the generation of the interchange segment. <p>System response The system displays a message box asking if you want to initiate a PIP.</p>
11	Click Yes . <p>System response The system displays the Outbound Envelope PIP Initiation Dialog Box.</p>
12	After you set up the required parameters in the enveloping dialog box, click Save to store the information and return to the Outbound Interchange Entry dialog box.
13	Click Save to store the information on the Outbound Interchange Entry dialog box and return to the Outbound Interchange Select dialog box.
14	<ul style="list-style-type: none"> ✦ Highlight the new interchange and ✦ click Select. <p>System response Selects the interchange and returns to the Outbound Relationship dialog box.</p>
Finalizing the outbound relationship	
1	On the Outbound Relationship dialog box, click Save to save the outbound relationship.
2	Click Exit to return to the Partner Editor dialog box.

How to Edit or Delete a RosettaNet Partner Definition

Introduction

The partner definition contains the basic profile information about that partner to which the system associates the rest of that partner's records. You can edit or delete the partner definition from the Partner Editor dialog box.

Editing a partner profile

Use this procedure to edit a partner profile.

Step	Action
1	<p>From the Start menu, select Programs\Gentran Server\Gentran Server.</p> <p>System Response The system displays the Sterling Gentran:Server Electronic Commerce Manager.</p>
2	<p>From the Tools menu, select Partner Editor.</p> <p>System Response The system displays the Partner Editor Dialog Box.</p>
3	<ul style="list-style-type: none"> ✦ Select the appropriate partner from the Select a Partner list and ✦ click Edit. <p>System response The system displays the Partner Definition (New/Edit) Dialog Box for that partner.</p>
4	<p>Make the necessary changes and click Save.</p> <p>System response Return to the Partner Editor dialog box.</p> <p>Note You can also edit other aspects of a partner relationship (e.g., inbound relationship, outbound relationship) by clicking the appropriate button (Inbound or Outbound) on the Partner Editor dialog box.</p> <p>You are not able to edit any boxes that are unavailable; these are the “keys” to the relationship. In this case, you must create a new inbound or outbound relationship for that partner.</p> <p>Reference</p> <ul style="list-style-type: none"> ✦ See <i>How to Create a New RosettaNet Inbound Relationship</i> on page 2 - 64 for more information on creating a new inbound relationship. ✦ See <i>How to Create a New RosettaNet Outbound Relationship</i> on page 2 - 72 for more information on creating a new outbound relationship.

Deleting a partner profile

Use this procedure to delete a partner profile.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran Server. System Response The system displays the Sterling Gentran:Server Electronic Commerce Manager.
2	From the Tools menu, select Partner Editor . System Response The system displays the Partner Editor Dialog Box.
3	Select the appropriate partner from the Select a Partner list and click Delete . System response You are prompted to confirm the deletion. Warning When you delete a partner relationship, the messages and interchanges associated with that partner are also deleted. If any messages or interchanges exist for a partner you choose to delete, you are warned before the actual deletion.
4	Click Yes to delete the selected partner profile. System response The partner profile and all associated records are deleted.

How to Create a Partner Contact

Procedure Use this procedure to create a partner contact.

Note

You must enter partner contact information before the system can process RosettaNet Receipt Acknowledgements and Exceptions.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console . System Response The system displays the RosettaNet Management Console.
2	Click Partner Contact Information Manager . System Response The system displays the Partner Contact Information Manager Dialog Box.
3	Click Add . System response The system displays the Add Contact Dialog Box.
4	From the EDI Code list, select the EDI Code for the partner for which you want to create contact information.
5	Complete the remaining boxes.
6	Click OK . System response Saves the partner contact information and exits the dialog box.

How to Edit Partner Contact Information

Procedure Use this procedure to edit partner contact information.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console . System Response The system displays the Sterling Gentran:Server RosettaNet Management Console.
2	Click Partner Contact Information Manager . System Response The system displays the Partner Contact Information Manager Dialog Box.
3	Select the partner contact information you wish to change and click Edit . System response The system displays the Edit Contact Dialog Box.
4	Modify the necessary information.
5	Click OK . System response Saves the modified partner contact information and exits the dialog box.

How to Delete a Partner Contact

Procedure Use this procedure to delete a partner contact and all associated records.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console . System Response The system displays the RosettaNet Management Console.
2	Click Partner Contact Information Manager . System Response The system displays the Partner Contact Information Manager Dialog Box.
3	From the list, select a partner contact and click Delete . System response You are prompted to confirm the delete.
4	Click Yes to confirm the delete.

How to Import a Partner Contact

Introduction To use this function you must have already exported a partner contact to an XML file.

Procedure Use this procedure to import a partner contact.

Step	Action
1	<p>Verify that the PartnerContactInfo_tb.dtd file is located in the same directory as the XML file you wish to import. If this DTD file is not located in the same directory, copy it there.</p> <p>Notes</p> <ul style="list-style-type: none"> ✦ This DTD file is originally installed in the GENSRVNT\BIN directory. ✦ The PartnerContactInfo_tb.dtd file must be located in the same directory as the XML file to be imported because it is used to verify that the XML file contains valid partner contact information.
2	<p>From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console.</p> <p>System Response The system displays the RosettaNet Management Console.</p>
3	<p>Click Partner Contact Information Manager.</p> <p>System Response The system displays the Partner Contact Information Manager Dialog Box.</p>
4	<p>Click Import.</p> <p>System response The system displays the Filename for Partner Contact Information Import Dialog Box.</p>
5	<p>Select the location of the partner contact by</p> <ul style="list-style-type: none"> ✦ selecting it from the Look in list or ✦ typing it in the File name box.
6	<p>Click Open.</p> <p>System response The system confirms that the import is complete.</p>
7	<p>Click OK to complete the import process.</p>

How to Export a Partner Contact

Introduction This function enables you to export partner contact information to an XML file.

Procedure Use this procedure to export a partner contact.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console . System Response The system displays the RosettaNet Management Console.
2	Click Partner Contact Information Manager . System Response The system displays the Partner Contact Information Manager Dialog Box.
3	<ul style="list-style-type: none"> ✦ Select the partner contact you wish to export and ✦ click Export. System response The system displays the Filename for Partner Contact Information Export Dialog Box.
4	Name the export file by <ul style="list-style-type: none"> ✦ selecting it from the Look in list or ✦ typing it in the File name box. Note The system automatically prompts you with the .XML extension.
5	Click Save to export the partner. System response The system confirms that the export is complete.
6	Click OK to complete the export process.

Configuring Maps for Use with RosettaNet

Contents	• Introduction	3 - 2
	Procedures	3 - 8
	• How to Load the XML (RosettaNet) Message Standards	3 - 8
	• How to Create a Map for Use with RosettaNet	3 - 9
	• How to Define RosettaNet Translation Object Details	3 - 13

Introduction

In this chapter This chapter explains how to configure maps for use with the Sterling Gentran:Server for RosettaNet.

Important

Before the system can receive inbound RosettaNet documents, you must place the corresponding DTD for that type of document in the GENSRVNT\Bin directory.

Sterling Gentran:Server for RosettaNet Sample Maps

Sterling Gentran:Server for RosettaNet installs sample maps into the GENSRVNT\RosettaNet\Tutorials\Maps\Source folder. You can access these maps through the Application Integration subsystem at any time.

Reference

See the IBM® *Sterling Gentran:Server® for Microsoft Windows Application Integration User Guide* for more information on how to use the Sterling Gentran:Server Application Integration subsystem.

Sterling Gentran:Server for RosettaNet DTDs

Sterling Gentran:Server for RosettaNet installs the DTDs listed in this table into the GENSRVNT\RosettaNet\Complete DTD Examples folder.

Part	Function
CompleteInboundActionRNIF1_1.DTD	Used by you to build the INPUT side of your inbound RosettaNet RNIF 1.1 map.
CompleteInboundActionRNIFV02_00.DTD	Used by you to build the INPUT side of your inbound RosettaNet RNIF 2.0 map.
CompleteOutboundActionRNIF1_1.DTD	Used by you to build the OUTPUT side of your outbound RosettaNet RNIF 1.1 map.
CompleteOutboundActionRNIFV02_00.DTD	Used by you to build the OUTPUT side of your outbound RosettaNet RNIF 2.0 map.
CompleteOutboundActionWithAttachmentsRNIFV02_00.DTD	Used by you to build the OUTPUT side of your outbound RosettaNet RNIF 2.0 map for an outbound action with attachments. Note Use this DTD if you are using attachments.
DeliveryHeader_MS_V02_00.DTD	Used by the CompleteOutboundActionRNIFV02_00.DTD to create the delivery header part of the map.

Part	Function
Preamble_MS_V02_00.DTD	Used by the CompleteOutboundActionRNIFV02_00.DTD to create the preamble part of the map.
PreamblePartMessageGuideline.DTD	Used by the CompleteInboundActionRNIF1_1.DTD/ CompleteInboundActionRNIFV02_00.DTD and CompleteOutboundActionRNIF1_1.DTD/ CompleteOutboundActionRNIFV02_00.DTD to create the preamble part of the map.
ServiceHeader_MS_V02_00.DTD	Used by the CompleteOutboundActionRNIFV02_00.DTD to create the service header part of the map.
ServiceHeader_MS_V02_00AttachmentOnly.DTD	Used by the CompleteOutboundActionWith AttachmentsRNIFV02_00.DTD to create the service header part of the map.
ServiceHeaderPartMessageGuideline.DTD	Used by the CompleteInboundActionRNIF1_1.DTD/ CompleteInboundActionRNIFV02_00.DTD and CompleteOutboundActionRNIF1_1.DTD/ CompleteOutboundActionRNIFV02_00.DTD to create the service header part of the INPUT and OUTPUT sides of the map.

Process flow

This table describes the tasks that you perform to configure each RosettaNet map.

Stage	Description
1	<p>Download the DTD for the appropriate Action from the RosettaNet website (www.rosettanet.org).</p> <p>Notes</p> <ul style="list-style-type: none"> ✦ Locate the DTD in the same folder as the DTDs provided with Sterling Gentran:Server for RosettaNet (GENSRVNT\RosettaNet\Complete DTD examples). ✦ Before the system can receive inbound RosettaNet documents, you must place the corresponding DTD for that type of document in the GENSRVNT\Bin directory.

(Contd) Stage	Description												
2	<p>Using a text editor, open the DTD specified in this table.</p> <p>Note These DTDs are located in GENSRVNT\RosettaNet\Complete DTD examples.</p> <table border="1" data-bbox="618 506 1427 1045"> <thead> <tr> <th data-bbox="618 506 857 562">IF your map is...</th> <th data-bbox="857 506 1427 562">THEN open...</th> </tr> </thead> <tbody> <tr> <td data-bbox="618 562 857 653">inbound and RNIF version 1.1,</td> <td data-bbox="857 562 1427 653">CompleteInboundActionRNIF1_1.DTD</td> </tr> <tr> <td data-bbox="618 653 857 743">inbound and RNIF version 2.0,</td> <td data-bbox="857 653 1427 743">CompleteInboundActionRNIFV02_00.DTD</td> </tr> <tr> <td data-bbox="618 743 857 833">outbound and RNIF version 1.1,</td> <td data-bbox="857 743 1427 833">CompleteOutboundActionRNIF1_1.DTD</td> </tr> <tr> <td data-bbox="618 833 857 924">outbound and RNIF version 2.0,</td> <td data-bbox="857 833 1427 924">CompleteOutboundActionRNIFV02_00.DTD</td> </tr> <tr> <td data-bbox="618 924 857 1045">outbound with attachments and version 2.0,</td> <td data-bbox="857 924 1427 1045">CompleteOutboundActionWithAttachmentsRNIFV02_00.DTD</td> </tr> </tbody> </table>	IF your map is...	THEN open...	inbound and RNIF version 1.1,	CompleteInboundActionRNIF1_1.DTD	inbound and RNIF version 2.0,	CompleteInboundActionRNIFV02_00.DTD	outbound and RNIF version 1.1,	CompleteOutboundActionRNIF1_1.DTD	outbound and RNIF version 2.0,	CompleteOutboundActionRNIFV02_00.DTD	outbound with attachments and version 2.0,	CompleteOutboundActionWithAttachmentsRNIFV02_00.DTD
IF your map is...	THEN open...												
inbound and RNIF version 1.1,	CompleteInboundActionRNIF1_1.DTD												
inbound and RNIF version 2.0,	CompleteInboundActionRNIFV02_00.DTD												
outbound and RNIF version 1.1,	CompleteOutboundActionRNIF1_1.DTD												
outbound and RNIF version 2.0,	CompleteOutboundActionRNIFV02_00.DTD												
outbound with attachments and version 2.0,	CompleteOutboundActionWithAttachmentsRNIFV02_00.DTD												
3	<p>For the defineAction entity, type the name of the DTD that you downloaded into the area surrounded by quotation marks (e.g., “Action To be Mapped”).</p>												
4	<p>Replace the word “Action” with the root tag of the DTD in the following locations (word to be replaced is indicated in boldface):</p> <ul style="list-style-type: none"> ✦ <!ENTITY % defineAction SYSTEM “Action To be Mapped”> ✦ %defineAction; <p>For inbound RNIF version 1.1</p> <ul style="list-style-type: none"> ✦ <!ELEMENT RosettaNetMerge1.1 (Pxml, PDOCTYPE, Preamble, Pxml, PDOCTYPE, ServiceHeader, Pxml, PDOCTYPE, Action) > 												

(Contd) Stage	Description
<p>4 (contd)</p>	<p>For inbound RNIF version 2.0</p> <ul style="list-style-type: none"> ✦ <!ELEMENT RosettaNetMergeV02_00 (Pxml, PDOCTYPE, Preamble, Pxml, PDOCTYPE, ServiceHeader, Pxml, PDOCTYPE, Action) > <p>For Outbound RNIF version 1.1</p> <ul style="list-style-type: none"> ✦ <!ELEMENT RosettaNetMerge1.1 (ServiceHeader, Action) > <p>For Outbound RNIF version 2.0</p> <ul style="list-style-type: none"> ✦ <!ELEMENT RosettaNetMergeV02_00 (ServiceHeader, Action) > <p>For Outbound RNIF version 2.0 with attachments</p> <ul style="list-style-type: none"> ✦ <!ELEMENT RosettaNetMergeWithAttachmentsV02_00 (ServiceHeader, Action) >
<p>5</p>	<p>Create the import or export map using Application Integration, and select the DTD that you modified.</p> <p>Note</p> <ul style="list-style-type: none"> ✦ For inbound you will create an export map. ✦ For outbound you will create an import map. <p>References</p> <ul style="list-style-type: none"> ✦ See <i>How to Create a Map for Use with RosettaNet</i> on page 3 - 9 for more information on selecting the DTD when you create the map. ✦ See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Application Integration User Guide</i> for general information on creating maps.

(Contd) Stage	Description														
6	<p>For all outbound maps, you need to populate the document type declaration (DTD) with the appropriate values. To do so, you need to ensure that you populate the attributes in the following table on the OUTPUT side of the map with data.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Application Integration User Guide</i> for more information on specific mapping tasks.</p>														
	<table border="1"> <thead> <tr> <th data-bbox="618 632 857 688">For this value...</th> <th data-bbox="857 632 1425 688">Map it like this...</th> </tr> </thead> <tbody> <tr> <td data-bbox="618 688 857 1035">ServiceContentDTD</td> <td data-bbox="857 688 1425 1035"> <p>Use an extended or standard rule so the value of this field is equal to the RosettaNet DTD for that action.</p> <p>Example #ServiceContentDTD = "3A4PurchaseOrderAcceptanceMessageGuideline_v1_1.dtd";</p> <p>Note This field must be populated only if you are using attachments.</p> </td> </tr> <tr> <td data-bbox="618 1035 857 1262">ServiceContentDoctype</td> <td data-bbox="857 1035 1425 1262"> <p>Use an extended or standard rule so the value of this field is equal to the RosettaNet DTD for that action.</p> <p>Example #ServiceContentDoctype = "PIP3A4PurchaseOrderAcceptance";</p> </td> </tr> <tr> <td data-bbox="618 1262 857 1352">PartnerName</td> <td data-bbox="857 1262 1425 1352"> <p>Use a Select standard rule to map the partner name into this field.</p> </td> </tr> <tr> <td data-bbox="618 1352 857 1476">InResponseDocumentName</td> <td data-bbox="857 1352 1425 1476"> <p>No rule is required. This field is equivalent to the proprietary document identifier for the document to which it is responding.</p> </td> </tr> <tr> <td data-bbox="618 1476 857 1566">DocumentName</td> <td data-bbox="857 1476 1425 1566"> <p>Link to the proprietary document identifier for this document for the action being mapped.</p> </td> </tr> <tr> <td data-bbox="618 1566 857 1787">GlobalBusinessActionCode</td> <td data-bbox="857 1566 1425 1787"> <p>Use an extended or standard rule so the value of this field is equal to the value contained in the PIP profile.</p> <p>Example #GlobalBusinessActionCode = "Purchase Order Acceptance Action";</p> </td> </tr> </tbody> </table>	For this value...	Map it like this...	ServiceContentDTD	<p>Use an extended or standard rule so the value of this field is equal to the RosettaNet DTD for that action.</p> <p>Example #ServiceContentDTD = "3A4PurchaseOrderAcceptanceMessageGuideline_v1_1.dtd";</p> <p>Note This field must be populated only if you are using attachments.</p>	ServiceContentDoctype	<p>Use an extended or standard rule so the value of this field is equal to the RosettaNet DTD for that action.</p> <p>Example #ServiceContentDoctype = "PIP3A4PurchaseOrderAcceptance";</p>	PartnerName	<p>Use a Select standard rule to map the partner name into this field.</p>	InResponseDocumentName	<p>No rule is required. This field is equivalent to the proprietary document identifier for the document to which it is responding.</p>	DocumentName	<p>Link to the proprietary document identifier for this document for the action being mapped.</p>	GlobalBusinessActionCode	<p>Use an extended or standard rule so the value of this field is equal to the value contained in the PIP profile.</p> <p>Example #GlobalBusinessActionCode = "Purchase Order Acceptance Action";</p>
For this value...	Map it like this...														
ServiceContentDTD	<p>Use an extended or standard rule so the value of this field is equal to the RosettaNet DTD for that action.</p> <p>Example #ServiceContentDTD = "3A4PurchaseOrderAcceptanceMessageGuideline_v1_1.dtd";</p> <p>Note This field must be populated only if you are using attachments.</p>														
ServiceContentDoctype	<p>Use an extended or standard rule so the value of this field is equal to the RosettaNet DTD for that action.</p> <p>Example #ServiceContentDoctype = "PIP3A4PurchaseOrderAcceptance";</p>														
PartnerName	<p>Use a Select standard rule to map the partner name into this field.</p>														
InResponseDocumentName	<p>No rule is required. This field is equivalent to the proprietary document identifier for the document to which it is responding.</p>														
DocumentName	<p>Link to the proprietary document identifier for this document for the action being mapped.</p>														
GlobalBusinessActionCode	<p>Use an extended or standard rule so the value of this field is equal to the value contained in the PIP profile.</p> <p>Example #GlobalBusinessActionCode = "Purchase Order Acceptance Action";</p>														

(Contd) Stage	Description
7	Configure the Translation Object Details for each map. Reference See <i>How to Define RosettaNet Translation Object Details</i> on page 3 - 13 for more information.
8	Save and compile the translation object. Reference See <i>How to Compile a Map in the IBM® Sterling Gentran:Server® for Microsoft Windows Application Integration User Guide</i> for more information.
9	Register the translation object with Sterling Gentran:Server. Reference See <i>How to Register a New Translation Object in the IBM® Sterling Gentran:Server® for Microsoft Windows User Guide</i> for more information.
10	Select the translation object for the appropriate trading partner relationship. Reference See <i>Using Partner Editor with Sterling Gentran:Server for RosettaNet</i> on page 2 - 1 for more information.

Procedures

How to Load the XML (RosettaNet) Message Standards

System requirements

The XML standards (formerly the Sterling Gentran:Server for RosettaNet standards) must be installed on your hard drive. The standards are installed directly into your Sterling Gentran:Server Database, so the disk space required is negligible.

Note

You may also download the XML standards from the IBM Web site.

Before you begin

You must install Sterling Gentran:Server for RosettaNet before you install the XML Standards database.

Installing the XML message standards

Complete the following steps to install the XML Standards database:

Step	Action
1	<p>Insert the XML Standards Disc into the CD-ROM drive on your primary Sterling Gentran:Server system controller.</p> <p>System response Setup prepares the wizard that guides you through the install program. This may take several seconds. The Welcome dialog is displayed.</p>
2	<p>Click Next to continue the Setup program and Setup proceeds to install the standards.</p> <p>System response Setup prompts you that you have completed the XML Standards database installation.</p>
3	<p>Click OK to exit Setup.</p>

How to Create a Map for Use with RosettaNet

Introduction You will use the Application Integration New XML Wizard to create your format from a selected predefined document source type (i.e., the DTD you modified).

Procedure Use this procedure to create a map for use with RosettaNet.

Step	Action						
1	<p>From the Start menu, select Programs\Gentran Server\Gentran Server Application Integration.</p> <p>System response The system displays the Sterling Gentran:Server Application Integration window.</p>						
2	<p>From the File menu, select New.</p> <p>System response The system displays the New Map Wizard.</p>						
3	<p>Answer the following questions and then click Next.</p> <ul style="list-style-type: none"> ▶ <i>What kind of map are you creating?</i> The following table defines the selections: <table border="1" data-bbox="623 1108 1427 1283"> <thead> <tr> <th>Part</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>Import</td> <td>Used for outbound maps.</td> </tr> <tr> <td>Export</td> <td>Used for inbound maps.</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ▶ <i>What is the name of the map?</i> Type the unique name of the map. The system adds the .MAP extension. ▶ <i>What is your name?</i> Type your name if it differs from the user name prompted by the system. <p>System response The system displays the New Map Wizard - Input Format dialog box.</p> <p>Note You need to complete the format of the Input side of the map. This is the format of the data that is translated by the Sterling Gentran:Server system.</p>	Part	Function	Import	Used for outbound maps.	Export	Used for inbound maps.
Part	Function						
Import	Used for outbound maps.						
Export	Used for inbound maps.						

(Contd) Step	Action
4	<p>Is this an inbound map?</p> <ul style="list-style-type: none"> ➤ If <i>yes</i>, select XML from the Create a new data format using this syntax list, and continue with the next step. ➤ If <i>no</i> (this is an outbound map), select the appropriate file format from the Create a new data format using this syntax list, click Next, and continue with step 7. <p>System response The system displays the New Map Wizard - Output Format dialog box.</p>
5	<p>Click Customize and continue with the next step.</p> <p>System response The system displays the New XML Wizard dialog box.</p> <p>Note The New XML Wizard enables you to create your format from a selected predefined document source type (i.e., the DTD you modified).</p>
6	<p>Follow these steps and then continue with next step.</p> <ol style="list-style-type: none"> a. Type the name of your DTD file or a URL pointing to the DTD and click Next. b. Select the Root Element, set the maximum length of data elements, and click Next. <p>Notes</p> <ul style="list-style-type: none"> — The DTD does not explicitly define the root element, so you can choose from all the elements defined in the DTD. By default, the wizard selects the first element encountered in the DTD. — You can specify the maximum length of data elements because this is not defined in the DTD. <ol style="list-style-type: none"> c. Click Finish. <p>Note If the system needed to make changes to the DTD to make it compliant with Sterling Gentran:Server, the system informs you of the changes. Click OK.</p> <p>System response The system displays the New Map Wizard - Output Format dialog box.</p>

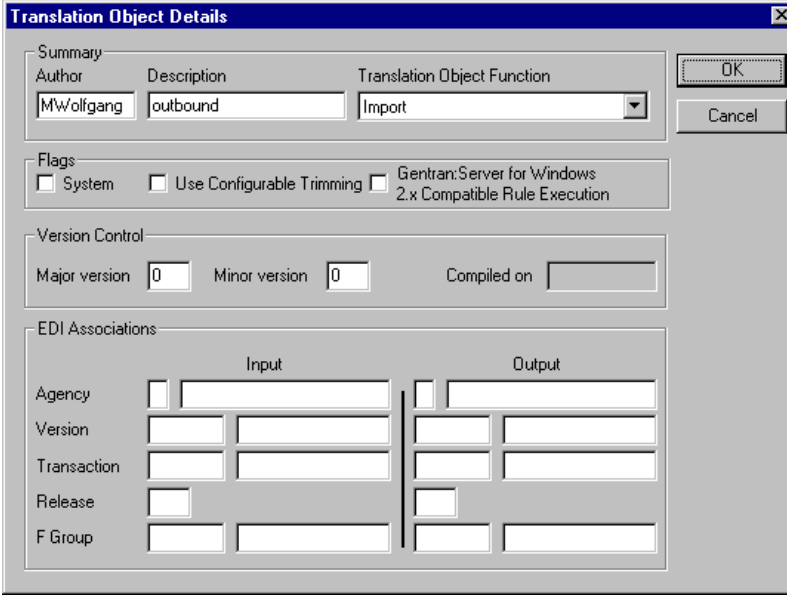
(Contd) Step	Action
7	<p>Is this an inbound map?</p> <ul style="list-style-type: none"> • If <i>yes</i>, select the appropriate file format from the Create a new data format using this syntax list, click Next, and continue with step 9. <p>System response The system displays the New Map Wizard dialog box.</p> <ul style="list-style-type: none"> • If <i>no</i> (this is an outbound map), select XML from the Create a new data format using this syntax list, and continue with the next step.
8	<p>Click Customize and continue with the next step.</p> <p>System response The system displays the New XML Wizard dialog box.</p> <p>Note The New XML Wizard enables you to create your format from a selected predefined document source type (i.e., the DTD you modified).</p>
9	<p>Follow these steps and then continue with next step.</p> <ol style="list-style-type: none"> a. From the Document Source Type list, select DTD and click Next. b. Type the name of your DTD file or a URL pointing to the DTD and click Next. c. Select the doctype, set the maximum length of data elements, and click Next. <p>Notes</p> <ul style="list-style-type: none"> — The DTD does not explicitly define the root element, so you can choose from all the elements defined in the DTD. By default, the wizard selects the first element encountered in the DTD. — You can specify the maximum length of data elements because this is not defined in the DTD. <ol style="list-style-type: none"> d. Click Finish. <p>Note If the system needed to make changes to the DTD to make it compliant with Sterling Gentran:Server, the system informs you of the changes. Click OK.</p> <p>System response The system displays the New Map Wizard dialog box.</p>

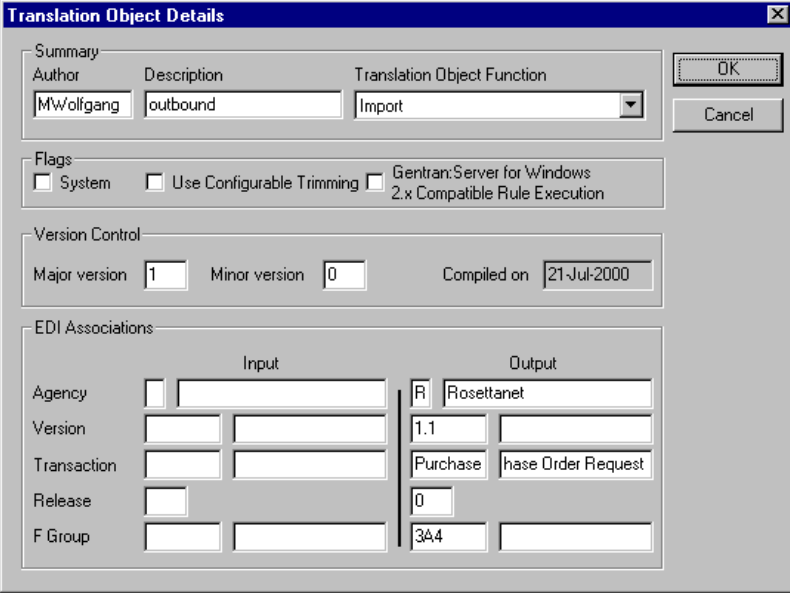
(Contd) Step	Action
10	Click Finish to load the standards information you selected and create the new map (this may take a few seconds). System response The system displays the new map in the Application Integration Window.
11	Create the structure of your application file on the appropriate side of the map (INPUT for outbound maps, OUTPUT for inbound maps) and perform the necessary mapping functions to move your data.

How to Define RosettaNet Translation Object Details

Introduction You need to define the RosettaNet-specific details for your map. The Application Integration Translation Object Details dialog box enables you to edit the details of the translation object, including the description and version information.

Procedure Use this procedure to specify translation object details.

Step	Action
1	<p>With your map active in the Application Integration window, select Details from the Edit menu.</p> <p>System response The system displays the Translation Object Details dialog box.</p> 
2	<p>In the first Agency box for the RosettaNet side of the map (Input or Output, depending on the direction of the map), type R.</p> <p>Note</p> <ul style="list-style-type: none"> ➤ For an Outbound map, the RosettaNet side is OUTPUT. ➤ For an Inbound map, the RosettaNet side is INPUT.
3	<p>In the second Agency box for the RosettaNet side of the map (Input or Output, depending on the direction of the map), type RosettaNet.</p>

(Contd) Step	Action
4	<p>In the Version box for the RosettaNet side of the map (Input or Output, depending on the direction of the map), type the RNIF version from the preamble.</p> <p>Example 1.1</p>
5	<p>In the Transaction box for the RosettaNet side of the map (Input or Output, depending on the direction of the map), type the descriptive name of the message.</p> <p>Example Purchase Order Request</p>
6	<p>In the F Group box for the RosettaNet side of the map (Input or Output, depending on the direction of the map), type the PIP to which the message belongs.</p> <p>Example 3A4</p>
7	<p>Do you want to change the map version?</p> <ul style="list-style-type: none"> • If <i>yes</i>, type the appropriate version numbers in the Major and Minor boxes and continue with the next step. • If <i>no</i>, continue with the next step. <p>Example This is an example of how the Translation Object Details dialog box should look for an outbound (Positional-to-RosettaNet) map.</p> 

(Contd) Step	Action
8	Click OK . System response The system saves your changes and exits the Translation Object Details dialog box.

Using the Security Profile Manager and Other Communications Tasks

Contents	Overview.....4 - 2
	<ul style="list-style-type: none"> ✦ Introduction..... 4 - 2 ✦ Delivery Agent 4 - 4 ✦ RosettaNet Communications Tasks 4 - 5
	RosettaNet Security Profile Manager Properties.....4 - 7
	<ul style="list-style-type: none"> ✦ Overview 4 - 7 ✦ Security Profile Manager Browser 4 - 8 ✦ Create Self-Signed Certificate Dialog Box..... 4 - 10 ✦ Import Certificate Dialog Box..... 4 - 12 ✦ Filename for Certificate Import Dialog Box..... 4 - 14 ✦ Filename for Private Key Certificate Export Dialog Box..... 4 - 15 ✦ Filename for Public Certificate Export Dialog Box 4 - 16
	Procedures4 - 18
	<ul style="list-style-type: none"> ✦ How to Create a Self-Signed Certificate..... 4 - 18 ✦ How to Delete a Certificate..... 4 - 20 ✦ How to Import a Certificate 4 - 21 ✦ How to Export a Certificate 4 - 23 ✦ How to Create the RosettaNet Mailbox for Each Outbound Trading Partner4 - 25 ✦ How to Implement Optional Features on Outbound Mailboxes 4 - 27 ✦ How to Create the RosettaNet Mailboxes for Inbound RNIF 1.1/2.0. . 4 - 29

Overview

Introduction

In this chapter

This chapter describes the tasks that you must complete to configure the Security Profile Manager and other additional tasks that are necessary to set up communications for the Sterling Gentran:Server for RosettaNet.

Security Profile Manager

The Security Profile Manager enables you to administer the certificates required to encrypt, decrypt, sign, and verify messages as they flow in and out of Sterling Gentran:Server.

Note

The Security Profile Manager only resides on the Sterling Gentran:Server Mailbox Server, and is responsible for managing the digital certificate *on that machine*. The nature of certificate management makes it impossible to remotely administer these functions.

Other communications

Sterling Gentran:Server for RosettaNet allows you to use any mailbox transport system, including the HTTP and Internet E-Mail communications gateways. The only communications component contained within the Sterling Gentran:Server product is the RosettaNet delivery agent.

Digital certificates

Sterling Gentran:Server for RosettaNet enables you to use self-signed digital certificates, which allow you to verify that the PIPs you receive are from the partner you expected, and to allow your partners to verify that the PIPs you send to them are really from your company.

Self-signed digital certificates are agreed upon by you and your partner. These certificates do not require any additional expenditure but they are contingent upon a trusting relationship that is maintained between you and your partner.

Note

Any digital certificate that you use must also exist in duplicate on your trading partner's system.

The trading partner's public key, which is imported via the Security Profile Manager, is used to verify incoming digital signatures. The digital signature contains sufficient information to look up this public key. Any verification failures are noted in the Sterling Gentran:Server Audit Log and are considered security violations (that is, any digitally signed message that cannot be verified will be discarded and not processed).

Attachments**Inbound attachments**

If you use RNIF 2.0 and attachments are found and verified, Sterling Gentrans:Server for RosettaNet gives you the ability to transport the attachments to a mailbox message.

Outbound attachments

If you use RNIF 2.0 and you link your application information to the attachment portion of the manifest section of the RNIF 2.0 service header, Sterling Gentrans:Server for RosettaNet allows you to send attachments to your trading partners.

Note

If you are using attachments you must use the CompleteOutboundAttachmentRNIFV02_00.DTD that we provide.

- Use the above DTD to create your map.
- Populate or link all the map components in the Manifest portion of the Service Header.
 - Description is optional.
 - GlobalMIMETYPEQualifierCode is mandatory.
 - UniversalResourceIdentifier is mandatory and it must contain a valid path to which the delivery agent has access.
 - NumberofAttachments is mandatory and must contain the appropriate value.

Reference

See *Configuring Maps for Use with Sterling Gentrans:Server for RosettaNet*, chapter 3, for more information on linking your application information to the manifest section of the RNIF 2.0 service header.

Delivery Agent

Introduction

A delivery agent is a Dynamic Link Library (DLL) that performs processing on messages that are sent and received by Mailbox Server.

The RosettaNet Agent delivery agent normalizes your data (without regard to the version of RNIF used) into one database table (PIPTrack_tb).

Encryption and decryption

For RNIF 2.0, the RosettaNet Agent provides you with the ability to decrypt incoming messages using a private key, and to encrypt (if required) when sending documents, based on the public key associated with the receiving partner contained in the delivery header.

Encryption

The RNIF 2.0 message sender encrypts either the payload or the payload container of the outgoing RosettaNet message, which uses either the RC2 algorithm or the TripleDES algorithm. These outbound encryption settings are configured via the PIP Profiler.

Reference

See *How to Create a New PIP Profile* on page 5 - 17 for more information.

Decryption

An incoming RNIF 2.0 message that contains encrypted content is decrypted using the private key of the message receiver. Decryption failure results in an entry to the Sterling Gentran:Server Audit Log and a security violation (that is, the incoming message is discarded and not processed).

Inbound XML parsing

The RosettaNet Agent runs a validating XML parse against all *inbound* RosettaNet XML message parts to ensure that they conform to the appropriate DTDs. Any validation errors will be reported in the Sterling Gentran:Server Audit Log.

Note

The DTD for the document that is received must be located in the GENSRVNT\Bin directory.

Reference

See *Configuring Maps for Use with Sterling Gentran:Server for RosettaNet*, chapter 3, for more information on this process.

Mailbox

You need to create a RosettaNet mailbox for each outbound trading partner and configure it (via a delivery rule) to route messages via the RosettaNet delivery agent.

Delivery rules

Delivery Rules allow you to run executable programs on the message when specific criteria for that message is met.

RosettaNet Communications Tasks

Introduction

This section describes the inbound and outbound communications tasks for Sterling Gentran:Server for RosettaNet communications.

General inbound information

If you are running in a double-firewall (DMZ) environment, install and configure the HTTP Message Forwarder. Set the default destination URL to the HTTP Gateway URL configured on the Sterling Gentran:Server system where Sterling Gentran:Server for RosettaNet 5.3 is installed.

References

- ▶ See the *IBM® Sterling Gentran:Server® for Microsoft Windows Options Pack Installation Card* for instructions on installing the HTTP Message Forwarder.
- ▶ See the *IBM® Sterling Gentran:Server® for Microsoft Windows HTTP Message Forwarder Configuration Guide* for instructions on configuring the HTTP Message Forwarder.

RNIF 1.1 inbound

This table describes the Sterling Gentran:Server for RosettaNet inbound data flow for RNIF 1.1.

Stage	Description
1	<p>Create a new HTTP Gateway mailbox configured to receive messages.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows HTTP Gateway Configuration Guide</i> for more information.</p> <p>Notes</p> <ul style="list-style-type: none"> ▶ Set the MIME tag/value pairs to the following: <ul style="list-style-type: none"> — Tag: CONTENT-TYPE: — Value: APPLICATION/X-ROSETTANET-AGENT; VERSION=1.0 ▶ Set the Content Type and SubContent to Application/RosettaNet. ▶ Set Sterling Gentran:Server Application as the recipient.
2	<p>Add the RosettaNet delivery agent configured for inbound to this mailbox.</p> <p>Reference See <i>How to Create the RosettaNet Mailboxes for Inbound RNIF 1.1/2.0</i> on page 4 - 29 for more information.</p>

RNIF 2.0 inbound

This table describes the Sterling Gentran:Server for RosettaNet inbound data flow for RNIF 2.0.

Stage	Description
1	<p>Create a new HTTP Gateway mailbox configured to receive messages.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows HTTP Gateway Configuration Guide</i> for more information.</p> <p>Notes</p> <ul style="list-style-type: none"> ✦ Set the MIME tag/value pairs to the following: <ul style="list-style-type: none"> — Tag: X-RN-VERSION: — Value: ROSETTANET/V02.00 ✦ Set the Content Type and SubContent to Application/RosettaNet. ✦ Set Sterling Gentran:Server Application as the recipient.
2	<p>Add the RosettaNet delivery agent configured for inbound to this mailbox.</p> <p>Reference See <i>How to Create the RosettaNet Mailboxes for Inbound RNIF 1.1/2.0</i> on page 4 - 29 for more information.</p>

**RNIF 1.1 and 2.0
outbound**

This table describes the Sterling Gentran:Server for RosettaNet outbound data flow.

Stage	Description
1	<p>Create a new HTTP Gateway mailbox configured to send messages.</p> <p>Note Set the destination URL to your trading partner's URL.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows HTTP Gateway Configuration Guide</i> for more information.</p>
2	<p>Add the RosettaNet delivery agent configured for outbound to this mailbox.</p> <p>Reference See <i>How to Create the RosettaNet Mailbox for Each Outbound Trading Partner</i> on page 4 - 25 for more information.</p>
3	<p>The system looks at the agency and, if the agency is RosettaNet, it sorts all documents and sends Receipt Acknowledgements first, and then sends all remaining documents.</p>

RosettaNet Security Profile Manager Properties

Overview

Introduction

The RosettaNet Security Profile Manager enables you to administer the certificates required to encrypt, decrypt, sign, and verify messages as they flow in and out of Sterling Gentran:Server.

Note

The Security Profile Manager only resides on the Sterling Gentran:Server Mailbox Server, and is responsible for managing the digital certificate *on that machine*. The nature of certificate management makes it impossible to remotely administer these functions.

Introduction to importing or creating a certificate

When you import a certificate or create a self-signed certificate, it is associated with a Sterling Gentran:Server EDI code to ensure it uses the appropriate certificate on the documents flowing through the system. To facilitate the process of associating the trading partner ID and the digital certificate, you are presented with a list of existing partners and the EDI codes for those partners. If you want to associate a certificate with a trading partner ID not associated with a partner in your system, you can type in the trading partner ID you desire.

Notes

- When you create a self-signed certificate using the Security Profile Manager and when you are creating the information necessary to purchase a certificate, you must be logged onto the system and onto Sterling Gentran:Server using the same User ID and password under which the Sterling Gentran:Server Mailbox service runs. This is necessary because when the certificate is used during decryption or digital signature generation, the private key used for these operations is restricted to the User ID and password that created it.
- The importing and exporting of certificates with private keys is intended for use inside this application alone. However, it may work with applications that support PKCS #12.

Introduction to removing a certificate

The Security Profile Manager also allows you to remove certificates and the related entry in the security profile from a system.

Introduction to exporting a certificate

The Security Profile Manager also exports certificates to facilitate sending public keys to trading partners and moving certificates from one server to another inside your enterprise.

Note

The importing and exporting of certificates with private keys is intended for use inside this application alone. However, it may work with applications that support PKCS #12.

Security Profile Manager Browser

Introduction

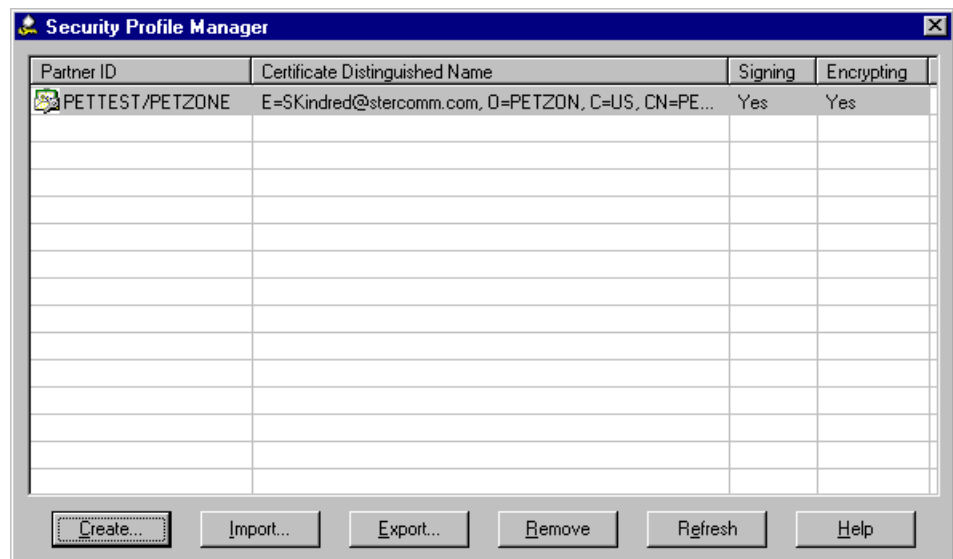
The Security Profile Manager browser enables you to administer the certificates required to encrypt, decrypt, sign, and verify messages as they flow in and out of Sterling Gentran:Server.

Note

The Security Profile Manager only resides on the Sterling Gentran:Server Mailbox Server, and is responsible for managing the certificates *on that machine*. The nature of certificate management makes it impossible to remotely administer these certificates.

Diagram

This illustration shows an example of the Security Profile Manager browser.



Parts and functions

This table describes the parts of the Security Profile Manager browser and their functions.

Part	Function
Partner ID	Lists the partner identifier with which the certificate is associated. Note Only one partner/certificate entry may be selected at a time.
Certificate Distinguished Name	Lists the common name of the certificate.
Signing	Indicates whether the certificate is used for digital signatures. Valid values are Yes and No .

(Contd) Part	Function
Encrypting	Indicates whether the certificate is used for data encryption. Valid values are Yes and No .
Create	<p>Displays the Create Self-Signed Certificate Dialog Box to enable you to create a certificate that is registered and linked to a specified trading partner ID.</p> <p>Note If the Trading Partner ID is an EDI code in the Sterling Gentran:Server Partner_tb database table then the certificate is also linked to the associated partner name.</p>
Import	Displays the Import Certificate Dialog Box to allow you to import a certificate from a trusted certificate authority, a public certificate from a trading partner, or a certificate that you previously exported from the Security Profile Manager.
Export	Displays a message dialog box that enables you to select whether the selected certificate is exported to a PKCS#12 certificate that can be used to propagate a private key between Sterling Gentran:Server communication controllers in your enterprise (click Yes on the message box) or exported to a DER-encoded certificate to be distributed to your trading community and used as a public key (click No on the message box).
Remove	<p>Removes the selected certificate (and removes the entry from the security profile).</p> <p>Note You must confirm the removal prior to its execution.</p>
Refresh	Refreshes the display of the Security Profile Manager to enable the view to reflect work that may be performed on the certificates by other applications.
Help	Accesses the online Help system.

Create Self-Signed Certificate Dialog Box

Introduction The Create Self-Signed Certificate dialog box enables you to create a certificate that is registered and linked to a specified trading partner ID.

Notes

- When you create a self-signed certificate using the Security Profile Manager and when you are creating the information necessary to purchase a certificate, you must be logged onto the system and onto Sterling Gentran:Server using the same User ID and password under which the Sterling Gentran:Server Mailbox service runs. This is necessary because when the certificate is used during decryption or digital signature generation, the private key used for these operations is restricted to the User ID and password that created it.
- If the Trading Partner ID is an EDI code in the Sterling Gentran:Server Partner_tb database table then the certificate is also linked to the associated partner name.

Diagram This illustration shows an example of the Create Self-Signed Certificate dialog box.

Create Self-Signed Certificate

Partner ID:
All certificates are associated with a trading partner ID. Choose or enter the partner ID below.
Partner ID for self-signed certificate:
[Dropdown menu]

Certificate Purpose:
A self-signed certificate can be used for digital signatures, data encryption or both purposes. Select the purpose below.
 Digital signatures
 Data encryption
 Both

Certificate Details:
Enter the details for this self-signed certificate below. This information will be used to identify the certificate.
Common name:
[Text field]
Organization:
[Text field]
Country:
[Text field]
Email address:
[Text field]

OK Cancel Help

Parts and functions

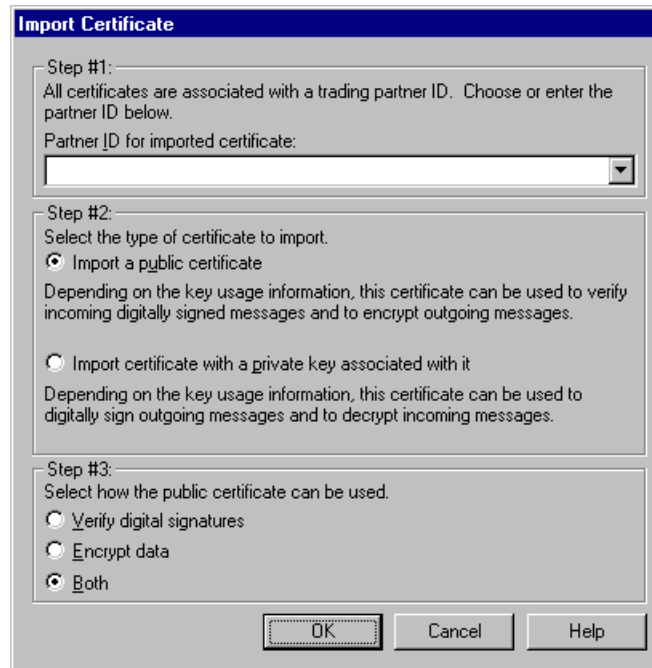
This table describes the parts of the Create Self-Signed Certificate dialog box and their functions.

Part	Function
Partner ID for Self-Signed Certificate	Lists the partner identifier from the Sterling Gentran:Server Partner Editor with which the certificate is associated.
Certificate Purpose	Indicates the purpose of the certificate. Value options are: <ul style="list-style-type: none"> ✦ Digital Signature ✦ Data Encryption ✦ Both
Common Name	Specifies the common name of the certificate.
Organization	Specifies the organization for the certificate.
Country	Specifies the 2-character code of the country where the certificate originated. <p>Example US = United States of America</p>
Email Address	Specifies the contact E-mail address for the certificate.
OK	Saves changes and exits the dialog box. <p>Note The Security Profile Manager prompts you that the self-signed certificate creation was successful (click OK).</p>
Cancel	Exits the dialog box without saving changes. <p>Note The Security Profile Manager prompts you that the self-signed certificate creation was cancelled (click OK).</p>
Help	Accesses the online Help system.

Import Certificate Dialog Box

Introduction The Import Certificate dialog box allows you to import a certificate from a trusted certificate authority, a public certificate from a trading partner, or a certificate that you previously exported from the Security Profile Manager.

Diagram This illustration shows an example of the Import Certificate dialog box.



Parts and functions

This table describes the parts of the Import Certificate dialog box and their functions.

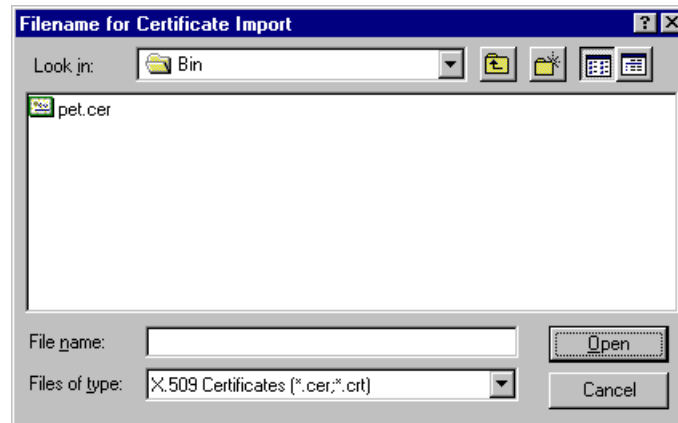
Part	Function
Partner ID for import certificate	Lists the partner identifier from the Sterling Gentran:Server Partner Editor with which the certificate is associated.
Type of certificate to import	Indicates the type of certificate that you are importing. Value options are: <ul style="list-style-type: none"> • Import a public certificate (this is the default) • Import certificate with a private key associated with it <p>Note If you are using Sterling Gentran:Server for RosettaNet on a Windows machine, this option is disabled.</p>

(Contd) Part	Function
Select how the certificate can be use	Specifies the manner in which the certificate can be used. Valid options are: <ul style="list-style-type: none">✦ Verify digital signatures✦ Encrypt data✦ Both Note These options are disabled if you are importing a private certificate.
OK	Saves change and displays the Filename for Certificate Import Dialog Box to allow you to select the certificate to be imported.
Cancel	Exits the dialog box without saving changes. Note The Security Profile Manager prompts you that the self-signed certificate import was cancelled (click OK).
Help	Accesses the online Help system.

Filename for Certificate Import Dialog Box

Introduction The Filename for Certificate Import dialog box allows you to import a certificate from a trusted certificate authority, a public certificate from a trading partner, or a certificate that you previously exported from the Security Profile Manager.

Diagram This illustration shows an example of the Filename for Certificate Import dialog box.



Parts and functions This table describes the parts of the Filename for Certificate Import dialog box and their functions.

Part	Function
Look in	Displays the current folder. Note The default directory for import is the current working directory used by Security Profile Manager.
File name	Displays the name of the file to be imported.
Files of type	Displays the type of file. Note The default file extension for importing a public certificate is .CER or .CRT.
Open	Begins the import process for the selected certificate file.
Cancel	Cancels the action and exits the dialog box.
Help	Displays context-sensitive help information.

Filename for Private Key Certificate Export Dialog Box

Introduction

The Filename for Private Key Certificate Export dialog box allows you to export a certificate to a PKCS #12 certificate that you can then use to propagate a private key between the Sterling Gentran:Server Mailbox Servers in your enterprise.

Diagram

This illustration shows an example of the Filename for Private Key Certificate Export dialog box.



Parts and functions

This table describes the parts of the Filename for Private Key Certificate Export dialog box and their functions.

Part	Function
Save in	Displays the current folder. Note The default directory for export is the current working directory used by Security Profile Manager.
File name	Displays the name of the file to be exported.
Files of type	Displays the type of file. Note The default file extension for private key certificates is .PFX or .P12.
Save	Begins the export process.
Cancel	Exits the dialog box without making a selection.
Help	Displays context-sensitive help information.

Filename for Public Certificate Export Dialog Box

Introduction Filename for Public Certificate Export dialog box allows you to export a certificate to a DER-encoded certificate that you can distribute to your trading community as the public key.

Diagram This illustration shows an example of the Filename for Public Certificate Export dialog box.



Parts and functions This table describes the parts of the Filename for Public Certificate Export dialog box and their functions.

Part	Function
Save in	Displays the current folder. Note The default directory for export is the current working directory used by Security Profile Manager.
File name	Displays the name of the file to be exported.
Files of type	Displays the type of file. Note The default file extension for public certificates is .CER or .CRT.
Save	Begins the export process. System response The system prompts you with a message box asking if you want this certificate to be in DER encoded binary X.509 format (click Yes) or base64 encoded (click No). Click Cancel to cancel the export process entirely.
Cancel	Exits the dialog box without making a selection.

(Contd) Part	Function
Help	Displays context-sensitive help information.

Procedures

How to Create a Self-Signed Certificate

Introduction The Security Profile Manager enables you to create a certificate that is registered and linked to a specified trading partner ID.

Note

If the Trading Partner ID is an EDI code in the Sterling Gentran:Server Partner_tb database table then the certificate is also linked to the associated partner name.

Procedure Use this procedure to create a new self-signed certificate.

Step	Action
1	Verify that you are logged you onto the system and onto Sterling Gentran:Server using the same User ID and password under which the Sterling Gentran:Server Mailbox service runs. Note When you create a self-signed certificate using the Security Profile Manager and when you are creating the information necessary to purchase a certificate, you must be logged onto the system and onto Sterling Gentran:Server using the same User ID and password under which the Sterling Gentran:Server Mailbox service runs. This is necessary because when the certificate is used during decryption or digital signature generation, the private key used for these operations is restricted to the User ID and password that created it.
2	From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console . System Response The system displays the Gentran RosettaNet Management Console.
3	Click Security Profile Manager . System Response The system displays the Security Profile Manager Browser.
4	Click Create . System response The system displays the Create Self-Signed Certificate Dialog Box.
5	From the Partner ID for self-signed certificate list, select the partner identifier from the Sterling Gentran:Server Partner Editor with which the certificate is associated.

(Contd) Step	Action
6	From the Certificate Purpose section, select the option corresponding to the purpose of the certificate.
7	In the Common Name box, type the common name for the certificate.
8	In the Organization box, type the organization name for the certificate.
9	In the Country box, type the 2-character code of the country of the certificate's origin.
10	In the Email address box, type the contact's E-mail address for the certificate.
11	<p>Click OK.</p> <p>System response Saves the certificate information and displays a message box informing you that the creation of the self-signed certificate was successful.</p> <p>Note Click Refresh to refresh the display of the Security Profile Manager to enable the view to reflect work that may be performed on the certificates by other applications.</p>
12	<p>Click OK.</p> <p>System response Exits the dialog box.</p>

How to Delete a Certificate

Procedure Use this procedure to delete a certificate from the local certificate store and from the security profile.

Step	Action
1	<p>From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console.</p> <p>System Response The system displays the Gentran RosettaNet Management Console.</p>
2	<p>Click Security Profile Manager.</p> <p>System Response The system displays the Security Profile Manager Browser.</p>
3	<ul style="list-style-type: none"> ✦ From the list, select a partner ID and ✦ click Remove. <p>System response You are prompted to confirm the delete.</p>
4	<p>Click Yes to confirm the delete.</p> <p>System response If you are attempting to delete a certificate with a private key, the system prompts you to delete the private key.</p>
5	<p>Click Yes to confirm the delete of the private key.</p>

How to Import a Certificate

Introduction

When you import a certificate or create a self-signed certificate, it is associated with a Sterling Gentran:Server EDI code to ensure it uses the appropriate certificate on the documents flowing through the system. To facilitate the process of associating the trading partner ID and the digital certificate, you are presented with a list of existing partners and the EDI code for that partner. If you want to associate a certificate with a trading partner ID not associated with a partner in your system, you can type in the trading partner ID you desire.

Note

The importing certificates with private keys is intended for use inside this application alone. However, it may work with applications that support PKCS #12.

Procedure

Use this procedure to import a certificate.

Step	Action
1	From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console . System Response The system displays the Gentran RosettaNet Management Console.
2	Click Security Profile Manager . System Response The system displays the Security Profile Manager Browser.
3	Click Import . System response The system displays the Import Certificate Dialog Box.
4	From the Partner ID for imported certificate list, select the partner identifier from the Sterling Gentran:Server Partner Editor with which the certificate is associated.
5	From the Select the type of certificate to import section, select the option for the type of certificate that you are importing.
6	Are you importing a public certificate? <ul style="list-style-type: none"> • If <i>yes</i>, from the Select how the public certificate can be used section, select the manner in which the certificate can be used and continue with the next step. • If <i>no</i>, continue with the next step.

(Contd) Step	Action
7	Click OK . System response The system saves the information and displays the Filename for Certificate Import Dialog Box.
8	Select the location of the certificate by <ul style="list-style-type: none">▶ selecting it from the Look in list or▶ typing it in the File name box.
9	Click Open . System response The system confirms that the import is complete.
10	Click OK to complete the import process. Note The certificate is registered with the selected partner ID and the function or functions you specified that the certificate will perform.

How to Export a Certificate

Introduction This function enables you to export certificate information.

Procedure Use this procedure to export a certificate.

Step	Action
1	<p>From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console.</p> <p>System Response The system displays the Gentran RosettaNet Management Console.</p>
2	<p>Click Security Profile Manager.</p> <p>System Response The system displays the Security Profile Manager Browser.</p>
3	<ul style="list-style-type: none"> ✦ Select the certificate you wish to export and ✦ click Export. <p>System response The system displays a message dialog box that enables you to select whether the certificate is exported to a PKCS#12 certificate that can be used to propagate a private key between Sterling Gentran:Server communication controllers in your enterprise or exported to a DER-encoded certificate to be distributed to your trading community and used as a public key.</p>
4	<p>Do you want the selected certificate is exported to a PKCS#12 certificate that can be used to propagate a private key between Sterling Gentran:Server communication controllers in your enterprise?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, click Yes on the message box and continue with the next step. <p>System response The system displays the Filename for Private Key Certificate Export Dialog Box.</p> <ul style="list-style-type: none"> ✦ If <i>no</i> (you want the certificate to be exported to a DER-encoded certificate to be distributed to your trading community and used as a public key), click No on the message box and continue with step 8. <p>System response The system displays the Filename for Public Certificate Export Dialog Box.</p> <ul style="list-style-type: none"> ✦ If you want to cancel the export process, click Cancel.

(Contd) Step	Action
5	Name the export file by <ul style="list-style-type: none"> ✦ selecting it from the Look in list or ✦ typing it in the File name box. Note The system automatically prompts you with the .PFX or .P12 extension.
6	Click Save to export the certificate. System response The system confirms that the export is complete.
7	Click OK to complete the export process.
8	Name the export file by <ul style="list-style-type: none"> ✦ selecting it from the Look in list or ✦ typing it in the File name box. Note The system automatically prompts you with the .CER or .CRT extension.
9	Click Save to export the certificate. System response The system prompts you with a message box asking if you want this certificate to be in DER encoded binary X.509 format or base64 encoded.
10	Do you want this certificate to be in DER encoded binary X.509 format? <ul style="list-style-type: none"> ✦ If <i>yes</i>, click Yes and continue with the next step. System response The system confirms that the export is complete. <ul style="list-style-type: none"> ✦ If <i>no</i> (you want the certificate to be base64 encoded), click No and continue with the next step. System response The system confirms that the export is complete. <ul style="list-style-type: none"> ✦ Click Cancel to cancel the export process entirely.
11	Click OK to complete the export process.

How to Create the RosettaNet Mailbox for Each Outbound Trading Partner

Introduction You must create a RosettaNet gateway mailbox for the system to use to send outbound RosettaNet messages.

Procedure Use this procedure to create a RosettaNet mailbox to send outbound messages.

Step	Action
1	<p>On your communications controller, start the Mailbox Server Manager.</p> <p>System Response The system displays the Server Manager browser.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information on the Mailbox Server Manager.</p>
2	Expand the Mailbox Server directory tree for your controller.
3	<p>Right-click the Mailboxes folder icon and select Create from the shortcut menu.</p> <p>System Response The system displays the Create Mailbox Wizard.</p>
4	<p>Type the name of the mailbox you are creating, and click Next twice.</p> <p>System Response The system asks you whether you want to use the mailbox as a gateway.</p>
5	Select the Yes, use this mailbox as a gateway option.
6	<p>From the list, select HTTP Gateway and click Next.</p> <p>System Response The system displays a summary dialog box.</p>
7	<p>Click Finish.</p> <p>System Response The system displays the appropriate dialog box for the gateway you selected.</p>

(Contd) Step	Action
8	<p>Make any necessary configuration changes and click OK to exit the dialog box.</p> <p>Note This mailbox should send messages and you should specify a destination URL.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows HTTP Gateway Configuration Guide</i> for more information.</p>
9	<p>Right-click the new mailbox and select Properties.</p> <p>System response The system displays the Mailbox Properties dialog box.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
10	<p>Click the Delivery Rules tab.</p> <p>System response The system displays the Delivery Rules options.</p>
11	<p>Click New.</p> <p>System response The system displays the New Delivery Rule dialog box.</p>
12	<p>In the Rule name box, type the name of the delivery rule.</p>
13	<p>From the Run this rule list, select Receiving.</p>
14	<p>From the Using the list, select RosettaNet Agent.</p>
15	<p>In the with command line box, type outbound and click OK.</p> <p>System response The system saves the rule and return to the Delivery Rules tab of the Mailbox Properties dialog box.</p>
16	<p>Click OK.</p> <p>System response The system exits the Mailbox Properties dialog box.</p>

How to Implement Optional Features on Outbound Mailboxes

Turning off base64 encoding for RNIF2.0 messages

By default, all XML data in outbound RNIF 2.0 messages are base64 encoded when sent. You can turn off this encoding (so the data is readable) by adding a delivery rule parameter to each outbound mailbox that you want affected.

After turning off the base64 encoding, the XML data will be in UTF-8 format (instead of UTF-16) and 7-bit encoded (instead of base64), similar to how RNIF 1.1 messages are formatted. Because 7-bit is the default encoding format for MIME, the "Content-Transfer-Encoding" MIME header field will not be included in the outbound message.

Procedure

Use this procedure to turn off base64 encoding for RNIF 2.0 messages on outbound mailboxes. Complete this procedure for each mailbox for which you want base64 encoding turned off.

Step	Action
1	<p>Right-click the mailbox and select Properties.</p> <p>System response The system displays the Mailbox Properties dialog box.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
2	<p>Click the Delivery Rules tab.</p> <p>System response The system displays the Delivery Rules options.</p>
3	<p>Click Edit.</p> <p>System response The system displays the Edit Delivery Rule dialog box.</p>
4	<p>In the with command line box after outbound, type no-base64 (preceded by a space) and click OK.</p> <p>System response The system saves the rule and return to the Delivery Rules tab of the Mailbox Properties dialog box.</p>
5	<p>Click OK.</p> <p>System response The system exits the Mailbox Properties dialog box.</p>

Adding MIME-Version tag to RNIF 1.1 messages

Some RosettaNet solution providers are incorrectly requiring a special MIME header field ("MIME-Version: 1.0") in RNIF 1.1 messages. HTTP is not MIME compliant so it is incorrect to use the MIME Version number tag on HTTP messages.

If the solution provider of your trading partner does not change the requirement, you can opt to add this MIME tag to the outbound RNIF 1.1 messages to this trading partner. To activate this feature, you need to add a delivery rule parameter to the outbound mailbox for that trading partner.

Procedure

Use this procedure to add MIME-version tag to RNIF 1.1 messages on outbound mailboxes. Complete this procedure for each mailbox for which you want to have the MIME-version tag added.

Step	Action
1	<p>Right-click the new mailbox and click Properties.</p> <p>System response The system displays the Mailbox Properties dialog box.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
2	<p>Click the Delivery Rules tab.</p> <p>System response The system displays the Delivery Rules options.</p>
3	<p>Click Edit.</p> <p>System response The system displays the New Delivery Rule dialog box.</p>
4	<p>In the with command line box after outbound, type mime-version (preceded by a space) and click OK.</p> <p>System response The system saves the rule and return to the Delivery Rules tab of the Mailbox Properties dialog box.</p>
5	<p>Click OK.</p> <p>System response The system exits the Mailbox Properties dialog box.</p>

How to Create the RosettaNet Mailboxes for Inbound RNIF 1.1/2.0

Introduction You must create a RosettaNet gateway mailbox for the system to use to receive inbound RosettaNet messages. If you are receiving both RNIF 1.1 and RNIF 2.0 messages, you must create one mailbox for each RosettaNet version.

Procedure Use this procedure to create a RosettaNet mailbox to receive inbound messages.

Step	Action
1	<p>On your communications controller, start the Mailbox Server Manager.</p> <p>System Response The system displays the Server Manager browser.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information on the Mailbox Server Manager.</p>
2	Expand the Mailbox Server directory tree for your controller.
3	<p>Right-click the Mailboxes folder icon and select Create from the shortcut menu.</p> <p>System Response The system displays the Create Mailbox Wizard.</p>
4	<p>Type the name of the mailbox you are creating, and click Next twice.</p> <p>System Response The system asks you whether you want to use the mailbox as a gateway.</p>
5	Select the Yes, use this mailbox as a gateway option.
6	<p>From the list, select HTTP Gateway and click Next.</p> <p>System Response The system displays a summary dialog box.</p>
7	<p>Click Finish.</p> <p>System Response The system displays the dialog box for the gateway you selected.</p>

(Contd) Step	Action
8	<p>Make any necessary configuration changes and click OK to exit the dialog box.</p> <p>References</p> <ul style="list-style-type: none"> ✦ See <i>RNIF 1.1 inbound</i> on page 4 - 5 and <i>RNIF 2.0 inbound</i> on page 4 - 6 for more information. ✦ See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows HTTP Gateway Configuration Guide</i> for more information.
9	<p>Right-click the new mailbox and click Properties.</p> <p>System response The system displays the Mailbox Properties dialog box.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information.</p>
10	<p>Click the Delivery Rules tab.</p> <p>System response The system displays the Delivery Rules options.</p>
11	<p>Click New.</p> <p>System response The system displays the New Delivery Rule dialog box.</p>
12	<p>In the Rule name box, type the name of the delivery rule.</p>
13	<p>From the Run this rule list, select Sending.</p>
14	<p>From the Using the list, select RosettaNet Agent.</p>
15	<p>In the with command line box, type inbound and click OK.</p> <p>System response The system saves the rule and return to the Delivery Rules tab of the Mailbox Properties dialog box.</p>
16	<p>Click OK.</p> <p>System response The system exits the Mailbox Properties dialog box.</p>



Using the PIP Profiler

Contents	Overview.....5 - 2
	✦ Introduction..... 5 - 2
	✦ PIP Profiler Browser..... 5 - 5
	✦ New Profile Dialog Box..... 5 - 11
	✦ Document Properties Dialog Box..... 5 - 13
	✦ Open Dialog Box..... 5 - 15
	✦ Save As Dialog Box..... 5 - 16
	Procedures.....5 - 17
	✦ How to Create a New PIP Profile..... 5 - 17
	✦ How to Edit PIP Profile Information..... 5 - 20
	✦ How to Revert to the Default RosettaNet PIP Profile..... 5 - 22
	✦ How to Delete a PIP Profile..... 5 - 23
	✦ How to Import a PIP profile..... 5 - 24
	✦ How to Export a PIP profile..... 5 - 25

Overview

Introduction

In this chapter

This chapter explains how to use the Sterling Gentran:Server for RosettaNet PIP Profiler.

Notes

- For Sterling Gentran:Server for RosettaNet version 5.3, the PIP Profiler enhances and replaces the PIP Decision Editor from previous releases.
- The XML standards (formerly Sterling Gentran:Server for RosettaNet standards) must be installed before you are able to use the PIP Profiler. The XML standards are available on a separate CD.

What is a PIP profile?

A PIP definition is the RosettaNet-defined set of properties that identify a PIP. A PIP profile is the addition of your individual specifications to a RosettaNet PIP. Thus, a PIP profile includes:

- the partner identity
- your role and the role of the partner with whom the PIP is exchanged
- PIP Name
- PIP version
- RNIF version
- the sequenced messages that make up the process

What is the PIP Profiler?

The PIP Profiler is a component of Sterling Gentran:Server for RosettaNet that enables you to set up PIP profiles for RosettaNet processing, and thus set business rules by which PIPs will be executed and monitored with your trading community.

The PIP Profiler enables you to modify PIP properties from predefined RosettaNet PIP definitions (in the PIPDef_tb database table). The PIP Profiler then uses this information to populate the PIPProfile_tb database table after you update it to meet your business needs.

Note

If you select “Any” for a profile, then any trading partner can trade that PIP under this profile. If the same version of the same PIP has two profiles, one for “Any” and the other for a specific partner, the specific partner profile takes precedence.

Reference

See *Sterling Gentran:Server for RosettaNet Database Table Layouts* on page A - 1 for more information about the PIPProfile_tb database table.

Setting up PIP profiles

You must use the PIP Profiler to create the profile for each PIP you exchange with your trading partners.

PIP Profiler functions

The PIP Profiler enables you to set up PIP profile properties according to your RosettaNet processing needs. You can specify:

- ✦ the partner identity
- ✦ your role and the role of the partner with whom the PIP is exchanged
- ✦ PIP Name
- ✦ PIP version
- ✦ RNIF version
- ✦ the sequenced messages that make up the process

For each message you can specify the following:

- ✦ global business code
- ✦ sequence number of another message in the PIP on which this message depends and to which this message refers
- ✦ whether this is the last message in a PIP
- ✦ whether a digital signature is used
- ✦ number of retries
- ✦ direction of message
- ✦ message time-out threshold
- ✦ message warning threshold
- ✦ encryption content (i.e., none, payload, payload container)
- ✦ encryption algorithm

The PIP Profiler also enables you to:

- ✦ Revert to a previously saved version of a PIP profile.
 - ✦ Delete a PIP profile.
-

Components

This table describes the PIP Profiler components.

Part	Function
PIP Profiler browser	Enables you to: <ul style="list-style-type: none"> ✦ Use a RosettaNet- or user-defined PIP as a template to create a profile for each PIP exchanged with your trading partners. ✦ Modify and save your PIP profiles. ✦ Import PIP profiles. ✦ Export PIP profiles. ✦ Delete PIP profiles.
New Profile dialog box	Enables you to specify: <ul style="list-style-type: none"> ✦ partner name ✦ role ✦ PIP name ✦ PIP version ✦ RNIF version
Document Properties dialog box	Enables you to: <ul style="list-style-type: none"> ✦ View the properties of a selected message. ✦ Add a message to the PIP sequence and designate properties for that message. ✦ Modify properties for a selected message.

PIP Profiler Browser

Introduction

You use the PIP Profiler browser to create PIP profiles for RosettaNet processing.

Note

For ease of use, the PIP Profiler allows you to access its functions from menus and a toolbar/button bar (you can toggle the display of the toolbar and button bar).

Sequence of PIP messages

The PIP Profiler browser enables you to select a specific Partner, PIP, PIP version, and role combination, and Sterling Gentrans:Server for RosettaNet displays a default list of sequenced messages for the selected PIP. The steps listed include the following information:

- the sequence of messages in the PIP,
 - the time allowed for each message to process,
 - the step number of a message that must complete successfully before the selected message can be sent,
 - the direction of the message (sending or receiving),
 - the number of times the system will attempt to send the message, and
 - whether the message is the last step in the PIP.
-

How to access

From the Start menu select **Programs\Gentrans Server\Gentrans RosettaNet Management Console** and then click **PIP Profiler**.

Diagram This diagram illustrates the PIP Profiler browser.






The screenshot shows the 'Gentran:Server for RosettaNet - PIP Profiler' window. It contains two tables. The top table lists partner information, and the bottom table shows a process flow with steps, global business codes, timeouts, warnings, and directions.


Partner	Our Role	PIP Name	PIP Version	RNIF Version
Internal System User	Responding	1A1	B01.00A	1.1
PETZONE	Initiating	3A4	1.4	V02.00
Wolfgang Publishing	Responding	3A4	R02.00	V02.00






Step	Global Business Code	Timeout/Action	Warning	From Step	Direction	Numb
1	Purchase Order Request Action	INITIATING		0	Receiving	3
2	Receipt Acknowledge	2 hours		1	Sending	0
3	Purchase Order Confirmation Action	24 hours		1	Sending	3
4	Receipt Acknowledge	2 hours		3	Receiving	0

Parts and functions

This table lists the parts of the PIP Profiler browser and their functions.

Part	Function
File menu	Enables you to: <ul style="list-style-type: none"> ✦ Create a new profile. ✦ Delete selected PIP profiles. ✦ Save a profile. ✦ Export a profile. ✦ Import a profile. ✦ Exit the PIP Profiler.
Edit menu	Enables you to: <ul style="list-style-type: none"> ✦ Insert a new message. ✦ Edit a message. ✦ Remove a message. ✦ Undo to last save. ✦ Reload the default PIP profile.
View menu	Enables you to: <ul style="list-style-type: none"> ✦ Toggle between buttons and a toolbar. ✦ Toggle display of the status bar.
Help menu	Enables you to access help and information about the PIP Profiler.
New 	Displays the New Profile Dialog Box, which allows you to add a new PIP profile.
Delete 	Deletes the selected PIP profile. Note The delete function prompts you for confirmation.
Save 	Saves the selected PIP profile. Note This button is only valid if the selected PIP profile has been modified or newly created.
Import 	Displays the Open Dialog Box, which allows you to import a PIP profile.
Export 	Displays the Save As Dialog Box, which allows you to export a PIP profile.

(Contd) Part	Function
Help 	Accesses context-sensitive help.
(upper pane)	Lists the PIP profiles.
Partner	Specifies the name of the trading partner. Note The Partner list contains the names of trading partners that have partner profiles completed through the Partner Editor. You can not create a PIP profile for trading partners that do not have a partner profile. Reference See <i>Using Partner Editor with Sterling Gentran:Server for RosettaNet</i> on page 2 - 1 for more information about the Partner Editor.
Our Role	Specifies whether you are initiating this PIP or responding to a PIP initiated by your trading partner.
PIP Name	Specifies the RosettaNet-defined PIP identification number. Reference Access the www.Rosettanet.org URL for information about specific RosettaNet PIPs.
PIP Version	Specifies the RosettaNet-defined version number of the PIP.
RNIF Version	Specifies the version of the RNIF.
(lower pane)	Contains the sequence of messages in the PIP. Note Sterling Gentran:Server for RosettaNet does not display the sequenced list until you select a partner from the upper pane.

(Contd) Part	Function
Insert 	<p>Accesses the Document Properties Dialog Box, which enables you to add a message to the existing sequence of messages for this PIP, and define the properties for that message.</p> <p>Note When you add a message to the PIP sequence, Sterling Gentran:Server for RosettaNet rennumbers the sequence steps according to the order specified through the Document Properties dialog box.</p>
Edit 	<p>Accesses the Document Properties Dialog Box, which enables you to view or modify the properties for the selected message.</p>
Remove 	<p>Deletes the selected message from the sequence list.</p> <p>Note When you delete a message from the sequence list, Sterling Gentran:Server for RosettaNet rennumbers the steps according to the order specified through the Document Properties Dialog Box.</p>
Undo all 	<p>Cancels any changes made since the last time the PIP sequence was saved, and reverts to the previously saved sequence.</p>
Default 	<p>Replaces the current sequence with the default RosettaNet-defined message sequence for the selected PIP, regardless of any changes you may have made.</p> <p>Notes</p> <ul style="list-style-type: none"> • The system displays a message to warn you that loading the default sequence replaces the message list. • Sterling Gentran:Server for RosettaNet stores default PIP information in the PIPProfile_tb database table. <p>Reference See <i>Sterling Gentran:Server for RosettaNet Database Table Layouts</i> on page A - 1 for more information about the PIPProfile_tb database table.</p>
Step	<p>Indicates the processing order of the messages in the list.</p>

(Contd) Part	Function
Global Business Code	Specifies a RosettaNet-defined message name. Examples Purchase Order Request Action Receipt Acknowledge
Timeout/Action	Specifies the length of time allowed for this message to be sent, or the action of the message.
Warning	Specifies the warning threshold for this message.
From step	Specifies the sequence number of another message in the PIP on which this message depends and to which this message refers.
Direction	Specifies whether you are sending or receiving this message.
Number of Retries	Specifies the number of times the system will attempt to send this message.
Last Step	Specifies whether this message is the last step in the process.
Encryption Content	Specifies the encryption content. Valid values are: <ul style="list-style-type: none"> ✦ none ✦ Payload ✦ Payload Container
Encryption Algorithm	Specifies the algorithm for encryption. Valid values are: <ul style="list-style-type: none"> ✦ TripleDES ✦ RC2
Signature	Indicates (if checked) that a digital signature is used with this message.

New Profile Dialog Box

Introduction The New Profile dialog box enables you to create a new PIP Profile.

Diagram This diagram illustrates the New Profile dialog box.

Parts and functions This table lists the parts of the New Profile dialog box and their functions.

Part	Function
Partner Name	<p>Specifies the name of the trading partner.</p> <p>Notes</p> <ul style="list-style-type: none"> • The Partner list contains the names of trading partners that have partner profiles completed through the Partner Editor. You can not create a PIP profile for trading partners that do not have a partner profile in Sterling Gentran:Server. • If you select “Any,” this profile may be used with any partner. If the same version of the same PIP has two profiles, one for “Any” and the other for a specific partner, the specific partner profile takes precedence. <p>Reference</p> <p>See <i>Using Partner Editor with Sterling Gentran:Server for RosettaNet</i> on page 2 - 1 for more information about the Partner Editor.</p>
Our Role	<p>Specifies whether you are initiating this PIP or responding to a PIP initiated by your trading partner.</p>

(Contd)Part	Function
PIP Name	Specifies the RosettaNet-defined PIP identification number. Reference Access the www.Rosettanet.org URL for information about specific RosettaNet PIPs.
PIP Version	Specifies the RosettaNet-defined version number of the PIP. Note The versions in this list depend on which PIP Name you selected.
RNIF Version	Specifies the version of the RNIF. Valid values are: <ul style="list-style-type: none">• 1.1• V02.00
OK	Saves changes and exits the dialog box.
Cancel	Exits the dialog box without saving changes.
Help	Accesses context-sensitive help.

Document Properties Dialog Box

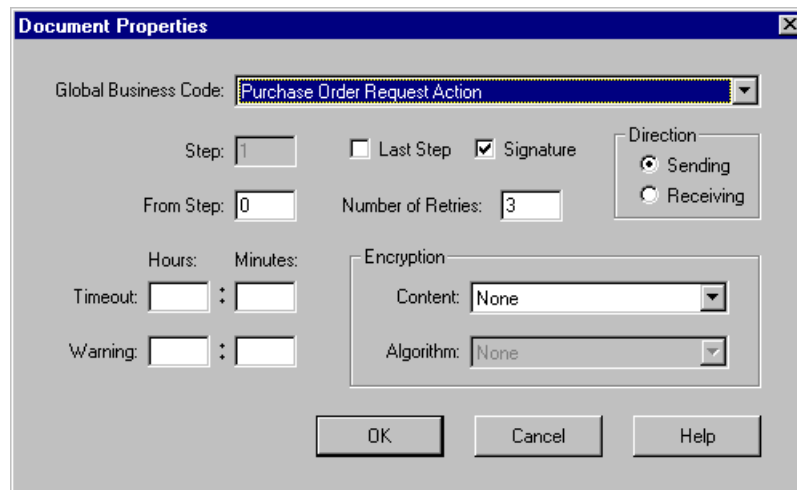
Introduction

The Document Properties dialog box enables you to:

- ✦ view the properties of a selected message,
- ✦ add a message to the PIP sequence and designate properties for that message, and
- ✦ modify properties for a selected message.

Diagram

This diagram illustrates the Document Properties dialog box.



Parts and functions

This table lists the parts of the Document Properties dialog box and their functions.

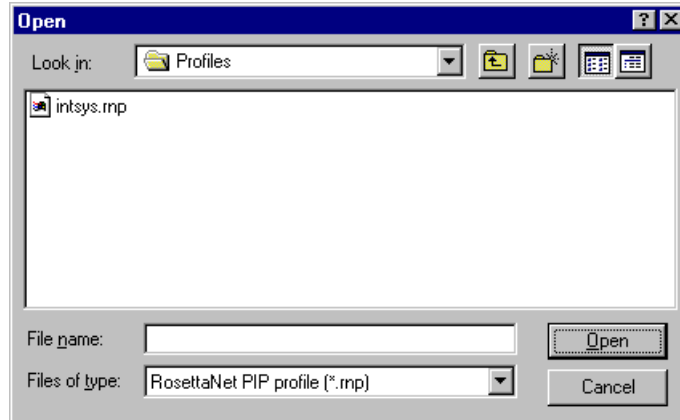
Part	Function
Global Business Code	Specifies the RosettaNet-defined message name. Examples Purchase Order Request Action Receipt Acknowledge
Step	Specifies the sequence number indicating the processing order of this message in the PIP.
Last Step	Indicates whether this message is the last step in the PIP process.
From Step	Specifies the sequence number of another message in the PIP on which this message depends and to which this message refers.

(Contd) Part	Function
Number of Retries	Specifies the number of times the system will attempt to send this message.
Signature	Indicates (if checked) that a digital signature is used with this message.
Direction	Specifies whether you are sending or receiving this message.
Timeout	Specifies the length of time by which the message must be sent in number of hours and minutes.
Warning	Specifies the length of time by which a warning must be sent if a message is approaching a point of error, in number of hours and minutes.
Content	<p>Specifies the encryption content. Valid values are:</p> <ul style="list-style-type: none"> ✦ none ✦ Payload ✦ Payload Container <p>Note This list is unavailable if you are using RNIF version 1.1.</p>
Algorithm	<p>Specifies the algorithm for encryption. Valid values are:</p> <ul style="list-style-type: none"> ✦ TripleDES ✦ RC2 <p>Notes</p> <ul style="list-style-type: none"> ✦ This list is unavailable if you select “none” in the Encryption Content list. ✦ This list is unavailable if you are using RNIF version 1.1. ✦ The direction of the message is “Receiving.”
OK	Saves changes and exits the dialog box.
Cancel	Exits the dialog box without saving changes.
Help	Accesses context-sensitive help.

Open Dialog Box

Introduction The Open dialog box enables you to import a PIP profile into the PIP Profiler.

Diagram This diagram illustrates the Open dialog box.



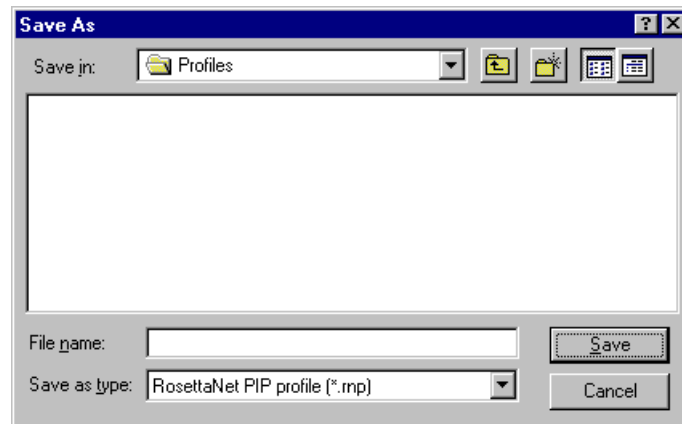
Parts and functions This table lists the parts of the Open dialog box and their functions.

Part	Function
Look in	Displays the current folder. Note The default directory for RosettaNet PIP profile imports is GENSrvNT\RosettaNet\Profiles.
File name	Displays the name of the file to be imported.
Files of type	Displays the type of file. Note The default file extension for PIP profiles is .RNP.
Open	Begins the import process for the selected PIP profile.
Cancel	Cancel the action and exits the dialog box.
Help	Displays context-sensitive help information.

Save As Dialog Box

Introduction The Save As dialog box enables you to export a PIP profile.

Diagram This diagram illustrates the Save As dialog box.



Parts and functions

This table lists the parts of the Save As dialog box and their functions.

Part	Function
Save in	Displays the current folder. Note The default directory for RosettaNet PIP profile exports is GENSrvNT\RosettaNet\Profiles.
File name	Displays the name of the file to be exported.
Files of type	Displays the type of file. Note The default file extension for PIP profiles is .RNP.
Save	Begins the export process.
Cancel	Exits the dialog box without making a selection.
Help	Displays context-sensitive help information.

Procedures

How to Create a New PIP Profile

Introduction You must use the PIP Profiler to create a PIP profile for each PIP you exchange with your trading partners. You can create either RosettaNet-defined PIP profiles or PIP profiles that you previously created.

Note

Before you create a PIP profile, you must first create a partner profile for the partner with whom you are exchanging the PIP (if you have not already done so).

Reference

See *Using Partner Editor with Sterling Gentran:Server for RosettaNet* on page 2 - 1 for more information about creating partner profiles with the Sterling Gentran:Server Partner Editor.

Procedure Use this procedure to create a new PIP profile.

Step	Action
1	From the Start Menu select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Profiler . System Response The system displays the PIP Profiler Browser.
2	Click New . System Response The system displays the New Profile Dialog Box.
3	From the Partner list, select the name of the trading partner with whom this PIP will be exchanged, or select "Any" if you want this profile to be available for use with all trading partners. Note The Partner list contains the names of trading partners that have partner profiles completed through the Partner Editor. You can not create a PIP profile for trading partners that do not have a partner profile.
4	From the Our Role list, select your role (whether you are initiating or receiving the PIP).

(Contd) Step	Action
5	<p>From the PIP Name list, select the identifying number of the PIP you want to use as a template for creating the PIP profile.</p> <p>Reference Access the www.Rosettanet.org URL for information about specific RosettaNet PIPs.</p>
6	<p>From the PIP Version list, select the appropriate version of the specified PIP.</p>
7	<p>Select the appropriate RNIF version.</p>
8	<p>Click OK to create the profile.</p> <p>System response The system returns you to the PIP Profiler Browser.</p>
9	<p>Do you want to modify any of the messages in the list (lower pane)?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, double-click the message you want to modify. <p>System Response The system displays the Document Properties Dialog Box for the message you selected.</p> <ul style="list-style-type: none"> ✦ If <i>no</i>, continue with step 12.
10	<p>Modify the desired message properties and click OK.</p> <p>System Response The system saves the properties of the message, exits the Document Properties dialog box, and displays the PIP Profiler Browser. The lower pane is now populated with information from the PIPDef_tb database table, which you can create as needed.</p>
11	<p>Do you want to modify additional messages?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, repeat steps 9 through 10. ✦ If <i>no</i>, continue with the next step.
12	<p>Do you want to add any messages to the list?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, click Insert. <p>System Response The system displays the Document Properties Dialog Box.</p> <ul style="list-style-type: none"> ✦ If <i>no</i>, continue with step 15.

(Contd) Step	Action
13	<p>Select the desired properties for the new message and click OK.</p> <p>System Response The system saves the properties of the new message, exits the Document Properties dialog box, and displays the PIP Profiler browser with the new message in the list. The system renumbers the sequence of the messages according to the placement of the messages you add.</p>
14	<p>Do you want to add any additional messages to the list?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, repeat steps 12 through 13. ✦ If <i>no</i>, continue with the next step.
15	<p>Do you want to delete any messages from the sequence for this PIP?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, select the message you want to delete and click Remove. <p>System Response The system may prompt you that deleting this message will break the links between this step and the dependent steps. Click Yes to delete the message or No to cancel the delete operation. If you click Yes, the system deletes the selected message from the list and renumbers the message sequence accordingly.</p> <ul style="list-style-type: none"> ✦ If <i>no</i>, continue with the next step.
16	<p>Do you want to delete any additional messages from the sequence for this PIP?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, repeat step 15. ✦ If <i>no</i>, continue with the next step. <p>Note If you delete or change something by mistake, prior to saving the PIP Profile, click Undo all to cancel any changes made since the last time the PIP sequence was saved, and revert to the previously saved sequence.</p>
17	<p>Click Save to save the properties for the selected PIP profile.</p>

How to Edit PIP Profile Information

Procedure Use this procedure to edit PIP profile information.

Step	Action
1	From the Start Menu select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Profiler . System Response The system displays the PIP Profiler Browser.
2	From the upper pane, select the PIP profile you want to modify and then select the step you want to modify in the lower pane and click Edit . System Response The system displays the Document Properties Dialog Box for the message you selected.
3	Modify the desired message properties and click OK . System Response The system saves the properties of the message, exits the Document Properties dialog box, and displays the PIP Profiler Browser.
4	Do you want to modify additional messages? <ul style="list-style-type: none"> ✦ If <i>yes</i>, repeat steps 2 through 3. ✦ If <i>no</i>, continue with the next step.
5	Do you want to add any messages to the list? <ul style="list-style-type: none"> ✦ If <i>yes</i>, click Insert. System Response The system displays the Document Properties Dialog Box. <ul style="list-style-type: none"> ✦ If <i>no</i>, continue with step 7.
6	Select the desired properties for the new message and click OK . System Response The system saves the properties of the new message, exits the Document Properties dialog box, and displays the PIP Profiler browser with the new message in the list. The system renumbers the sequence of the messages according to the placement of the messages you add.
7	Do you want to add any additional messages to the list? <ul style="list-style-type: none"> ✦ If <i>yes</i>, repeat steps 5 through 6. ✦ If <i>no</i>, continue with the next step.

(Contd) Step	Action
8	<p>Do you want to delete any messages from the sequence for this PIP?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, select the message you want to delete and click Remove. <p>System Response The system prompts you that deleting this message will break the links between this step and the dependent steps. Click Yes to delete the message or No to cancel the delete operation. If you click Yes, the system deletes the selected message from the list and renumbers the message sequence accordingly.</p> <ul style="list-style-type: none"> ✦ If <i>no</i>, continue with the next step.
9	<p>Do you want to delete any additional messages from the sequence for this PIP?</p> <ul style="list-style-type: none"> ✦ If <i>yes</i>, repeat step 8. ✦ If <i>no</i>, continue with the next step. <p>Note If you delete or change something by mistake, prior to saving the PIP Profile, click Undo all to cancel any changes made since the last time the PIP sequence was saved, and revert to the previously saved sequence. The system will ask you if you want to load the last saved version of the PIP profile from the database (click Yes).</p>
10	Click Save to save the properties for the selected PIP profile.

How to Revert to the Default RosettaNet PIP Profile

Introduction The PIP Profiler enables you to change a PIP profile back to the default RosettaNet properties. You may want to use this function if you need to correct an error made while customizing the PIP, such as accidentally deleting a message from the sequence.

Procedure Use this procedure to revert to the default RosettaNet PIP profile.

Step	Action
1	From the Start Menu select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Profiler . System Response The system displays the PIP Profiler Browser.
2	From the upper pane, select the appropriate PIP profile.
3	Click Default . System Response The system asks you to be certain you want to load the default list from the database, as this will overwrite anything you created.
4	Click Yes . System Response The system replaces the message list with the default RosettaNet sequence for the selected PIP.
5	Click Save to save the properties for the selected PIP profile.

How to Delete a PIP Profile

Introduction

The PIP Profiler enables you to delete a PIP profile. You may want to delete a PIP profile for either of the following reasons:

- ✦ You no longer exchange messages with this trading partner.
- ✦ You no longer need to define properties for a specific PIP because your processing requirements changed.

Note

When you use this function, it only removes the PIP profile from the system—the default RosettaNet PIP definition is not deleted.

Procedure

Use this procedure to delete a PIP profile.

Step	Action
1	<p>From the Start Menu select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Profiler.</p> <p>System Response The system displays the PIP Profiler Browser.</p>
2	From the upper pane, select the appropriate PIP profile.
3	<p>Click Delete.</p> <p>System Response The system asks you to be certain you want to delete the PIP profile.</p>
4	<p>Click Yes.</p> <p>System Response The system deletes the PIP profile from the PIPProfile_tb database table.</p> <p>Reference See <i>Sterling Gentran:Server for RosettaNet Database Table Layouts</i> on page A - 1 for more information about the PIPProfile_tb database table.</p>

How to Import a PIP profile

Introduction This function enables you to import a PIP Profile. You must have already exported a PIP profile to use this function.

Note

This function facilitates moving from test to production environments.

Procedure Use this procedure to import a PIP profile.

Step	Action
1	From the Start Menu select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Profiler . System Response The system displays the PIP Profiler Browser.
2	Click Import . System response The system displays the Open Dialog Box.
3	Select the location of the PIP profile by <ul style="list-style-type: none"> ✦ selecting it from the Look in list or ✦ typing it in the File name box. Notes <ul style="list-style-type: none"> ✦ The default directory for RosettaNet PIP profile imports is GENSRVNT\RosettaNet\Profiles. ✦ The default file extension for RosettaNet PIP profiles is .RNP.
4	Click Open . System response The system confirms that the import is complete.
5	Click OK to complete the import process.

How to Export a PIP profile

Introduction This function enables you to export a PIP profile.

Note

This function facilitates moving from test to production environments.

Procedure Use this procedure to export a PIP profile.

Step	Action
1	From the Start Menu select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Profiler . System Response The system displays the PIP Profiler Browser.
2	<ul style="list-style-type: none"> ✦ From the upper pane, select the PIP profile you wish to export and ✦ click Export. System response The system displays the Save As Dialog Box.
3	Name the export file by selecting the location and typing the name in which you want to save the PIP profile in the Save in box. Notes <ul style="list-style-type: none"> ✦ The system automatically prompts you with the .RNP extension. ✦ The default directory for RosettaNet PIP profile exports is GENSrvNT\RosettaNet\Profiles.
4	Click Save to export the PIP profile. System response The system confirms that the export is complete.
5	Click OK to complete the export process.

Using the PIP Instance Viewer

Contents	Overview.....6 - 2
	➤ Introduction..... 6 - 2
	➤ PIP Instance Viewer Browser..... 6 - 4
	Procedures.....6 - 11
	➤ How to View PIP Instance Details..... 6 - 11
	➤ How to Delete a PIP or Document..... 6 - 12

Overview

Introduction

In this chapter This chapter explains how to use the PIP Instance Viewer.

What is a PIP instance? A PIP instance is any RosettaNet message that is processed by the Sterling Gentran:Server for RosettaNet.

What is the PIP Instance Viewer? This is the PIP Instance Viewer, which is a component of Sterling Gentran:Server for RosettaNet that allows you to view all the RosettaNet documents and the details that were in the Preamble, Delivery Header (for RNIF 2.0 messages only), and Service Header of the message. This allows you to see the completeness of PIPs as well as their status. The PIP Instance Viewer enables you to:

- ✦ Identify the PIP to which a message belongs using the preamble and service header information.
 - ✦ Verify PIP status.
 - ✦ Delete selected PIPs from the PIPTrack_tb database table.
 - ✦ Confirm detailed PIP information for a message.
-

How does the PIP Instance Viewer work? When you or your trading partner initiate a PIP, the Sterling Gentran:Server for RosettaNet stores preamble and service header information from the first message of the PIP in the PIPTrack_tb database table. The system applies the same preamble, delivery header (for RNIF 2.0 messages only), and service header information from that message to all remaining messages in the PIP.

Reference

See *Sterling Gentran:Server for RosettaNet Database Table Layouts* on page A - 1 for information about the PIPTrack_tb database table.

PIP instance data The PIP Instance Viewer enables you to view detailed information about a selected message, including:

- ✦ processing status
- ✦ instance IDs (from the service header)
- ✦ business process specifics
- ✦ type of action
- ✦ processing time allotted
- ✦ sending and receiving partner roles and IDs
- ✦ global codes (from the preamble)

How is PIP Instance Viewer data sorted?

Within the PIP Instance Viewer display, the PIP instances are sorted alphabetically by partner and then within each partner it is sorted by Document Identity Instance ID. The PIP Instance Key number is a sequence number assigned to the PIP instance by Sterling Gentrans:Server for RosettaNet to uniquely identify that PIP instance. This number is not associated with any PIP.

Note

To determine which messages are part of one PIP, look for messages with the same document identity instance ID.

Components

This table describes the PIP Instance Viewer components.

Part	Function
PIP Instance Viewer browser	<p>Enables you to:</p> <ul style="list-style-type: none"> ✦ delete selected PIPs from the PIPTrack_tb database table ✦ view the following information for a PIP instance: <ul style="list-style-type: none"> — date/time, — the partner associated with the PIP, — PIP name and description, — PIP instance, — whether the PIP instance was sent or received, — processing status, — document identity instance ID, and — attempt count. ✦ display the detailed information for the PIP instance ✦ display the XML for the instance selected in the left pane (if available).

PIP Instance Viewer Browser

Introduction You use the PIP Instance Viewer browser to view preamble and service header information for individual messages within a PIP.

How to access From the Start menu select **Programs\Gentran Server\Gentran RosettaNet Management Console** and then click **PIP Instance Viewer**.

Diagram 1 This diagram illustrates the PIP Instance Viewer browser, displaying PIP details.

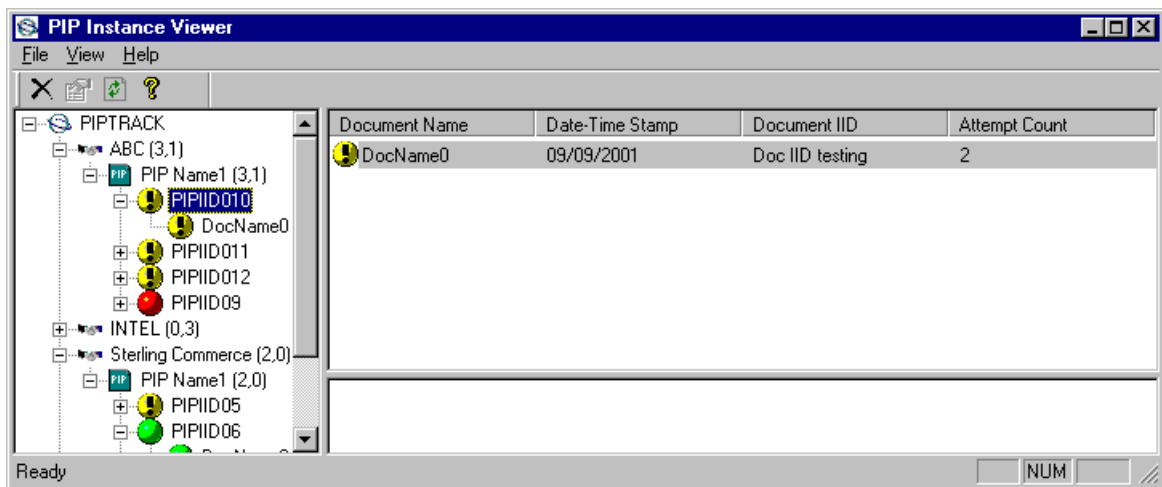
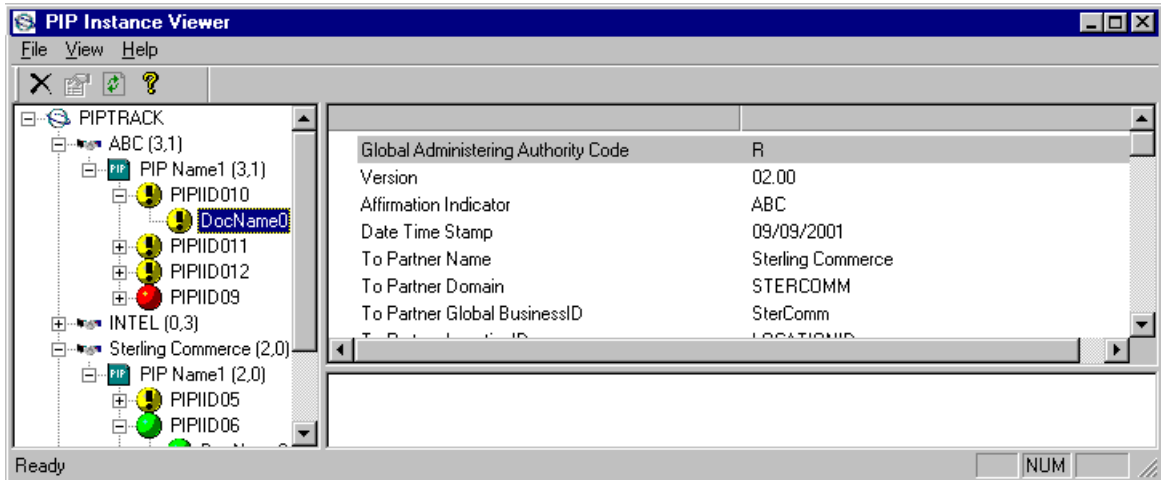


Diagram 2 This diagram illustrates the PIP Instance Viewer browser, displaying document (message) details.



Information organization

The information on the PIP Instance Viewer browser is organized in a hierarchical manner, described in the following table.





Level selected (in left hand pane)	How to access	Information displayed (right panes)
Partner	Open PIP Instance Viewer browser	<p>Upper right pane Displays the PIPs for the selected partner.</p> <p>Lower right pane N/A</p>

(Contd) Level selected (in left hand pane)	How to access	Information displayed (right panes)
PIP	Open Partner node and select a PIP	<p>Upper right pane Displays the PIPs for the selected partner.</p> <ul style="list-style-type: none"> ✦ Document Name, ✦ Date-Time Stamp, ✦ Document IID (Document Instance Identifier), and ✦ Attempt Count. <p>Note If any of these components are missing or not appropriate for a particular interchange, they are not displayed.</p> <p>Lower right pane N/A</p>
Document (Message)	Open PIP node and select a message	<p>Upper right pane Displays the detail information for the selected message.</p> <p>Lower right pane Displays the XML for the instance selected in the left pane (if available).</p>

Parts and functions

This table lists the parts of the PIP Instance Viewer browser and their functions.

Part	Function
File menu	Enables you to delete selected PIPs and exit the PIP Instance Viewer browser.
View menu	<p>Enables you to:</p> <ul style="list-style-type: none"> ✦ view PIP details, when you select an item in the List view. When the focus is on the tree view, the details button is inactive and, ✦ refresh the PIP Instance Viewer display.
Help menu	Enables you to access help and information about the PIP Instance Viewer.

(Contd) Part	Function
	<p>Removes the selected PIP or document from the PIPTrack_tb database table.</p> <p>Note You can delete multiple PIPs or documents at a time (by pressing CTRL and clicking the desired components or pressing SHIFT and selecting contiguous components) from the list view (upper right pane). You can only delete one document or PIP at a time from the tree view (left pane).</p>
	<p>Accesses the PIP details in the list view (upper right pane), when you select an item in the List view.</p> <p>Note When the focus is on the tree view, the details button is inactive.</p>
	<p>Refreshes the display with any PIP instances that have initiated since you opened the browser.</p>
	<p>Accesses online help for the PIP Instance Viewer.</p>
(left pane—PIP Instance tree view)	<p>Displays an alphabetically organized hierarchical list of all the partners, PIPs, PIP Instance IDs (PIP IIDs), and documents (messages) that were sent or received.</p> <p>Reference</p> <ul style="list-style-type: none"> • See <i>Information organization</i> on page 6 - 5 for more information on contents at each level. • See <i>PIP Instance Viewer tree view icons</i> on page 6 - 10 for more information on status icons.
(upper right pane—detailed list view)	<p>Displays a detailed list of the selected PIP or document. The information displayed depends on the level.</p>
(lower right pane—HTML view)	<p>Displays the XML for the instance selected in the left pane (if available).</p> <p>Notes</p> <ul style="list-style-type: none"> • This option is only available if a single item is selected from the detailed list. • This option is only available if there is a file associated with the document (message) in the Sterling Gentran:Server IntIn or IntOut folder.

(Contd) Part	Function
Upper right pane (Partner selected in left pane)	
PIPs	<p>Displays sequence number assigned by Sterling Gentran:Server for RosettaNet to uniquely identify the PIP instance.</p> <p>Notes</p> <ul style="list-style-type: none"> ✦ The PIP Instance Key number is not associated with the PIP to which the message belongs. ✦ Multiple messages from a single PIP all have the same document identity instance ID. <p>Reference See <i>PIP Instance Viewer tree view icons</i> on page 6 - 10 for more information on PIP Instance Viewer status icons.</p>
Upper right pane (PIP selected in left pane)	
PIP IID	<p>Displays the PIP IID assigned by Sterling Gentran:Server for RosettaNet to uniquely identify the PIP instance.</p> <p>Notes</p> <ul style="list-style-type: none"> ✦ The PIP IID number is not associated with the PIP to which the message belongs. ✦ Multiple messages from a single PIP all have the same document identity instance ID. <p>Reference See <i>PIP Instance Viewer tree view icons</i> on page 6 - 10 for more information on PIP Instance Viewer status icons.</p>
Document Name	<p>Displays a unique ID from the service content of the selected message.</p> <p>Example A purchase order number</p>

(Contd) Part	Function
Date-time stamp	<p>Displays the date and time of the message from the preamble, in ISO 8601 format.</p> <p>Format YYYYMMDDTHHMMSS.SSSZ</p> <p>Where:</p> <ul style="list-style-type: none"> ✦ YYYY = the year ✦ MM = the month ✦ DD = the day ✦ T = a separator between the date and time ✦ HH = the hour ✦ MM = the minute ✦ SS = the second ✦ .SSS = the hundredths of a second ✦ Z = the end of the date/time indicator
Document Identity Instance ID	<p>Displays the unique PIP identifier from the document identity portion of the service header.</p> <p>Note Every message in a single PIP has the same document identity instance ID.</p>
Attempt Count	<ul style="list-style-type: none"> ✦ For outbound messages, indicates the number of times Sterling Gentran:Server for RosettaNet attempted to send the message. ✦ For inbound messages, indicates the number of times the message was received by the partner.
Upper right pane (message selected in left pane)	
This pane displays specific information from the preamble, delivery header, and service header of the selected document.	

PIP Instance Viewer tree view icons

This table lists the icons that the system may use in the tree view (left pane) of the PIP Instance Viewer browser.









Note

Each PIP Instance Identifier (PIP IID) can contain one or more messages, and each document has a status value, which determines which icon is displayed in the tree view. If any document under a PIP IID has a status of “closed,” the “Closed” icon is displayed for that PIP IID. The order of display is as follows:

1. Closed
2. Error
3. Warning
4. Resend
5. Open (no icon).

Example

If a PIP IID contains 3 messages which are status Error, Warning, and Resend, respectively. In this case, the Error icon is displayed at the PIP IID level, to notify you that there is at least one message that is in error and that no messages for this PIP IID have a status of “closed.”.

Icon	Description
	This is the PIP Instance Viewer root icon.
	(handshake) — Signifies a partner.
	(blue square) — Signifies a PIP.
	(no icon) — Indicates the document status is “open.”
	(green sphere) — Indicates the document status is “closed.”
	(red sphere) — Indicates the document status is “error.”
	(yellow sphere) — Indicates the document status is “warning.”
	(yellow folder) — Indicates the document status is “resend” or indicates a PIP IID or message.

Procedures

How to View PIP Instance Details

Procedure Use this procedure to view detailed PIP information for a selected message.

Step	Action
1	<p>From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Instance Viewer.</p> <p>System Response The system displays the PIP Instance Viewer Browser.</p>
2	<p>In the tree view (left pane), select the Partner, PIP, PIP IID, or message you want to view.</p> <p>System Response The system displays the detail information for the level you selected on the right side of the browser.</p> <p>Reference See <i>Information organization</i> on page 6 - 5 for more information on the information that is displayed.</p>

How to Delete a PIP or Document

Introduction

The PIP Instance Viewer delete function enables you to remove a selected PIP or document from the PIPTrack_tb database table without using the Sterling Gentran:Server archive function.

Notes

- This delete function removes the PIP from the PIP Instance Viewer and from the database table, but does not remove it from other Sterling Gentran:Server browsers.
- You can delete multiple PIPs or documents at a time (by pressing **CTRL** and clicking the desired components or pressing **SHIFT** and selecting contiguous components) from the list view (upper right pane). You can only delete one document or PIP at a time from the tree view (left pane).

Reference

See Using Archive and Restore in the *IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for more information on how to archive PIP instances.

Procedure

Use this procedure to remove a PIP or document from the PIPTrack_tb database table.

Step	Action
1	<p>From the Start menu, select Programs\Gentran Server\Gentran RosettaNet Management Console and then click PIP Instance Viewer.</p> <p>System Response The system displays the PIP Instance Viewer Browser.</p>
2	<p>In the tree view (left pane), select the PIP or document you want to remove from the PIPTrack_tb database table and select Delete from the File menu.</p> <p>Note Press the CTRL key to select multiple PIPs or documents from the list view. Or press SHIFT to select contiguous components.</p> <p>System Response The system displays a delete confirmation message.</p>
3	<p>Click Yes.</p> <p>Reference The system removes the selected PIPs or the documents from the PIPTrack_tb database table.</p>

Using Archive and Restore with RosettaNet

Contents	➤ Introduction	7 - 2
	Archiving Data	7 - 3
	➤ Overview	7 - 3
	➤ Archive Manager	7 - 4
	➤ PIP Archive Definition Dialog Box	7 - 7
	➤ PIP Instance Selection Criteria Dialog Box	7 - 9
	➤ PIP Instance Search Dialog Box	7 - 10
	➤ Search Results Dialog Box	7 - 12
	➤ How to Create an Archive Definition	7 - 14
	➤ How to Archive Data	7 - 16
	➤ How to View Archived Data	7 - 17
	➤ How to Search Archived Data	7 - 18
	Restoring Archived Data	7 - 19
	➤ Overview	7 - 19

Introduction

In this chapter

This chapter explains how to use interactive archive and restore with the Sterling Gentran:Server for RosettaNet implementation.

Reference

See Using Archive and Restore in the *IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for more information on non-RosettaNet Archive Manager functions.

Archive feature

The Archive feature provides a record of past PIP instances. This enables you to produce an offline archive data file of PIP data with stored parameters (archive definitions) that you define. This archive data file can be stored long-term.

You can also use Sterling Gentran:Server Process Control feature to purge and archive data at predefined intervals.

Reference

See Using Process Control in the *IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for more information about scheduling unattended archive sessions.

What is a PIP instance?

A PIP instance is any RosettaNet message that is processed by the Sterling Gentran:Server for RosettaNet.

Restore feature

The Restore feature enables you to reprocess archived data through Sterling Gentran:Server. This feature copies data from an archive data file back to the active system. Restored PIP instances can be viewed using the PIP Instance Viewer.

Reference

See *Using the PIP Instance Viewer* on page 6 - 1 for more information on viewing PIP instances.

When to use archive

We recommend that you archive your system data on a weekly basis. Using this feature is critical in large volume operations.

Archiving Data

Overview

Types of data that can be archived

The Archive feature enables you to archive Sterling Gentran:Server for RosettaNet PIP instances.

Reference

See in the *IBM® Sterling Gentran:Server® for Microsoft Windows User Guide* for more information on non-RosettaNet data that can be archived by the Archive Manager.

Archive definition

You can completely configure the Archive feature by using stored *archive definitions*. An archive definition is a set of archive parameters that you set to specify the exact data that you want the system to archive. The system saves the archive definition file (*.ARD file) so you can execute the same archive process repeatedly without having to define parameters again.

Reference

See *How to Create an Archive Definition* on page 7 - 14 for more information.

The archive process

The following table describes the archive process.

Stage	Description	
1	Define the archiving parameters (*.ARD file). The archive parameters available depend on the type of data you are archiving.	
	IF you archive...	THEN the available archive parameters are...
	PIP instances,	<ul style="list-style-type: none"> • age, and • status (all, open, closed, error).
	Execute the archive process, which creates the actual archive files (*.ARV) in the Archive folder.	
	<p>Note This definition can be run interactively or on a scheduled basis via Process Control.</p> <p>Reference See Using Process Control in the <i>IBM® Sterling Gentran:Server® for Microsoft Windows User Guide</i> or more information on executing the archive process on a scheduled basis.</p>	
2	In the archive process, the system copies (or removes) data both from the database tables and the system data store.	

Archive Manager

Introduction

The Archive Manager is the facility through which you archive and restore data. The Archive Manager enables you to view the following.

- ✦ Archive definition files
- ✦ Summary data about the control information that was archived
- ✦ Detailed contents of the data stored in the archive data file

The Archive Manager also provides you with a search facility that enables you to quickly define search parameters that are used to find a specific piece of information. The system displays the matching results. You can then select the desired information and the system highlights it in the Archive Manager tree view.

Archive information available to view

The Archive Manager retains extensive data for the information you archive, and enables you to easily view it.

Reference

See *How to View Archived Data* on page 7 - 17 for more information on viewing archive data.

The Archive Manager user interface utilizes a tree structure that displays the hierarchical levels of the archived data. This table lists the information available for each level of the Archive entry for PIP Instance.

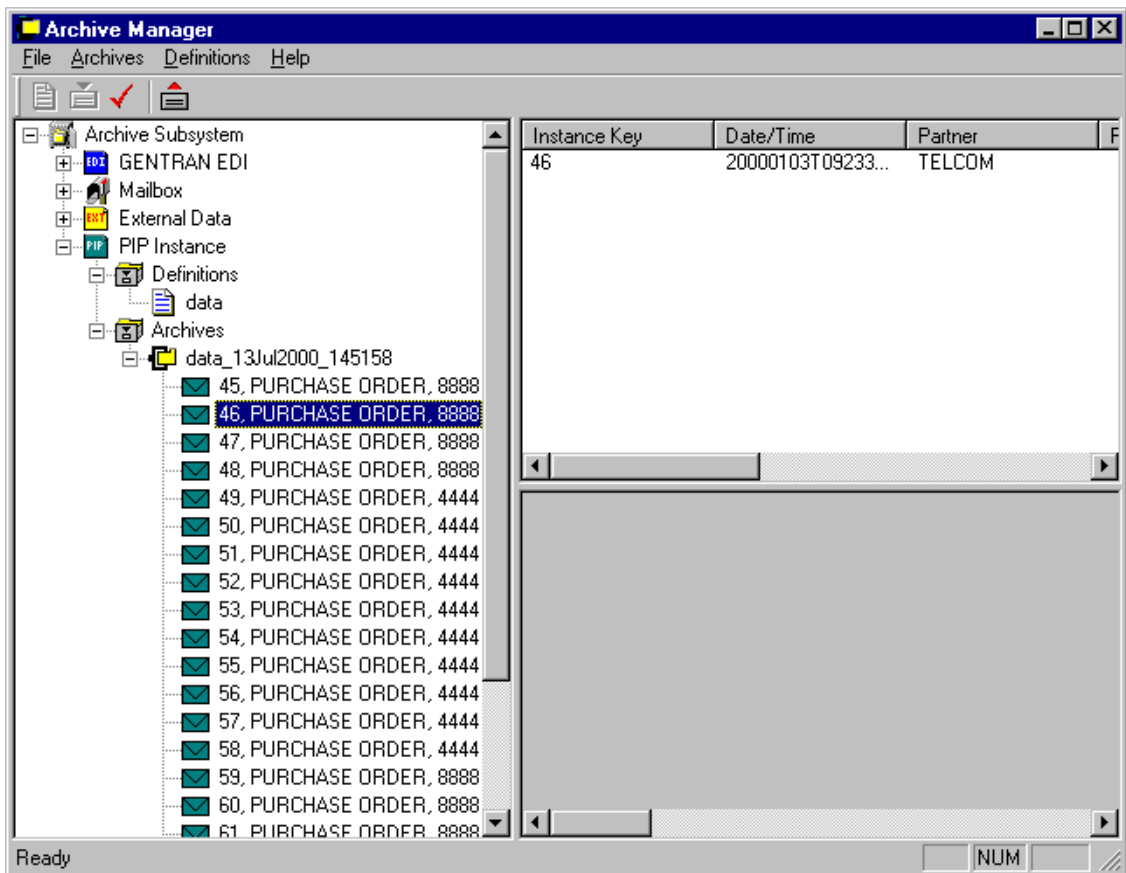
Note

N/A indicates that the row is a graphic placeholder used only to illustrate the type of data that was archived.

IF you select the...	THEN you can view...
archive file at the PIP Instance level	summary information, including the following: <ul style="list-style-type: none"> ✦ date and time the archive started ✦ date and time the archive ended ✦ number of items archived ✦ number of items deleted (if any)
PIP Instance	<ul style="list-style-type: none"> ✦ instance key ✦ date and time of action ✦ partner ✦ PIP ✦ PIP description ✦ direction ✦ status ✦ transaction identifier





(Contd) IF you select the...	THEN you can view...
Upper-right pane	either of the following, depending on the level and type of the selection: <ul style="list-style-type: none"> file information (start, end, number of items archived, and if any items were deleted) PIP instance information
Lower-right pane	N/A

Diagram This diagram illustrates the Archive Manager, shown with the Archive tree expanded and an archived PIP instance selected.



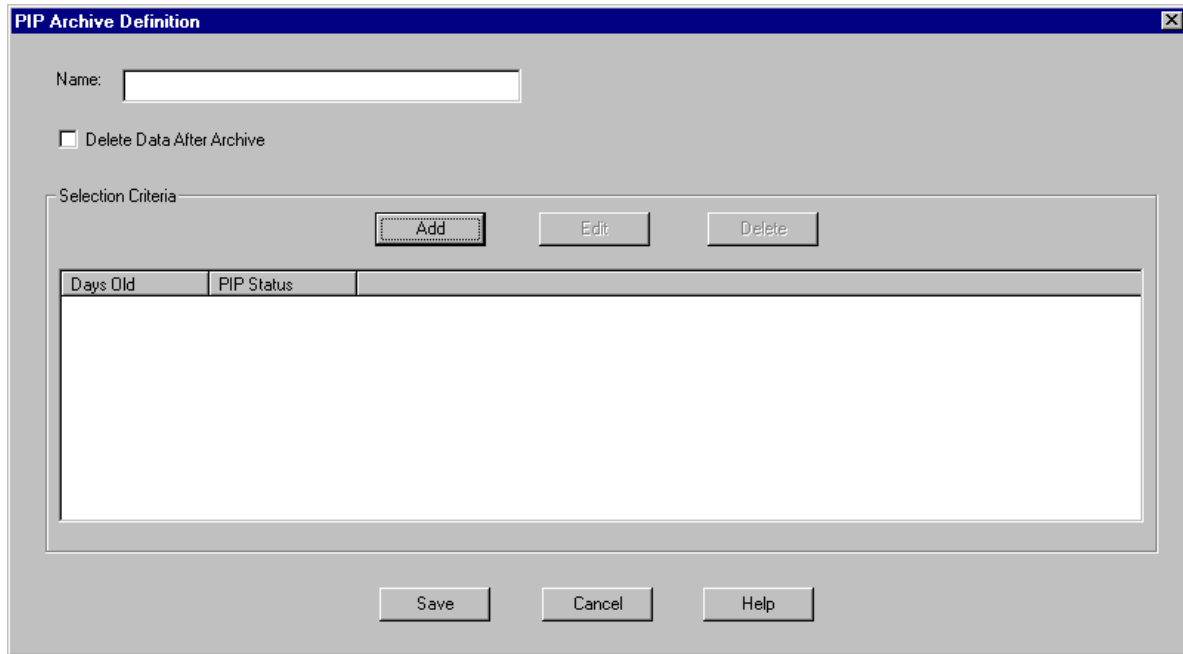
Parts and functions

The following table lists the parts of the Archive Manager and their functions.

Part	Function
File menu	Exit Archive Manager.
Archives menu	<ul style="list-style-type: none"> ✦ Restore data, ✦ mark data for restoration (single item or all items), ✦ unmark data (single item or all items), ✦ archive-level refresh, ✦ delete archive files, and ✦ search for specific archived data.
Definitions menu	<ul style="list-style-type: none"> ✦ Create new archive definition, ✦ edit or delete archive definition, and ✦ archive data.
Help menu	Access Archive Help and information about the Archive Manager.
	Create new archive definition.
	Archive data.
	Mark selected item to be restored to the system.
	Restore marked data to the system.
Left pane	Enables you to archive, view, and restore data.
Upper right pane	<p>The display depends on the level and type of the selection, and for PIP instances it contains one of the following:</p> <ul style="list-style-type: none"> ✦ file information (start, end, number of items archived, and if any items were deleted) ✦ PIP Instance information
Lower right pane	N/A

PIP Archive Definition Dialog Box

Diagram This diagram illustrates the PIP Archive Definition dialog box.



Parts and functions

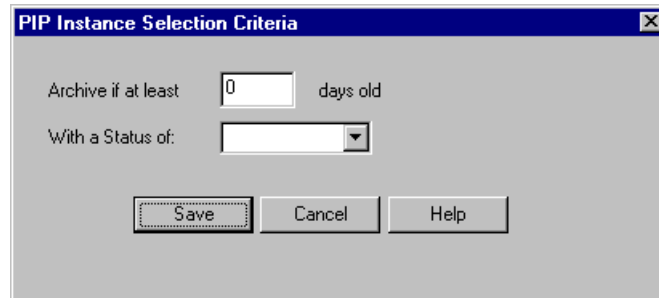
The following table lists the parts of the PIP Archive Definition dialog box and their functions:

Part	Function
Name	Specifies the name of the archive definition file. Note This name must be unique.
Delete Data After Archive	Indicates that the system removes the message data from Sterling Gentran:Server for RosettaNet after archiving the data.
Add	Accesses the PIP Instance Selection Criteria Dialog Box and enables you to define new archive criteria.
Edit	Accesses the PIP Instance Selection Criteria Dialog Box for the selected PIP Instance criteria and enables you to modify the archive criteria.

(Contd) Part	Function
Delete	Deletes the selected PIP Instance criteria from the system. Warning The system removes the criteria without prompting you to confirm the deletion.
Days Old	Specifies the age (in days) of the PIP Instance files to be archived.
PIP Status	Specifies the status of the PIP (all, open, closed, error).
Save	Saves the archive definition and exits the PIP Archive Definition dialog box.
Cancel	Exits the PIP Archive Definition dialog box.
Help	Accesses context-sensitive online Help for this dialog box.

PIP Instance Selection Criteria Dialog Box

Diagram This diagram illustrates the PIP Instance Selection Criteria dialog box.



Parts and functions The following table lists the parts of the PIP Instance Selection Criteria dialog box and their functions:

Part	Function
Archive if more than	Specifies the age (in days) of the PIP Instance files to be archived.
With a Status of	Indicates the status of the PIP instance files to be archived. Valid values <ul style="list-style-type: none"> ▶ All, ▶ Open, ▶ Closed, or ▶ Errored.
Save	Saves the selection criteria and exits the PIP Instance Selection Criteria dialog box.
Cancel	Exits the PIP Instance Selection Criteria dialog box.
Help	Accesses context-sensitive online Help for this dialog box.

PIP Instance Search Dialog Box

Diagram This diagram illustrates the PIP Instance Search dialog box.



Parts and functions

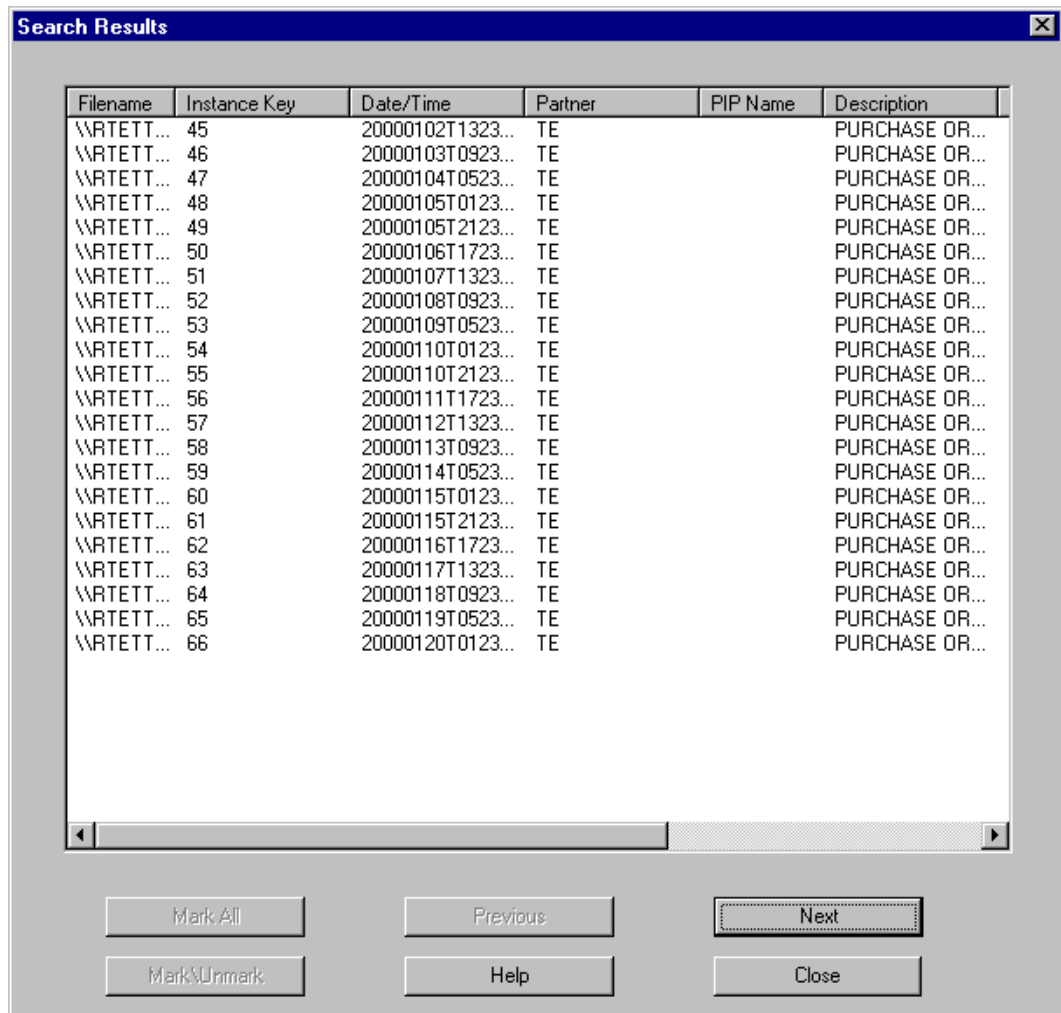
The following table lists the parts of the PIP Instance Search dialog box and their functions:

Part	Function
Created Between	<p>Defines a range of dates and times (in local time) that designate when a PIP instance archive was created, for which you want the system to search.</p> <p>Format Use YYYY/MM/DD format for dates and HH:MM:SS format for times.</p> <p>Note Click the arrow to access the calendar control.</p>
Partner	Indicates the trading partner for which to search.
Direction	<p>Indicates the direction of the PIP.</p> <p>Valid values</p> <ul style="list-style-type: none"> • All • Received • Sent
PIP Name	Specifies the name of the PIP for which the system will search.
Transaction Identify Instance ID	Specifies the transaction instance identity instance identifier for which the system will search.

(Contd) Part	Function
Document Name	Specifies the name of the document.
Exact Match	Searches for an exact match of the field, instead of a partial match (the default).
Find	Finds the appropriate PIP instances based on the criteria you selected and displays them in the Search Results Dialog Box.
Cancel	Exits the PIP Instance Search dialog box.
Help	Accesses context-sensitive online Help for this dialog box.

Search Results Dialog Box

Diagram This diagram illustrates the Search Results dialog box, illustrating the result of a search performed on archived PIP Instances.



Parts and functions

The following table lists the parts of the Search Results dialog box and their functions:

Part	Function
(list)	Contains context-specific PIP Instance information.
Mark All	Marks all items in the Search Results dialog box to be restored.
Previous	Selects the previous item in the list. Note This button is only enabled if you select an archive file.
Next	Selects the next item in the list. Note This button is only enabled if you select an archive file.
Mark/Unmark	Flags the selected item to be restored (or deselect a previously selected item). Note This toggle button is only enabled if you select an archive file.
Help	Accesses context-sensitive online Help.
Close	Exits Search Results dialog box.

How to Create an Archive Definition

Procedure Use this procedure to create an archive definition file.

Step	Action
1	From the appropriate area of The Desk, select Archive . System response The system displays the Archive Manager.
2	Expand the Archive tree. Note This is necessary to create a new archive definition.
3	Right-click Definitions under PIP Instance and select New from the shortcut menu to define archive parameters. System response The system displays the PIP Archive Definition Dialog Box.
4	In the Name box, type the name of the archive definition.
5	Do you want the system to remove the data from the Sterling Gentran:Server and Sterling Gentran:Server for RosettaNet systems after archiving it? <ul style="list-style-type: none"> • If <i>yes</i>, select the Delete Data After Archive check box and continue with the next step. • If <i>no</i>, continue with the next step.
6	Click Add . System response The system displays the appropriate Selection Criteria dialog box.
7	Complete the appropriate parameters. Reference See <i>PIP Instance Selection Criteria Dialog Box</i> on page 7 - 9 for more information on the available PIP Instance parameters. Note All dialog box elements on the Selection Criteria dialog boxes are automatically set to the defaults, which results in the archival of all data.
8	Click Save . System response The system exits the PIP Instance Selection Criteria dialog box.

(Contd) Step	Action	
9	Do you want to create additional archive criteria? <ul style="list-style-type: none"> ▶ If <i>yes</i>, repeat Steps 6 through 8. ▶ If <i>no</i>, continue with the next step. 	
10	Click Save on the appropriate Archive Definition dialog box. System response The system creates an archive definition file that contains the archive parameters. The definition file is stored with an .ARD extension.	
11	Use this table to determine your next step.	
	IF you want to...	THEN...
	edit the archive criteria,	select the appropriate item on the PIP Archive Definition dialog box and click Edit .
delete archive criteria,	select the appropriate item on the PIP Archive Definition dialog box and click Delete .	

How to Archive Data

Before you begin Prior to archiving data, you must create an archive definition file that contains your selection criteria.

Reference

See *How to Create an Archive Definition* on page 7 - 14 for more information.

Procedure Use this procedure to archive data.

Step	Action
1	Use your company's computer backup process to back up the Sterling Gentran:Server and Sterling Gentran:Server for RosettaNet systems before executing the archive process.
2	From the appropriate area of The Desk, select Archive . System response The system displays the Archive Manager.
3	Expand the archive tree and open the PIP Instance Definitions folder.
4	Right-click the PIP Instance archive definition and select Archive Data from the shortcut menu. System response <ul style="list-style-type: none"> ✦ The system executes the archive process. An interactive progress dialog box informs you of the current state of the archive process and enables you to cancel the archive, if necessary. ✦ The system archives the data by the parameters you specified and creates a new file in the Archives folder. Naming convention The system naming convention for creating the archive files uses the same name of the archive definition file, plus the unique date and time of archival, with an .ARV file extension.
5	When the archive process is complete, right-click the PIP Instance Archive folder in the Archive Manager tree view and select Refresh . System response The system displays the archive file along with the date and time on which the archive data file was created.

How to View Archived Data

Procedure Use this procedure to view archived information.

Step	Action	
1	From the appropriate area of The Desk, select Archive . System response The system displays the Archive Manager.	
2	Expand the archive tree and open the PIP Instance Archives folder.	
3	In the Archive folder, locate the archive data file for which you want to view the contents (summary or detailed) or search for a specific piece of data, and click the “+” to the left of that file. System response The system displays the archived files. When you select an archive file, the system displays summary information for each item. Reference See Archive Manager for more information the information that is available at each level.	
4	To view additional information, select the appropriate level of the tree and use the following table to determine your next action.	
	IF you want to view the...	THEN perform this action...
	archive file information (displayed in the Archive Manager, upper-right pane)	select the archive file .
	PIP Instance information (displayed in the Archive Manager, upper-right pane)	select the PIP Instance file .
System response The system displays the information you requested.		

How to Search Archived Data

Introduction The Archive Manager Search facility enables you to quickly define parameters that are used to search all archive files or one archive file, and find a specific piece of information. You can then select the desired information and the system highlights it in the Archive Manager tree view.

Procedure Use this procedure to search for a specific piece of archived data.

Step	Action
1	From the appropriate area of The Desk, select Archive . System response The system displays the Archive Manager.
2	From the Archive Subsystem tree, select the PIP Instance Archives folder.
3	<ul style="list-style-type: none"> ▶ From the Archives menu, select Search ▶ and then PIP Instance. System response The system displays the PIP Instance Search Dialog Box.
4	Select the appropriate parameters. Note If you do not change any parameters on a search dialog box, the system finds the default (all items).
5	Click Find to execute the search. System response The system displays the Search Results Dialog Box. Reference See <i>How to Archive Data</i> on page 7 - 16 for more information on the actions you can perform on the Search dialog box.
6	Click Close to exit the Search Results dialog box.

Restoring Archived Data

Overview

Restore feature The Restore feature enables you restore archived data to the system, so you can then view that data via the PIP Instance Viewer. When data is restored, the archive data file (*.ARV file) is not altered and you can restore data from the same archive file again, if necessary.

Reference

See *Using the PIP Instance Viewer* on page 6 - 1 for more information on viewing PIP instances.

Restore caveat To restore data to your system, the item must have been deleted after it was archived.

Reference

See *How to Create an Archive Definition* on page 7 - 14 for more information on the post-archive delete function.

Moving archive files to tape As the number of archive data files created by the Archive function increases and corresponding disk space is used, you may determine that you want to move archive data files to tape.

Note

Copying archive files to tape media is not part of the Sterling Gentran:Server functionality. If you move an archive file to tape, the Archive Search facility is no longer aware of the existence of the file and files that are moved to tape cannot be viewed while they reside on tape. However, if you reload an archive file from tape to the Archives folder, you can once again view the data via the Archive Manager.

Recommendation

Utilize some type of tape management system to track the archive files saved to tape.

Procedure Use this procedure to restore archived data.

Step	Action
1	From the appropriate area of The Desk, select Archive . System response The system displays the Archive Manager.
2	Expand the archive tree and locate the PIP Instance archive item that you want to restore.

(Contd) Step	Action
3	<p>Right-click the item and select Mark\Unmark from the shortcut menu.</p> <p>System response The system flags that item for restoration.</p>
4	<p>Click Restore Data.</p> <p>System response The marked data is restored to your system and you can view it through the PIP Instance Viewer.</p> <p>Reference See <i>Using the PIP Instance Viewer</i> on page 6 - 1 for more information on viewing PIP instances.</p> <p>Note If the system is unable to restore data, you are prompted to view the Audit Log for detailed information on why the failure occurred.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide</i> for more information on using the Sterling Gentran:Server Audit Log.</p>

Sterling Gentrans:Server for RosettaNet Database Table Layouts

Contents

- Introduction A - 2
 - PartnerContactInfo_tb A - 3
 - PIPDef_tb A - 5
 - PIPProfile_tb A - 7
 - PIPTrack_tb A - 9
-

Introduction

In this appendix

This appendix contains a reference for the Sterling Gentran:Server for RosettaNet database tables. This enables you to quickly and easily refer to information on the purpose of each table, when the records in the table are created, updated, and deleted, and the usage of each field in the table.

Sterling Gentran:Server for RosettaNet creates these database tables:

- PartnerContactInfo_tb
- PIPDef_tb
- PIPProfile_tb
- PIPTrack_tb

Sterling Gentran:Server enables you to access its relational database tables by using your database management system. This gives you the capability to query the database tables.

Warning

The relationships between the tables are extremely complex, and therefore we strongly recommend that you do not update these tables.

PartnerContactInfo_tb

Introduction PartnerContactInfo_tb contains information from the Partner Contact Information Manager.

Table The following table contains the field information for the PartnerContactInfo_tb.

Field Name	Type	Size	Usage
EDICode	string	255	This is the EDI Code for the selected partner.
FromContactName	string	255	This is the contact name for the selected partner.
FromEmailAddress	string	255	This is the E-mail address for the selected partner.
FromTelephoneNumber	string	255	This is the telephone number for the selected partner.
FromFaxNumber	string	255	This is the fax number for the selected partner.
FromSupplyChainCode	string	255	This is the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
FromPartner ClassificationCode	string	255	This is the classification code for the “from” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.
ToContactName	string	255	This is the name of the “to” contact.
ToEmailAddress	string	255	This is the E-Mail address of the “to” contact.
ToTelephoneNumber	string	255	This is the telephone number of the “to” contact.
ToFaxNumber	string	255	This is the fax number of the “to” contact.
ToSupplyChainCode	string	255	This is the code for the global supply chain code. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.

(Contd) Field Name	Type	Size	Usage
ToPartner ClassificationCode	string	255	This is the classification code for the “to” partner. Reference The applicable RosettaNet codes are listed in the Service Header Guideline.

PIPDef_tb

Introduction The PIPDef_tb is a static table that contains all the available PIPs defined by the RosettaNet standard, including the messages within each PIP, retry counts, and time settings. This information is used to display default information in the PIP Profiler.

Table The following table contains the field information for the PIPDef_tb.

Field Name	Type	Size	Usage
RNIFVersion	string	20	This is the RNIF version number. Example V02.00
PIPName	string	15	This is the name of the PIP. Example 3A4
PIPVersion	string	100	This is the version of PIP within RosettaNet. Example 2.0
Step	number (long)	4	This is the message's step number in the flow of the PIP.
DocumentName	string	255	This is the message name. Example Purchase Order Request Action
SentBy	string	1	This indicates whether the message is sent by an initiator (I) or a responder (R).
DependentStep	number (long)	4	This is the PIP step number on which the time to respond is based.
Timeout	number (long)	4	This is the time lag (in minutes) allotted to respond to the message. Example 120
MaxRetries	number (long)	4	This is the number of times to attempt to resend the message.

(Contd) Field Name	Type	Size	Usage
EncryptionContent	string	10	This indicates the encryption content. Valid values are: <ul style="list-style-type: none"> ✦ None ✦ P - Payload ✦ PC - Payload Container
EncryptionAlgorithm	string	20	This indicates the algorithm for encryption. Valid values are: <ul style="list-style-type: none"> ✦ None ✦ TripleDES ✦ RC2
Signature	string	1	This indicates whether a digital signature is used with this message.
LastStep	string	1	This indicates that this is the last step in the PIP process. <p>Note Y indicates that it is the last step and N indicates it is not the last step.</p>

PIPProfile_tb

Introduction The PIPProfile_tb contains the PIPs from the PIPDef_tb that you have customized for use at your site. This customization includes relating each PIP to a specific trading partner, and customizing retry counts, time settings, and which messages are used. The system (PIP Monitor and the RosettaNet Delivery Agent) compliance checks inbound and outbound messages against the PIPProfile_tb.

Table The following table contains the field information for the PIPProfile_tb.

Field Name	Type	Size	Usage
RNIFVersion	string	20	This is the RNIF version number. Example V02.00
PartnerName	string	40	This is the name of the trading partner.
PIPName	string	15	This is the name of the PIP. Example 3A4
PIPVersion	string	100	This is the version of the PIP within RosettaNet. Example 2.0
Role	string	1	This indicates whether you are initiating (I) this PIP or responding (R) to a PIP from your partner.
Step	number (long)	4	This is the sequence number of the message in the PIP.
DocumentName	string	255	This is the message name. Example Purchase Order Request Action
Direction	string	1	This indicates whether the message was sent (S) or received (R).
DependentStep	number (long)	4	This is the PIP step number on which the time to respond is based.

(Contd) Field Name	Type	Size	Usage
Timeout	number (long)	4	This is the time lag (in minutes) allotted to respond to the message. Example 120
Warning	number (long)	4	This specifies the warning threshold for this message.
MaxRetries	number (long)	4	This is the number of times to attempt to resend the message.
EncryptionContent	string	10	This indicates the encryption content. Valid values are: <ul style="list-style-type: none"> • None • P - Payload • PC - Payload Container
EncryptionAlgorithm	string	20	This indicates the algorithm for encryption. Valid values are: <ul style="list-style-type: none"> • None • TripleDES • RC2
Signature	string	1	This indicates whether a digital signature is used with this message.
LastStep	string	1	This indicates that this is the last step in the PIP process. Note Y indicates that it is the last step and N indicates it is not the last step.

PIPTrack_tb

Introduction

The PIPTrack_tb contains all the information necessary to track a PIP through the Sterling Gentran:Server system. This table has a record for every time an inbound or outbound message is initiated within a PIP. The information in this table is derived from the message preamble, delivery header (for RNIF 2.0 messages only), and service header. The initial row is created when a message is received (inbound or outbound), and after the row is initialized the system looks up information pertaining to the PIP message and updates the row accordingly.

Example

The system receives an inbound purchase order from a customer, and the system builds a row for the message in the PIPTrack_tb. When a PIP message is passed inbound or outbound, the system searches for the keys to the message. If the keys are located the system updates the row in this table with the data from the service header of the messages.

Table The following table contains the field information for the PIPTrack_tb.

Field Name	Type	Size	Usage
PIPTrackKey	number (long)	4	This is the PIP tracking number from the registry.
DateTimeStamp	string	20	This is the date and time the message was created.
PIPName	string	15	This is the name of the PIP. Example 3A4
PIPIID	string	255	This is the identifier for the PIP.
DocumentName	string	255	This is the name of the message. Example Purchase Order Request Action
DocumentIID	string	255	This is the message identifier.
InterchangeKEY	number (long)	4	This is a unique identifier for an interchange that is allocated by the system.
Direction	string	1	This indicates whether the message was sent (S) or received (R).
Role	string	1	This indicates whether you are initiating (I) this PIP or responding (R) to a PIP from your partner.

(Contd) Field Name	Type	Size	Usage
AttemptCount	number (long)	4	Number of times a message was sent.
PIPInstanceStatus	string	1	This is the status of the PIP. Valid values <ul style="list-style-type: none"> • O - Open (In Progress) • C - Completed • E - Error • W - Warning
ToPartnerName	string	40	This is the name of the partner receiving the PIP.
ToPartnerID	string	255	This is the DUNS number of the partner receiving the PIP.
FromPartnerName	string	40	This is the name of the partner sending the PIP.
FromPartnerID	string	255	This is the DUNS number of the partner sending the PIP.
InReplyToDocName	string	100	This indicates the action to which the message is responding. Note This is only used with response messages.
InReplyToDocID	string	255	This is a unique identifier for the response message.
ActionSignalIdentifier	string	1	This indicates whether a message is an action (A) or a signal (S).
PIPVersion	string	100	This is the version of the PIP within RosettaNet. Example 2.0
RNIFVersion	string	20	This is the RNIF version number. Example V02.00
ProprietaryDocID	string	255	This indicates the identifier for the proprietary (customized) message.
GenerationDateTime Stamp	string	20	This is the date and time the message was generated.

(Contd) Field Name	Type	Size	Usage
Agency	string	11	This indicates the standard that is used.
NumOfAttachments	number (long)	4	This specifies the number of attachments.
AffirmationIndicator	string	3	This indicates (Yes/No) whether secure transport is required.
BusinessActivityID	string	255	This is an identifier that specifies a business activity. Example Create Purchase Order
ToPartnerDomain	string	50	This is the domain type of the receiving partner. Example DUNS
ToPartnerLocationID	string	255	This is the logical business location of the receiving partner. Example Orlando
FromPartnerDomain	string	50	This is the domain type of the sending partner. Example DUNS
FromPartnerLocationID	string	255	This is the logical business location of the receiving partner. Example Orlando
FromRoleClassCode	string	100	This is a code used to describe the role of the partner sending the PIP.
FromServiceCode	string	100	This is the code used to describe the service the sending partner is performing.
ToRoleClassCode	string	100	This is a code used to describe the role of the partner receiving the PIP.
ToServiceCode	string	100	This is a code used to describe the service the receiving partner is performing.

(Contd) Field Name	Type	Size	Usage
InReplytoMsgStandard	string	255	This is the model of authority to which this message is replying. Note A value is only necessary for non-RosettaNet standards.
InReplytoStandard Version	string	255	This is the version of the message standard to which this message is replying. Note A value is only necessary for non-RosettaNet standards.
MessageStandard	string	255	This is the model of authority used to create the message. Note A value is only necessary for non-RosettaNet standards.
StandardVersion	string	255	This is the version of the message standard used to create the message. Note A value is only necessary for non-RosettaNet standards.
DocumentVersion	string	255	This is a unique identifier specifying the version of the message.
GlobalUsageCode	string	15	This is the test/production flag.
PIPPayloadBindingID	string	255	This is the agreed-upon identifier that indicates the type of payload included as part of this message.
InitPartnerName	string	40	This is the name of the partner initiating the PIP.
InitPartnerID	string	255	This is the DUNS number of the partner initiating the PIP.
InitPartnerDomain	string	50	This is the domain type of the partner initiating the PIP. Example DUNS

(Contd) Field Name	Type	Size	Usage
InitPartnerLocationID	string	255	This is the logical business location of the partner initiating the PIP. Example Orlando
UnknownInitPartnerURL	string	255	This is the URL of the partner initiating the PIP without a trading partner agreement.
MessageHash	string	40	This is the value used to verify the integrity of the data.
MessageHashAlgorithm	string	4	This is an algorithm used to calculate the message hash value.
TransactionIdentityIID	string	255	This is a unique identifier used to identify a business transaction.
GlobalDocument FunctionCode	string	50	This indicates whether the message is a “Request” or “Response.”
FromPartnerClassCode	string	100	This is the code used to describe the function of the partner sending the PIP.
ToPartnerClassCode	string	100	This is the code used to describe the function of the partner receiving the PIP.
GlobalProcessCode	string	100	This is the RosettaNet-defined code that describes the message type. Note This code is taken from the message service header. Example 3A4
TimeToAckAcceptance	string	20	This is the timeout period for acknowledging acceptance of a message.
TimeToAckReceipt	string	20	The timeout period for acknowledging receipt of a message.
TimeToPerform	string	20	This is the timeout period that an initiating business activity will wait for a responding activity to process a business document.

Sterling Gentran:Server for RosettaNet Error Messages

Contents	• Introduction	B - 2
	Sterling Gentran:Server for RosettaNet Error Messages	B - 3
	• PIP Monitor Error Messages	B - 3
	• SCRNIIF2Document Error Messages	B - 7
	• RN20Agent Error Messages	B - 15
	• SCRException Error Messages	B - 20

Introduction

In this appendix

This appendix explains Sterling Gentran:Server for RosettaNet error messages and how to determine the action you should take when you receive an error message.

Where error messages are located

The Sterling Gentran:Server for RosettaNet error messages and other informational messages are noted on the Audit Log.

References

- ✦ See “Using the Audit Notification System” in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information about the Audit Log.
- ✦ See “Error Messages” in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information about other non-RosettaNet Sterling Gentran:Server error messages.

The informational messages are dependent on the context of the program, and are intended to be self-explanatory.

Error message numbers

The types of error messages that Sterling Gentran:Server for RosettaNet uses are the following:

- ✦ **PIP Instance Viewer** occur if the error was noted by the PIP Instance Viewer.
- ✦ **PIP Monitor** occur if the error was noted by the PIP Monitor.
- ✦ **PIP Profiler** occur if the error was noted by the PIP Profiler.
- ✦ **SCRNIFDocument** occur if the error was noted by SCRNIFDocument.
- ✦ **RN20Agent** occur if the error was noted by the RosettaNet delivery agent.
- ✦ **RNMgmtConsole** occur if the error was noted by the RosettaNet Management Console.
- ✦ **PIP Profiler** occur if the error was noted by the PIP Profiler.
- ✦ **SCRException** occur if the error was noted by SCRException.

Source and component numeric values

This table lists the numeric values for the Sterling Gentran:Server for RosettaNet message source and component values.

Source	Component
4 - RosettaNet	3 - PIP Instance Viewer 4 - PIP Monitor 5 - PIP Profiler 10 - SCRNIF2Document 11 - RN20Agent 12 - RNMgmtConsole 13 - SCRException

Sterling Gentran:Server for RosettaNet Error Messages

PIP Monitor Error Messages

Introduction This topic provides you with the error messages that the Sterling Gentran:Server for RosettaNet PIP Monitor may write to the Sterling Gentran:Server Audit Log.

Reference

See “Using the Audit Notification System” in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information on the audit log.

Messages The Sterling Gentran:Server for RosettaNet PIP Monitor error messages are listed below by the message number and the error message text.

Msg ID	Message Text	Explanation/Your Action
4-4-1	Response to receive message failed. For partner [partner name] with Transaction Control Instance Identifier [transaction control instance identifier number] from PIP [PIP name].	<p>Explanation The specified response message you sent failed.</p> <p>Your Action Verify that you have set up functional acknowledgements for the outbound relationship for this partner.</p> <p>Reference See Using Partners in the <i>IBM® Sterling Gentran:Server® for Microsoft Windows User Guide</i> for more information on setting up functional acknowledgements.</p>
4-4-2	Exceeded maximum retry count for message with Transaction Control Instance Identifier [transaction control instance identifier number] from partner [partner name] from PIP [PIP name].	<p>Explanation The specified message for the specified partner and PIP was sent the maximum number of times.</p> <p>Your Action Follow the RosettaNet OA1 Notification of Failure procedure.</p> <p>Reference See the RosettaNet guidelines for usage information.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-4-6	A database error occurred while [the database operation that was running]. [database error text]	<p>Explanation An error occurred while attempting to perform an operation on the Sterling Gentran:Server database.</p> <p>Your Action Restart the PIP Monitor service.</p>
4-4-7	An unknown error occurred which prevents the PIP Monitor Service from starting.	<p>Explanation Unknown fatal error; PIP monitor service cannot start.</p> <p>Your Action Check the Microsoft Windows Event Log for service start errors. There may be a permissions problem.</p> <p>Reference See your Microsoft Windows documentation for more information on checking the Event Log.</p>
4-4-8	The PIP profile table step dependency query failed for document [document name], RNIF version [RNIF version], partner [partner name], PIP [PIP name], PIP version [PIP version], role [role].	<p>Explanation The PIPProfile_tb database table is in error or the database is not functioning properly.</p> <p>Your Action Ensure that the PIPProfile_tb database table is intact and that the database is running. You may need to restart the PIP Monitor Service.</p>
4-4-9	A unknown critical error occurred causing the PIP Monitor Service to stop monitoring PIPs.	<p>Explanation This is a fatal error.</p> <p>Your Action A restart of Sterling Gentran:Server services, a restart of the PIP Monitor Service, and/or a reboot of the system may be required.</p>
4-4-11	A database error occurred while attempting to update the status of all PIP instance documents for PIPID [PIP IID].	<p>Explanation The status update did not occur due to a database error.</p> <p>Your Action Ensure that the PIPTrack_tb database table is intact and that the database is running. May need to restart PIP Monitor Service.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-4-12	Attempt to resend document with IID [document IID] for PIP [PIP name], PIPID [PIP IID], interchange key [interchange key] failed.	<p>Explanation Document resend failed.</p> <p>Your Action Ensure the Sterling Gentran:Server services are running. If they are, restart the Sterling Gentran:Server services.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide</i> for more information on stopping and starting Sterling Gentran:Server Services.</p>
4-4-13	Unable to determine the Sterling Gentran:Server system name or Sterling Gentran:Server server name. Make sure that the Sterling Gentran:Server services are running.	<p>Explanation Could not determine Sterling Gentran:Server system name or server name. Sterling Gentran:Server services may not be running.</p> <p>Your Action Ensure that the Sterling Gentran:Server services are running.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide</i> for more information on stopping and starting Sterling Gentran:Server Services.</p>
4-4-14	Unable to initiate PIP 0A1 - Notification of Failure for PIP [PIP name], PIPID [PIP IID].	<p>Explanation An error occurred while attempting to initiate PIP 0A1 Notification of Failure. 0A1 will not be sent.</p> <p>Your Action Ensure that the Sterling Gentran:Server services are running.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide</i> for more information on stopping and starting Sterling Gentran:Server Services.</p>
4-4-15	No responding action document was received for the document with IID [Document IID] for PIP [PIP Name], PIPID [PIP IID].	<p>Explanation PIP is now in error because no responding action document was received within the timeout period.</p> <p>Your Action No action required.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-4-16	The PIP [PIP Name] [document name] document (PIP IID [PIP IID], Document IID [document IID]) being sent to [trading partner name] has been errored since mailbox message [mailbox message] failed to get sent.	Explanation The PIP instance is in error because it was not sent. Your Action Verify that IIS is running.

SCRNIF2Document Error Messages

Introduction This topic provides you with the error messages that the Sterling Gentran:Server for RosettaNet SCRNIF2Document program may write to the Sterling Gentran:Server Audit Log.

Reference

See “Using the Audit Notification System” in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information on the audit log.

Messages The Sterling Gentran:Server for RosettaNet SCRNIF2Document program error messages are listed below by the message number and the error message text.

Msg ID	Message Text	Explanation/Your Action
4-10-4	The [XML document name] is invalid. XML parsing results: [MSXML parsing error information].	<p>Explanation The XML being loaded is invalid. The incoming document from the trading partner is invalid and will be ignored.</p> <p>Your Action None.</p>
4-10-5	The [name of the RosettaNet business message piece] MIME type is invalid. It should be application/XML.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-6	The x-RN-Response-Type MIME header value is invalid. It must be sync or async.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-7	The x-RosettaNet-Version MIME header is missing.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-8	The x-RosettaNet-Version MIME header value is invalid. It must be RosettaNet/02.00.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-9	One or more of the MIME body parts is missing the required Content-ID MIME header.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-10	The [name of the RosettaNet message piece] is missing or contains an invalid Content-Location MIME header.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-11	The [name of the RosettaNet message piece] MIME type is invalid. It should be application/XML or application/pkcs7-mime.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-12	The digital signature is missing or its length is not valid.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-13	The MIME structure does not conform to the RNIF [RNIF version] specification.	<p>Explanation The incoming document from the trading partner is invalid and will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-14	The attachment count does not match the number of attachment elements in the Service Header manifest.	<p>Explanation The incoming document from the trading partner is invalid. An exception document will be sent back to the trading partner.</p> <p>Your Action None.</p>
4-10-15	The attachment count does not match the number of attachments in the MIME message.	<p>Explanation The incoming document from the trading partner is invalid. An exception document will be sent back to the trading partner.</p> <p>Your Action None.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-16	The content types for one or more of the attachment elements in the Service Header manifest do not match the attachment Content-Type MIME headers.	<p>Explanation The incoming document from the trading partner is invalid. An exception document will be sent back to the trading partner.</p> <p>Your Action None.</p>
4-10-17	The content IDs for one or more of the attachment elements in the Service Header manifest do not match the attachment Content-ID MIME headers.	<p>Explanation The incoming document from the trading partner is invalid. An exception document will be sent back to the trading partner.</p> <p>Your Action None.</p>
4-10-18	The manifest in the Service Header indicates that this message should include attachments but the attachments are missing from the MIME message.	<p>Explanation The incoming document from the trading partner is invalid. An exception document will be sent back to the trading partner.</p> <p>Your Action None.</p>
4-10-19	Unable to open the Microsoft Enhanced Cryptographic Provider v1.0.	<p>Explanation Encrypted content cannot be decrypted. The incoming document will be ignored/discarded.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference <i>See Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-20	Unable to open the local machine based RosettaNet digital certificate store.	<p>Explanation Fatal error. This store is created by the operating system.</p> <p>Your Action Check the installation of your operating system.</p>
4-10-21	Decryption of the payload or payload container failed due to an unknown error.	<p>Explanation Fatal error. This store is created by the operating system.</p> <p>Your Action Check the installation of your operating system.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-22	Decryption of the payload or payload container failed because the encrypted data is not an enveloped cryptographic message.	<p>Explanation Encrypted content cannot be decrypted. The incoming document will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-23	Decryption of the payload or payload container failed because the encrypted data uses an unsupported encryption algorithm.	<p>Explanation Encrypted content cannot be decrypted. The incoming document will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-24	Decryption of the payload or payload container failed because no partner certificate was found having a private key to use for decrypting.	<p>Explanation Encrypted content cannot be decrypted. The incoming document will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-25	Encryption of the payload or payload container failed due to an unknown error.	<p>Explanation Content cannot be encrypted. The outgoing document will be not be sent to the trading partner.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference <i>See Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-26	Encryption of the payload or payload container failed because the public certificate for the recipient could not be found or the public certificate for the recipient does not allow encryption.	<p>Explanation Content cannot be encrypted. The outgoing document will be not be sent to the trading partner.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference <i>See Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-27	Digital signing of the RosettaNet message failed due to an unknown error.	<p>Explanation The outgoing document cannot be digitally signed. It will not be sent to the trading partner.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-28	Digital signing of the RosettaNet message failed because the certificate did not have a private key to use for signing.	<p>Explanation The outgoing document cannot be digitally signed. It will not be sent to the trading partner.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-29	Digital signing of the RosettaNet message failed because the signing certificate could not be found in the SCROSETTANET certificate store.	<p>Explanation The outgoing document cannot be digitally signed. It will not be sent to the trading partner.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-30	Digital signature verification failed due to an unknown error.	<p>Explanation The digital signature cannot be verified. The incoming document will be ignored/discarded.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-31	Digital signature verification failed because the digital signature is not a signed cryptographic message.	<p>Explanation The digital signature cannot be verified. The incoming document will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-32	Digital signature verification failed because the RosettaNet message was hashed and signed using an unsupported algorithm.	<p>Explanation The digital signature cannot be verified. The incoming document will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-33	Digital signature is not valid for this RosettaNet message.	<p>Explanation The digital signature cannot be verified. The incoming document will be ignored/discarded.</p> <p>Your Action None.</p>
4-10-34	Message hash creation failed. Non-repudiation of receipt will not be possible.	<p>Explanation A message hash will not be sent to the trading partner when the response to this incoming document is sent.</p> <p>Your Action None.</p>
4-10-35	The merged XML data containing the new outbound RosettaNet message is invalid. XML parsing results: [parsing error details].	<p>Explanation An outbound document cannot be created using this XML.</p> <p>Your Action Check your outbound document maps.</p>
4-10-36	An unknown fatal error caused outbound RNIF [RNIF version] document creation to fail.	<p>Explanation Fatal error.</p> <p>Your Action Call support.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-37	The key store containing the required private key failed to open. The encrypted content cannot be decrypted.	<p>Explanation The encrypted content cannot be decrypted. The incoming document will be ignored/discarded.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-38	The key store containing the required private key failed to open. The content cannot be digitally signed.	<p>Explanation The outgoing document will not be sent to the trading partner.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-39	The security profile does allow the partner certificate to decrypt this message. The encrypted content cannot be decrypted.	<p>Explanation The encrypted content cannot be decrypted. The incoming document will be ignored/discarded.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>
4-10-40	Digital signature verification failed because the receiving partner certificate was not used to sign the message.	<p>Explanation The digital signature cannot be verified. The incoming document will be ignored/discarded.</p> <p>Your Action Check the security profile configuration for the partner.</p> <p>Reference See <i>Using the Security Profile Manager and Other Communications Tasks</i>, chapter 4, for more information.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-10-41	The outbound RosettaNet message cannot be created because the attachment count information in the outbound XML data is invalid.	<p>Explanation An outbound document cannot be created using this XML.</p> <p>Your Action Check your outbound document maps.</p>
4-10-42	The outbound RosettaNet message cannot be created because the attachment information in the outbound XML data is invalid.	<p>Explanation An outbound document cannot be created using this XML.</p> <p>Your Action Check your outbound document maps.</p>
4-10-43	The outbound RosettaNet message cannot be created because one or more of the attachment files in the outbound XML data cannot be opened or read.	<p>Explanation An outbound document cannot be created using this XML.</p> <p>Your Action Check your outbound document maps.</p>
4-10-44	The data being loaded is not valid RosettaNet data.	<p>Explanation The data being loaded does not contain valid RNIF 1.1 or RNIF 2.0 data.</p> <p>Your Action None.</p>
4-10-48	The incoming data contains invalid RNIF 1.1 version information.	<p>Explanation The RNIF 1.1 data contains invalid version information. The document will be discarded/ ignored.</p> <p>Your Action None.</p>
4-10-49	The outbound merged XML data contains an invalid root tag.	<p>Explanation The root tag indicates the RNIF version. It must indicate 1.1 or 2.0.</p> <p>Your Action None.</p>
4-10-50	Digital signature verification failed because the public key certificate for the sending partner was not found.	<p>Explanation The public key certificate needed to verify the signature was not found in the RosettaNet certificate.</p> <p>Your Action Ask the sending partner for a copy of the public key certificate.</p>

RN20Agent Error Messages

Introduction This topic provides you with the error messages that the Sterling Gentran:Server for RosettaNet Delivery Agent may write to the Sterling Gentran:Server Audit Log.

Reference

See “Using the Audit Notification System” in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information on the audit log.

Messages The Sterling Gentran:Server for RosettaNet Delivery Agent error messages are listed below by the message number and the error message text.

Msg ID	Message Text	Explanation/Your Action
4-11-100	Invalid option parameter specified. Delivery agent processing cannot continue.	<p>Explanation "Inbound" and "Outbound" are the only valid parameters.</p> <p>Your Action Ensure that the delivery rule is not mistyped.</p>
4-11-103	Delivery agent failed to process attachment [Mailbox attachment ID] for message [Mailbox message ID].	<p>Explanation An "end" message that bookends one attachment processing session, and you should get an audit error message before it.</p> <p>Your Action Follow the instructions listed in this appendix for the error message that precedes this one.</p>
4-11-104	Could not get attachment(s) for message [Mailbox message ID]. Delivery agent processing cannot continue. Mailbox error code returned: [Mercury error code]	<p>Explanation Mailbox API error.</p> <p>Your Action Call support.</p>
4-11-105	Could not delete attachment [Mailbox attachment ID] for message [Mailbox message ID]. Delivery agent processing cannot continue. Mailbox error code returned: [mailbox error code] = Mercury error code.	<p>Explanation Mailbox API error.</p> <p>Your Action Call support.</p>
4-11-106	An exception occurred while processing attachment [Mailbox attachment ID] for message [Mailbox message ID]. Delivery agent processing cannot continue. Error message: [CException error text]	<p>Explanation A MFC CException occurred while opening or closing the attachment as a</p> <p>Your Action Call support.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-11-1000	A file exception occurred while accessing an attachment. Error returned: [CFileException error text]	<p>Explanation A MFC CFileException occurred while accessing the attachment.</p> <p>Your Action Call support.</p>
4-11-1001	An error occurred while processing the attachment. [error text (e.g., “The attachment has an invalid file length.”)]	<p>Explanation Depending on the error indicated, either the attachment is empty or a Win32 API or MFC error occurred while performing the task indicated.</p> <p>Your Action Call support.</p>
4-11-1002	Could not create a new copy of attachment [Mailbox attachment ID] for message [Mailbox message ID]. Mailbox error code returned: [mailbox error code]	<p>Explanation Mailbox API error.</p> <p>Your Action Call support.</p>
4-11-1003	An exception occurred while processing attachment [Mailbox attachment ID] for message [Mailbox message ID]. Error message: [CException error text]	<p>Explanation A MFC CException occurred while opening or closing the attachment as a stream.</p> <p>Your Action Call support.</p>
4-11-1004	Could not delete mailbox message [Mailbox message ID to be deleted] associated with attachment [Mailbox attachment ID] for message [Mailbox message ID]. Mailbox error code returned: [mailbox error code]	<p>Explanation Mailbox API error.</p> <p>Your Action Call support.</p>
4-11-1005	A file exception occurred while accessing the interchange file [interchange filename]. Error returned: [FileException error text]	<p>Explanation A MFC CFileException occurred while accessing an interchange file.</p> <p>Your Action Call support.</p>
4-11-1100	A database error occurred while [task (e.g., “querying the database”)]. [error text (e.g., “Can’t create the recordset.”)]	<p>Explanation Depending on the error indicated, either database access info is missing from the registry or a MFC CDatabase/CRecordset error occurred while accessing the database.</p> <p>Your Action Call support.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-11-1101	A database exception occurred while [task (e.g., “querying the database”)]. Error returned: [CDBException error text]	<p>Explanation A MFC CDBException occurred while accessing the database.</p> <p>Your Action Call support.</p>
4-11-1102	An exception occurred while [task (e.g., “querying the database”)]. Error returned: [CException error text]	<p>Explanation A MFC CException occurred while accessing the database.</p> <p>Your Action Call support.</p>
4-11-1103	Could not find the partner EDI code [“partner EDI code“] in the database.	<p>Explanation No partner with that EDI code was found in the Partner_tb database table.</p> <p>Your Action Check the EDI code for the partner in question. Verify the EDI Code in the partner definition you created. This EDI code must match the valued entered in the Sender box on the Outbound Envelope PIP Initiation dialog box.</p>
4-11-1104	An instance with PIPTrackKey [PIPTrackKey] already exists in the database. Unable to insert [document name] document [document IID] from [trading partner name].	<p>Explanation Could not save the new PIP instance data to the PIPTrack_tb database table because the primary key number allocated by the Sterling Gentran:Server Executive Service already is already being used in that table.</p> <p>Your Action Restart services and try again. If this is unsuccessful, call support.</p>
4-11-1105	A(n) [role (“initiating” or “responding”) PIP [PIP name] profile (PIP version [PIP version] for RNIF [RNIF version]) was not found for either [trading partner name] or “[“Any” keyword]” partner. The partner is not authorized to do this PIP.	<p>Explanation No matching PIP profile entry was found in the PIPProfile_tb database table</p> <p>Your Action Create a PIP profile for the PIP and partner in question.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-11-1106	An error occurred while [task (e.g., “querying the database”)]. [error text (e.g., “Could not find the signal document.”)]	<p>Explanation This message is used for a variety of errors and will only appear in very unlikely scenarios, such as deleting or modifying PIP documents or profiles while the delivery agent is accessing that data.</p> <p>Your Action Call support.</p>
4-11-1107	PIP [PIP name] version [PIP version] instance [PIP IID] being traded with [trading partner name] is not in order.	<p>Explanation The documents in this PIP set are not in the proper sequence when compared to the document order in the corresponding PIP profile.</p> <p>Your Action Make sure the documents are sent and received in the order specified in the PIP profile.</p> <p>Reference See <i>Using the PIP Profiler</i> on page 5 - 1 for more information on PIP profiles.</p>
4-11-1108	A security violation was encountered with a [document name] document for PIP [PIP name] version [PIP version] instance [PIP IID] being traded with [trading partner name]. [security violation type].	<p>Explanation The security properties of the inbound document do not match the security settings in the corresponding PIP profile.</p> <p>Your Action Make sure the security properties of the document and the PIP profile match.</p> <p>Reference See <i>Using the PIP Profiler</i> on page 5 - 1 for more information on PIP profiles.</p>
4-11-1109	A [document name] document for PIP [PIP name] version [PIP version] instance [PIP IID] being traded with [trading partner name] arrived late since the corresponding [parent action document name] document has already timed out and is being resent.	<p>Explanation The inbound signal document arrived too late to be considered a valid acknowledgement since its parent action document is being resent.</p> <p>Your Action Wait for the resend process to complete. The signal document will eventually be resent by the trading partner.</p>
4-11-1111	A [document name] document was received from [trading partner name] for PIP [PIP name] version [PIP version] instance [PIP IID] since the [parent action document name] document that we sent is bad (and will be errored).	<p>Explanation An inbound exception document was received because you sent a bad action document.</p> <p>Your Action Check all maps to ensure that a valid document is being sent.</p>

(Contd) Msg ID	Message Text	Explanation/Your Action
4-11-1112	A [document name] document was received from [partner name]. There is a problem with the [document name of bad document] document belonging to PIP [PIP name of bad document] version [PIP version of bad document] instance [PIP IID of bad document]. That PIP will be errored.	<p>Explanation The trading partner did not receive a response from you after sending an action document and thus initiated a PIP 0A1 document since the retry attempts for the action document have been exceeded.</p> <p>Your Action Make sure there are no communications, network, or system problems. Check your map and partner settings to ensure a proper response document can be generated. Call support if necessary.</p>
4-11-1113	The document name “[document name of first instance]” of the initiating instance for PIP [PIP name] version [PIP version] instance [PIP IID] being traded with [trading partner name] does not match any document name in the corresponding profile.	<p>Explanation The document name in the data does not match any document name in the profile.</p> <p>Your Action Check all maps to ensure that the document name matches the one in the PIP profile.</p>
4-11-1114	The initiating document for PIP [PIP name] version [PIP version] instance [PIP IID] being traded with [trading partner name] is missing. The PIP set will be errored.	<p>Explanation The documents in this PIP set are not in the proper sequence when compared to the document order in the corresponding PIP profile.</p> <p>Your Action Make sure the documents are being sent and received in the order specified in the PIP profile.</p>
4-11-1115	Due to [reason for discarding messages] message [Mailbox message ID], this message and all related mailbox messages will be discarded.	<p>Explanation Mailbox messages will be deleted because of either a security violation or an exception that was generated.</p> <p>Your Action Refer to the previous audit message for further explanations about the error.</p>

SCRException Error Messages

Introduction This topic provides you with the error messages that the Sterling Gentran:Server for RosettaNet SCRException program may write to the Sterling Gentran:Server Audit Log.

Reference

See “Using the Audit Notification System” in the *IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide* for more information on the audit log.

Messages The Sterling Gentran:Server for RosettaNet SCRException program error messages are listed below by the message number and the error message text.

Msg ID	Message Text	Explanation/Your Action
4-13-1	Generation of merged XML for exception failed. Reason: [reason text indicates the type of failure and suggests a possible course of action]	<p>Explanation Attempt to generate a merged XML RNIF 2.0 exception document failed.</p> <p>Your Action Fatal error—take the course of action suggested in the error message and if necessary, call support.</p>
4-13-2	[0A1 or Exception Query of the Gentran:Server database for the destination mailbox failed] destination mailbox lookup failed. Error details: [lookup failure error details]	<p>Explanation Query of the Sterling Gentran:Server database for the destination mailbox failed.</p> <p>Your Action Check the Sterling Gentran:Server mailbox configuration.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Communications User Guide</i> for more information on mailbox configuration.</p>
4-13-4	Unable to send [0A1 or Exception] to mailbox [destination mailbox]. Mercury error = [mailbox error].	<p>Explanation Error occurred during exception delivery.</p> <p>Your Action Ensure that the Sterling Gentran:Server services are running.</p> <p>Reference See the <i>IBM® Sterling Gentran:Server® for Microsoft Windows Administration Guide</i> for more information on starting services.</p>

	Message Text	Explanation/Your Action
4-13-5	Generation of merged XML for PIP 0A1 initiation document failed. Reason: [reason text indicates the type of failure and suggests a possible course of action]	Explanation Attempt to generate a merged XML RNIF 1.1 exception document failed. Your Action Fatal error—take the course of action suggested in the error message and if necessary, call support.

Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing

IBM Corporation

North Castle Drive

Armonk, NY 10504-1785

U.S.A.

For license inquiries regarding double-byte character set (DBCS) information, contact the IBM Intellectual

Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing

Legal and Intellectual Property Law

IBM Japan Ltd.

1623-14, Shimotsuruma, Yamato-shi

Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licenseses of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation

J46A/G4

555 Bailey Avenue

San Jose, CA__95141-1003

U.S.A.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems.

Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information is for planning purposes only. The information herein is subject to change before the products described become available. This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

COPYRIGHT LICENSE:

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

Each copy or any portion of these sample programs or any derivative work, must include a copyright notice as follows:

© IBM 2011. Portions of this code are derived from IBM Corp. Sample Programs.
© Copyright IBM Corp. 2011.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

Trademarks

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at www.ibm.com/legal/copytrade.shtml.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency which is now part of the Office of Government Commerce.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

Linear Tape-Open, LTO, the LTO Logo, Ultrium and the Ultrium Logo are trademarks of HP, IBM Corp. and Quantum in the U.S. and other countries.

Connect Control Center®, Connect:Direct®, Connect:Enterprise, Gentran®, Gentran:Basic®, Gentran:Control®, Gentran:Director®, Gentran:Plus®, Gentran:Realtime®, Gentran:Server®, Gentran:Viewpoint®, Sterling Commerce™, Sterling Information Broker®, and Sterling Integrator® are trademarks or registered trademarks of Sterling Commerce, Inc., an IBM Company.

Other company, product, and service names may be trademarks or service marks of others.

Glossary

action message	A properly packaged business action message.
asynchronous	Communication among distributed processes when there is no expectation that the reply to a request comes within the time interval in which the communication session of the request is still “live.”
authorization	Permission to access a protected resource, a service, or sensitive information. This term is often confused with authentication, which is simply verification that a user is who he claims to be. You can be properly authenticated but not be authorized to access a protected resource, a service, or sensitive information.
base 64 encoding	A 65-character subset of US-ASCII is used, enabling 6 bits to be represented per printable character, and the extra 65th character (=) is used to signify a special processing function. The encoding process represents 24-bit groups of input bits as output strings of 4 encoded characters. Proceeding from left to right, a 24-bit input group is formed by concatenating 3 8-bit input groups and these 24 bits are then treated as 4 concatenated 6-bit groups, each of which is translated into a single digit in the base 64 alphabet. Each 6-bit group is used as an index into an array of 64 printable characters. The character referenced by the index is placed in the output string.
BOV	Business Operational View (BOV) is the first section of every PIP specification, which describes the business-related aspects of the PIP. This is information captured from business analysts during development of the PIP. The BOV is the PIP Blueprint as approved by the RosettaNet members.
business action	A message with content of a business nature such as a Purchase Order Request or a Request For Quote. The exchange of business actions and business signals comprise the message choreography necessary to complete a business activity specified by a PIP.
business activity	A PIP encapsulates one or more discrete business activities as specified by the business analysts during development of the PIP blueprint. The exchange of business actions and business signals comprise the message choreography necessary to complete a business activity specified by a particular PIP. Example For example, PIP 3A4 (Manage Purchase Order) specifies three (3) separate business activities: Create Purchase Order, Change Purchase Order, and Cancel Purchase Order.

business message	See <i>RosettaNet business message</i> on page 1 - 5.
business signal	A message exchanged between two RosettaNet network applications to communicate certain events within the execution of a PIP instance. Examples of signals include “receipt and successful validation of a message” (Receipt Acknowledgement) and “receipt of a message out of sequence” (General Exception). A signal is used to communicate an exception condition within the normal message choreography of a PIP. See also <i>process control PIP</i> on page 1 - 4.
compliance	A RosettaNet implementation is compliant if and only if it fully meets each and every requirement of the RNIF specification. In particular, each and every transaction, action, or data element transmitted by the implementation must be valid as defined in <i>validation</i> on page 1 - 6. Compliance testing is the act of comparing the operation of an implementation against the specified requirements to determine compliance or noncompliance.
conformance	The ability to unambiguously demonstrate that a particular implementation is correct with respect to its formal model.
cryptographic keys	Cryptographic keys are central to cryptographic operations and so they must be kept secret because whoever possesses a given key has access to any data with which the key is associated. For example, if a key is used to encrypt a file, anyone with a copy of that key can decrypt the file. Furthermore, anyone possessing a key used to sign messages can forge that message’s signature.
data element	A basic unit of identifiable and definable data (ISO 10324,1997), a basic unit of data for the purpose of recording and interchange (ISO 2146,1988).
digital certificates	The digital certificate is a common credential that provides a method of verifying identity. A certificate is a set of data that identifies an entity. A trusted organization assigns a certificate to an individual or entity that associates a public key with the individual. The individual or entity to which a certificate is issued is termed the subject of that certificate. The trusted organization that issues the certificate is a Certification Authority (CA) and is known as the certificate’s issuer. A trustworthy CA will only issue a certificate after verifying the identity of the certificate subject. Certificates use cryptographic techniques to limit the possibility of an unethical person intercepting, altering, or counterfeiting messages. These cryptographic techniques make certificates difficult to modify and thus, it is difficult for an entity to impersonate someone else. The data in a certificate includes the public cryptographic key from the certificate subject’s public/private key pair. The message recipient using the sender’s public key can only retrieve a message signed with its sender’s private key, which can be found on a copy of the sender’s certificate. Retrieving a signature with a public key from a certificate proves that the signature was produced using the certificate subject’s private key. If the sender is vigilant and keeps the private key secret, the receiver can be confident in the identity of the message sender.

DTD	The Document Type Definition (DTE) is a type of schema used to specify the structure and semantics of an XML document or message.
E-business	An enterprise that conducts many of its business functions through electronic methods.
framework	A set of related architectural components.
FSV	Functional Service View (FOV) is the second section of every PIP specification. The FSV describes the PIP exchange protocol sometimes termed the message choreography or dialogue between trading partners during the execution of the PIP. The FSV is derived systematically from the BOV.
guideline	A set or collection of specifications, sometimes including specific implementation advice.
header	Control information prepended to content.
IFV	Implementation Framework View (IFV) provides the transfer protocol specific requirements for any given PIP, based upon the requirements in the BOV and FSV sections of the PIP, as well as the format of the service content. The mapping of the transfer protocol specific requirements is provided in an appendix in the RNIF: Core Specification 02.00, and the format of the service content is packaged with the PIP specification.
implementation framework	Guidelines for creating instances of related architectural components.
manifest	A component of the Service Header that provides information (in the form of a structured listing) about the payload. It describes certain characteristics of the Service Content and also lists the number of attachments included in the payload.
message	A properly packaged business action or business signal. See also <i>business action</i> on page 1 - 1, <i>business signal</i> on page 1 - 2, and <i>RosettaNet business message</i> on page 1 - 5.
message choreography	The exchange of business actions and business signals required to complete a business activity specified by a particular PIP.

message guideline	A message guideline is part of a published RosettaNet specification which provides information that supports, but cannot be specified in, a particular declarative schema. Both the message guideline and the declarative schema (presently an XML DTD) are used to validate that a particular message or service content is properly formatted and uses expected values.
non-repudiation	The ability of a message transfer system to provide unforgeable evidence that a specific action occurred. The three types of the non-repudiation services which are most common are: non-repudiation of origin, non-repudiation of submission, and non-repudiation of delivery. Non-repudiation of origin protects against any attempt by a message originator to deny sending a message. Non-repudiation of submission protects against any attempt by a message transfer agent to deny that a message was submitted for delivery. Non-repudiation of delivery protects against any attempt by a message recipient to deny receiving a message.
one-action activity	A business activity comprised of the following message choreography is a one-action activity: Partner A sends a business action to Partner B and Partner B sends a Receipt Acknowledgement signal back to Partner A. When these messages have been exchanged successfully between these trading partners, the activity is deemed complete. PIP 2A1 (Distribute New Product Information) is an example of a PIP that specifies one-action activities.
partner Interface Process (PIP)	A model that depicts the activities, decisions, and partner Role Interactions that fulfill a business transaction between two partners in a given supply chain. Each partner participating in the partner interface process must fulfill the obligations specified in a PIP instance. If any one party fails to perform a service as specified in the PIP implementation guide, the business transaction is null and void.
payload	The Service Content plus any file attachments comprises the payload component of a RosettaNet Business Message. The payload is packaged together with the headers to form a complete RosettaNet Business Message.
PIP	See <i>partner Interface Process (PIP)</i> on page 1 - 4.
preamble header	An XML document that identifies the name and version of the standard with which the business message is compliant. This is packaged together with other headers and the payload to form a complete RosettaNet Business Message.
process control PIP	A type of PIP used to communicate process states outside the context of the process instance with which it is associated. For example, PIP 0A1 (Notification of Failure or NoF) is a process control PIP that is used to communicate an exception condition that occurs outside the normal message choreography of the subject PIP. See also <i>business signal</i> on page 1 - 2.

protocol	A protocol is a formal set of rules and conventions that governs how computers exchange information over a network medium.
receipt acknowledgment	A positive business signal that acknowledges receipt of a message. The Receipt Acknowledgment is sent from the receiver of a valid business action message back to the sender. Validity of the message is determined by RNIF base-level validation or by additional validation requirements negotiated between trading partners.
RosettaNet business message	The logical grouping of the preamble header, delivery header, service header, and payload (only for business action messages).
schema	A specification for the structure and semantics of some related data. The schema is used to validate or otherwise understand a group of data. One type of schema is the XML-DTD.
service	A networked application that is capable of participating in a RosettaNet conversation.
service message	Messages exchanged between services.
service content	The primary component of the payload of a RosettaNet Business Message, which is an XML document that represents the business content specified by a particular PIP. The Service Content plus any file attachments comprises the payload component of the RosettaNet Business Message.
service header	An XML document that identifies the PIP, the business activity, and action with which the business message is associated: the sending and receiving services, partners, roles, etc. It is packaged together with other headers and the payload to form a complete RosettaNet Business Message.
single action activity	See <i>one-action activity</i> on page 1 - 4.
solution partner	An organization or company that produces an RNIF 2.0-compliant products.
specification	A detailed document that provides a definitive description of a system for the purpose of developing or validating the system.
standard	A set of clearly defined and agreed-upon conventions for specific programming interfaces which have been approved by a formally constituted standards-setting body.

structure	Something composed of organized or interrelated elements or the manner in which the elements of something are organized or interrelated.
synchronous	A mode of coordination of communication among distributed processes that requires request-reply pairs to occur within the bounds of some time interval in which the communication session is “live.”
syntax	The patterns of formation of sentences and phrases from words and the rules for the formation of grammatical sentences in a language.
TPA	See Trading Partner Agreement.
trading partner	An organization or company that transacts business using RosettaNet specifications.
Trading Partner Agreement (TPA)	Information exchanged between trading partners that describes certain mutually agreed upon execution parameters and service level expectations that will be used when conducting business.
two-action activity	A business activity comprised of the following message choreography: Partner A sends a business action to Partner B, Partner B sends a Receipt Acknowledgement signal back to Partner A, then later Partner B sends a response business action to Partner A, and Partner A sends a Receipt Acknowledgement back to Partner B. When these messages have been exchanged successfully between these trading partners, the activity is deemed complete. PIP 3A4 (Manage Purchase Order) is an example of a PIP that specifies a two-action activity.
valid XML document	An XML document is valid if it has an associated document type declaration (DTD) and if the document complies with the constraints expressed therein.
validation	<p>A data element, action, transaction, or process is valid if (and only if) it meets each and every requirement of the RNIF specification, as well as every requirement of the relevant PIP specification. Validation is the act of comparing such an entity against the specified requirements to determine validity or invalidity.</p> <p>Note</p> <p>Each action within a transaction must meet the content and sequence requirements for that transaction. Similarly, each transaction within a process must meet the content and sequence requirements of that process. Such validation is an essential part of testing an implementation. It is also anticipated that the validation team will develop specific requirements for such validation during production use of an implementation.</p>

vocabulary The collection of words known to a particular person or group and used for a particular purpose.

well-formed XML document An XML document that, in its entirety, matches the XML production labeled “document,” meets all the well-formedness constraints specified in the XML specification, and each of the parsed entities which is referenced directly or indirectly within the document is well-formed.

XML document A data object made up of virtual storage units called entities that contain either parsed or unparsed data. Parsed data is comprised of characters, some of which form the character data in the document, and some of which form markup. Markup encodes a description of the document storage layout and logical structure.
