Gentran:Server® Workstation

Getting Started Guide

Version 6.1

Sterling Commerce
An IBM Company

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Introduction

Welcome

Welcome to Sterling Commerce's Gentran:Server for UNIX® electronic data interchange (EDI) and electronic commerce (EC) software.

Who should use this guide

This guide is for the following audiences:

- Administrators responsible for installing and configuring EDI or EC application software
- Users of the Gentran:Server Workstation product

Use this table to determine which chapters are for you.

If you are...	Then refer to...
An administrator	Chapter 1-2
Using Gentran:Server for the first time	Chapters 3-5
A user and you are upgrading from Gentran:Server 5.4	Chapters 3-5
A user and you are upgrading from Gentran:Server 5.3 or prior version	Chapters 3-6

Reference
See the Chapter Content topic for a description of each chapter.

Note
This guide documents procedures for both the Application Integration Mapper and the Visual Mapper. Unless otherwise stated, the procedures for using these mappers are the same.

(Continued on next page)

Required skills

This guide assumes that you are familiar with basic Windows concepts and commands, including:

- How to navigate and operate within the Windows environment
- How to use DOS commands and the DOS window within the Windows desktop

Product packaging

Your Gentran:Server Workstation package should include the following items:

- A CD containing the Gentran:Server Workstation software and the Communications Toolkit
- A CD containing the Gentran:Server EDI Standards
- A CD containing the Gentran:Server online documentation
- The *Gentran:Server Workstation Getting Started Guide*

Notes

If your company purchased the ODBC Database Drivers, your package should also contain:

- A CD containing the ODBC Database Drivers
- The Installation Card for ODBC Drivers

If your company is continuing to use the Visual Mapper (versions 5.3 and prior), then your package should also contain:

- A CD containing the Visual Mapper
- The Installation Card for Visual Mapper - Workstation

WARNING

If additional installation instructions came with your Gentran:Server for UNIX shipment, those instructions take precedence over the instructions listed here.

Supported Configurations

Hardware specifications

Each workstation computer needs the following resources for you to install and run Gentran:Server Workstation version 6.1.

- A CD-ROM drive
- A Pentium-class or equivalent processor
- A minimum processor speed of 166 MHz (333 MHz recommended)
- A color VGA or SVGA monitor
- Microsoft Windows 98®, Windows ME®, Windows NT® 4.0 SP6a, or Windows 2000 (Server and Professional) SP1
- A minimum of 32 MB of memory (64 MB recommended)
- A minimum of 195 MB of free disk space for the Gentran:Server software. (Additional disk space is necessary for customer data, archive, EDI standards, etc.)
- A minimum of 300 MB of free disk space for the EDI Standards database to install the standards on your hard drive, or 50 MB of free disk space on your workstation if you install the standards on a network server
- Microsoft Internet Explorer 5.0 or higher

Note
Your Windows operating system may require updates to work correctly. Check the following Microsoft web site to determine and download the latest service packs for your operating system:

http://www.microsoft.com/windows/downloads/default.asp

(Continued on next page)

ODBC option - translation requirements

Gentran:Server's ODBC translation option only supports the following databases and versions:

Operating Systems	Database
Windows 98 Windows ME Windows NT® 4.0 plus SP6a Windows 2000 (Server and Professional) plus SP1	Informix 7.x, 9.x (via Informix Connect)
	Informix Dynamic Server 9.x, Informix 2000
	Oracle 7.1, 7.2, 7.3 (7.x functionality via SQL*Net 2.x)
	Oracle 8.0.5+, 7.3, 8i (via NET 8, 8.04+)
	Oracle 8.16
	Note: Support for Oracle databases does not include support for the Oracle Exadata platform.
	Sybase SQL Server 4.92
	Sybase System 10, 11, Adaptive Server 11.x, 12.0
	Sybase ASE (System 10, 11, Adaptive Server 11.x, 12.0)

Chapter Content

Description of content

This table describes the content of the chapters within the *Gentran:Server Workstation Getting Started Guide*.

Chapter Title	Description
About this Guide	This preface describes the purpose and content of this guide. It describes the supported hardware and software configurations.
Chapter 1 - Installing Gentran:Server Workstation	Explains how to install Gentran:Server Workstation version 6.1 into a new directory.
Chapter 2 - Setting Up Communications	Explains how to set up communications using CLEO software.
Chapter 3 - Introducing Gentran:Server	Describes the basic architecture of the Gentran:Server software.
Chapter 4 - Using Gentran:Server	Explains how to start and exit Gentran:Server, describes the user interface, and explains how to set default values for your system.
Chapter 5 - Working with Application Integration	Contains procedures for working with Application Integration Mapper files in Workstation. Includes instructions for checking out, saving, and checking in files.
Chapter 6 - Working with the Visual Mapper	Contains procedures for working with Visual Mapper files in Workstation. Includes instructions for checking out, saving, and checking in files.
Glossary	Gentran:Server and industry-related terms.

Product Installation

In this guide

This guide explains how to install and configure:

- Gentran:Server Workstation version 6.1
- Online documentation for Gentran:Server
- The Gentran:Server Standards
- The Communications Toolkit

Note
These instructions apply only to new installations of Gentran:Server Workstation.

Installation options

You can install each option separately after installing the core Gentran:Server software. This table lists the CD containing each option and the instructions for installing the option.

To install the…	Use…
XML Translation Extension	the core installation CD. **Note** This option is installed during the core product installation. The serial number you enter validates your purchase of the XML Translation Extension.
HIPPA features	the core installation CD. **Note** The installation process asks if you want to install optional HIPAA features for Gentran:Server Workstation 6.1.
ODBC Database Drivers	the Workstation ODBC Drivers installation CD. **Note** You need to supply a serial number to install the ODBC Database Drivers. **Reference** See the separate install card titled “ODBC Drivers - Workstation Installation Instructions.” (Continued on next page)

(Contd) To install the…	Use…
Visual Mapper (earlier version of mapper available to customers with versions of Gentran:Server 5.3 or earlier)	the Workstation Visual Mapper installation CD. **Note** You need to supply a serial number to install the Visual Mapper. **Reference** See the separate install card titled “Visual Mapper - Workstation Installation Instructions.”
Extensions	the documentation shipped with other options or add-on software for installation instructions.

Related Publications

Gentran:Server documentation

This table describes additional documentation for the Gentran:Server software.

Document	Description
Upgrade and Data Conversion Guide	Instructions for upgrading from previous versions of Gentran:Server Workstation and Gentran:Server for UNIX. Also includes instructions for converting the files that are part of the upgrade.
Application Integration User's Guide	Instructions for performing mapping and translation tasks using the Gentran:Server Application Integration Mapper.
Mapping and Translation Guide	Instructions for performing mapping and translation tasks using the Gentran:Server Visual Mapper. **Note** This guide is provided only if you maintain maps created with Gentran:Server version 5.3 or prior.
NCPCP User's Guide	Instructions for mapping and translating NCPDP files with the Application Integration system.
XML User's Guide	Instructions for mapping and translating XML files with the Application Integration system. **Note** This guide is provided only if your organization has the Gentran:Server XML translation option.
ODBC User's Guide	Instructions for mapping and translating ODBC files with the Application Integration system. **Note** This guide is provided only if your organization has the Gentran:Server ODBC translation option.
GENCOD User's Guide	Instructions for mapping and translating GENCOD files with the Application Integration system and the Visual Mapper.
VDA User's Guide	Instructions for mapping and translating VDA files with the Application Integration system and the Visual Mapper.

(Continued on next page)

(Contd) Document	Description
Technical Reference Guide	Describes processes, lists command-line commands in alphabetical order, and describes file record layouts and data type formats.
Maintenance and Troubleshooting Guide	Instructions for maintaining your Gentran:Server installation. Also provides troubleshooting information to help determine the cause and solution of problems that may occur.
Online Help	Context-sensitive help screens describing the Gentran:Server dialog boxes for the mapping and translation features. Also includes procedures for using the mapping and translation and the data flow administration software.
Readme file	Information about recent enhancements included with this software release. This file is in the */readme* directory on the Windows client computer.

CHAPTER
1

Installing Gentran:Server

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Overview

Introduction

Chapter contents

This chapter contains instructions for installing Gentran:Server® Workstation® version 6.1 into a new directory structure.

Key terms

This table describes key terms used in this chapter.

Term	Description
default	A value that is automatically assigned if the user enters no value.
Windows computer	A PC that uses the Windows operating system. For Gentran:Server Workstation, the operating system can be: ◗ Microsoft Windows 98® ◗ Windows ME® ◗ Windows NT® 4.0 SP6a ◗ Windows 2000 (Server and Professional) SP1.

Stages of Installation

Stage Table

This table describes the stages of the installation process for Gentran:Server Workstation. Detailed instructions for completing each stage are contained in the sections that follow.

Stage	Description
1	Installation of Gentran:Server Workstation into the default directories, or into a new directory created and named by you, and installation of the Communications Toolkit
2	Installation of Microsoft Data Access Components
3	Installation of Gentran EDI Standards
4	Installation of the Gentran:Server online documentation
5	Installation of Acrobat Reader version 4.0 or higher with search function
6	Installation of optional components, if applicable, including ODBC Database Drivers and Visual Mapper
7	Conversion of existing data, if upgrading from a previous version **Reference** See the *Gentran:Server for UNIX and Workstation Upgrade and Data Conversion Guide* for more information.

XML installation

The XML translation option is installed on your computer automatically if your company purchased the option.

Procedures

How to Install Gentran:Server Workstation

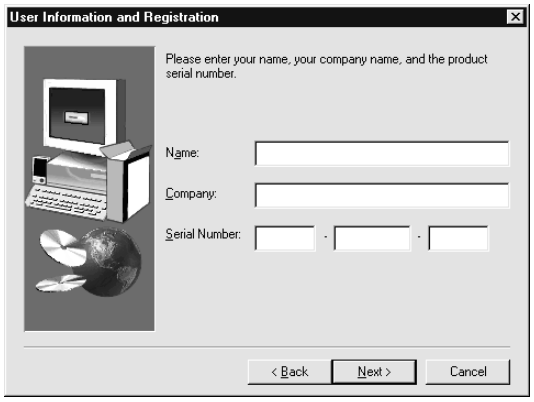
Introduction

This topic explains how to install Gentran:Server Workstation software onto a Windows computer from the CD.

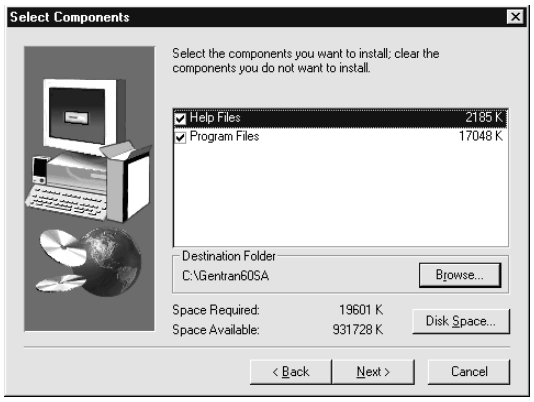
Procedure

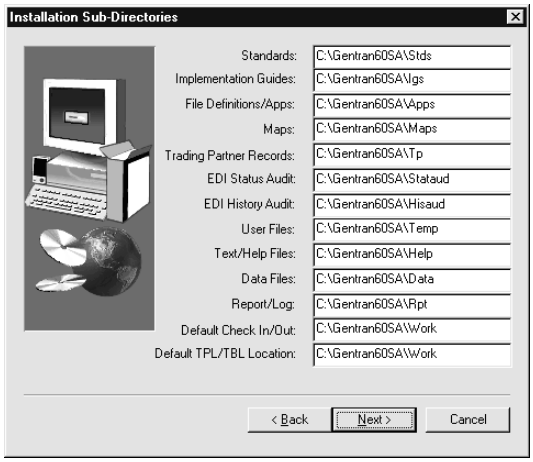
Use the following procedure to install the Gentran:Server Workstation.

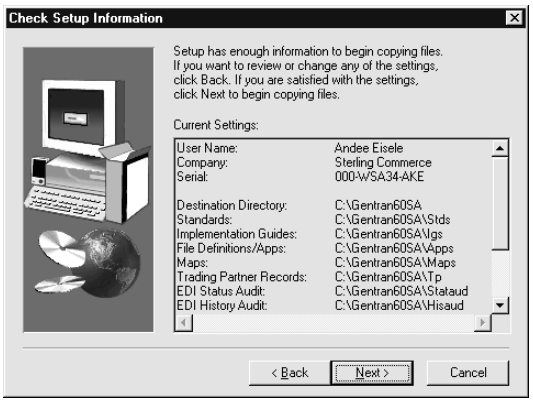
Step	Action
1	Close all programs running on your computer.
2	Insert the installation CD into the CD-ROM drive of your PC.
3	Did the installation program start automatically and display the Welcome dialog box? ◗ If YES, GO TO Step 5. ◗ If NO, continue to next step.
4	Select **Run** from the **Start** menu in the **Run** dialog box, type the following command where <drive> represents the letter assigned to your CD-ROM drive, then click **OK**. **Example** <drive>:\setup **System Response** Setup displays the Welcome dialog box.
5	Click **Next** to continue. **System Response** Setup displays the Gentran:Server 6.1 License agreement dialog box. (Continued on next page)

(Contd) Step	Action
6	Click **Yes** to accept the license agreement and continue installation. **System Response** Setup displays the User Information and Registration dialog box. 
7	Enter your name, company, and the serial number printed on the packing list. Click **Next**. **Note** You must complete all three fields to continue with installation of Gentran:Server Workstation. **System Response** Setup displays the Choose Destination Location dialog box.
8	Do you want to change the directory where Gentran:Server is installed? ◗ If YES, continue with the next step. ◗ If NO, then GO TO Step 10. **WARNING** **If you have an earlier version of Gentran:Server installed, be sure to use a different root directory for your Gentran:Server 6.1 software.** (Continued on next page)

(Contd) Step	Action
9	Click **Browse** to go to the desired location and click **OK**; continue with the next step. **Comments** You can type into the Browse dialog a path that Setup will create during installation. If the pathname contains a folder that does not exist, Gentran:Server displays the prompt: Do you want to the folder to be created?" Be sure that the path you specify contains no spaces, and no punctuation other than a backslash (\) between directories.
10	Click **Next** to accept the destination. **System Response** Setup displays the HIPAA dialog box.
11	Do you want to install HIPAA features? ◗ If YES, click **Yes**. ◗ If NO, click **No**. If you are not sure, we recommend that you choose **No**. **Note** If you choose **Yes**, each time it starts, Gentran:Server Workstation verifies that the computer's password screen-saver feature is enabled. **System Response** Setup displays the Setup Type dialog box.
12	Do you want to select which components of the product to install? ◗ If YES, select **Custom Installation** and click **Next**. GO TO Step 15. **Note** Before you select the components you want to install, contact Customer Support for assistance. ◗ If NO, select **Full Installation**. Click **Next** and then continue with the next step. (Continued on next page)

(Contd) Step	Action
13	Does a previous version of Gentran:Server still exist on your machine? ◗ If YES, continue with the next step. ◗ If NO, GO TO Step 17.
14	Do you want to overwrite the previous installation? ◗ If YES, click **YES** and GO TO Step 17. ◗ If NO, click **NO**. Browse to a new destination and then click **Next**. **Caution** You should install Gentran:Server 6.1 into a new folder (directory) to prevent overwriting existing information.
15	Select the components you want to install from the list in the Select Components dialog. (Select to include a component; clear to omit it.)  **Notes** The **XML Component Files** option only appears if the serial number you entered on the User Information and Registration screen validates your purchase of the XML Translation extension. Click the **Disk Space** button to check for available disk space on other drives.
16	Click **Next**. (Continued on next page)

(Contd) Step	Action
17	Do you want to change the Program Folder to which Setup will add program icons? ◗ If NO, click **Next**. ◗ If YES, type a new folder name, or select one from the existing Folders list, and click **Next**. **System Response** Setup displays the Sub-Directory Name dialog box.
18	Do you want to accept the default program sub-directory names? ◗ If YES, click **Yes** and GO TO Step 20. ◗ If NO, click **No** and continue with the next step.
19	Type the path names of the sub-directories to which you are installing the Gentran:Server files. When you are finished, click **Next** to save your changes.  **Comment** You can type paths that Setup will create during installation. Be sure that the paths you specify contain no spaces, and no punctuation other than a backslash (\) between directories. **System Response** Setup displays the Check Setup Information dialog box. (Continued on next page)

(Contd) Step	Action
20	Are the displayed current settings correct? ◗ If YES, click **Next** to continue. ◗ If NO, click **Back** until you find the dialog you must change. Make your changes, then click **Next** until you return to the Check Setup Information dialog box. Click **Next** to continue.  **System Response** Setup displays progress information as it installs the software. **WARNING** **The Setup script displays warning messages if it cannot copy one or more Gentran:Server files to the destination. Write down each message before you click OK to dismiss it.**
21	Did the Setup program display any warning messages during the installation process? ◗ If YES, click **Exit** and continue with the next step. ◗ If NO, Setup displays the View Readme File dialog box. GO TO Step 23.
22	Are any programs running on the client other than the Gentran:Server Setup program? ◗ If YES, then close those programs and return to Step 3. ◗ If NO, call Customer Support with a list of the warning messages. (Continued on next page)

(Contd) Step	Action
23	Do you want to want to view the README file at this time? ◗ If YES, click **Yes** and close the window when finished. ◗ If NO, click **No**. **System Response** Setup displays the Setup Complete dialog box.
24	Do you want to install the Microsoft Data Access Components (MDAC)? ◗ If YES, GO TO topic How to Install MDAC 2.6 Components in this chapter. ◗ If NO (you already have MDAC), clear the checkbox and continue to the next step. **Note** You must have MDAC to use the Gentran EDI Standards database. The minimum version required is 2.1sp1a. This MDAC installation process installs version 2.6.
25	Click **Finish**.
26	Do you want to let Setup restart the computer now? ◗ If YES, remove any disks from the disk drive and click **Yes**. ◗ If NO, click **No**.
27	Click **Finish** to complete setup. **System Response** Setup displays the Gentran:Server 6.1 dialog box

How to Install MDAC 2.6 Components

Introduction

To read the EDI standards provided with Gentran:Server for UNIX, you must have Microsoft Data Access Components (MDAC) 2.1sp1a or higher installed on each PC or client. MDAC include ActiveX® Data Objects (ADO), OLE DB, and Open Database Connectivity (ODBC). Data-driven client/server applications use these ODBC drivers and other components to integrate information from a variety of sources.

If you do not already have MDAC on the PC, you must install it before you install the EDI standards. This topic explains how to install MDAC.

Installing MDAC

Use this procedure to install MDAC 2.6 on a PC.

<table>
<tr><th>Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="4">1</td><td colspan="2">Use this table to determine your first action.</td></tr>
<tr><td>IF you are …</td><td>THEN…</td></tr>
<tr><td>Continuing from the PC setup program</td><td>Leave the I would like to install Microsoft MDAC 2.6 check box selected on the Setup Complete dialog box. Click Finish and GO TO Step 5.</td></tr>
<tr><td>Installing MDAC after exiting the PC setup program</td><td>Continue with Step 2.</td></tr>
<tr><td>2</td><td colspan="2">Insert the installation CD into the CD-ROM drive of the PC computer.</td></tr>
<tr><td>3</td><td colspan="2">Select Run from the Windows Start menu.

System Response
Windows displays the Run dialog box.

(Continued on next page)</td></tr>
</table>

(Contd) Step	Action
4	Type the following command in the **Run** dialog box and click **OK**. <drive>:\mdac_typ.exe where <drive> is your CD-ROM drive. **System Response** Your system loads the Microsoft Data Access Components 2.6 Setup program and displays the Microsoft Data Access Components 2.6 Setup dialog box.
5	Select the checkbox on the End User License Agreement of the Microsoft Data Access Components 2.6 Setup dialog box to accept the terms of the licensing agreement; then click **Next**. **System Response** Setup displays the Microsoft Data Access Components 2.6 Setup dialog box.
6	Click **Next**.
7	Click **Finish**.
8	Click **Close**. **System Response** Setup displays the Gentran:Server Setup complete dialog box, which asks whether you want to reboot the PC now or later.
9	Do you want to restart the PC now? ◗ If YES, click **Yes**. Remove any disks from the PC disk drives. ◗ If NO, click **No**.
10	Click **Finish** to complete setup.

How to Install Gentran Standards

System requirements

The amount of hard disk space required to use the Gentran EDI Standards database depends on the following:

- New install (run from EDI Standards CD)
  Approximately 10 MB of hard disk space to install the EDI Standards database to run from the CD.
- New install (install on hard drive)
  Approximately 300 MB of hard disk space to install the EDI Standards database to run from your hard drive.

Before you begin

You must install Microsoft Data Access Components (MDAC) 2.1sp1a or higher before you install Gentran EDI Standards.

Caution
Install your Gentran product before you install the EDI Standards database.

Note
If you have already set up this machine to run EDI standards from the CD-ROM drive, you only have to exchange the old standards CD for the most current Standards CD. You do *not* have to complete the installation procedure below.

Updated versions included

Please refer to the readme.txt file provided on the Gentran:Server Standards CD for the most current information about the standards.

For fast access, install the Gentran EDI Standards database on your hard drive. This requires approximately 10 MB of free space for the temporary installation files and 300 MB for the EDI Standards database. You can also access the Gentran Standards database directly from the CD-ROM.

The Gentran EDI Standards database is updated periodically, produced on CD-ROM separate from products, and available at your request (usually on a quarterly basis).

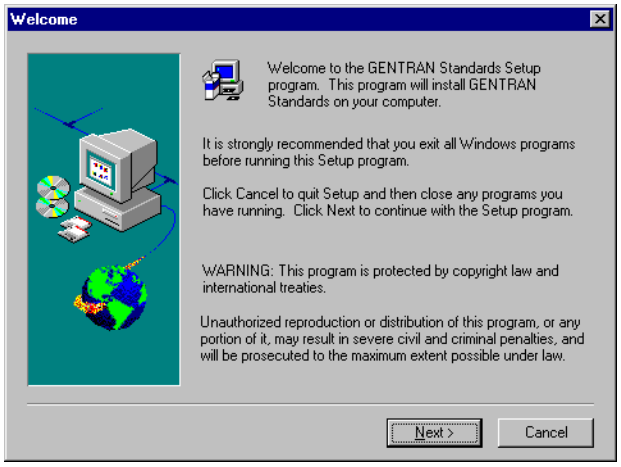
Additional standards included

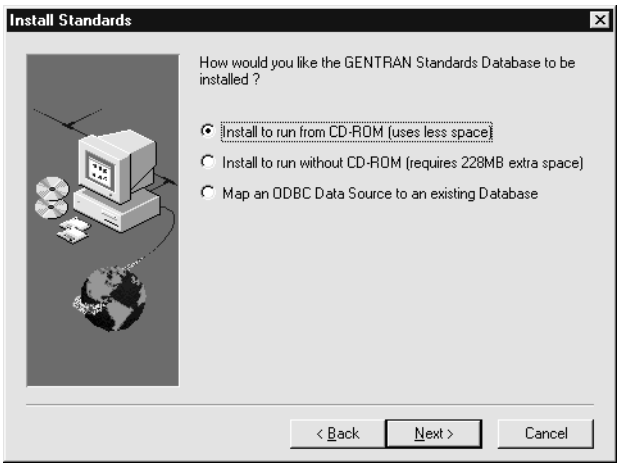
The Standard CD also contains folders for NCPDP and VDA standard templates. See the *Gentran:Server for UNIX and Workstation HIPAA Compliance and NCPDP User's Guide* and the *Gentran:Server for UNIX and Workstation VDA User's Guide* for instructions on how to copy the templates.

(Continued on next page)

Installing the Standards Database

Complete the following steps to install the EDI Standards database:

Step	Action
1	Close all programs on your computer.
2	Insert the Gentran Standards CD into your CD-ROM drive.
3	Select **Run** from the **Start** menu.
4	Type <drive>:\I386\setup.exe Where: <drive> is your CD-ROM drive (for example, **D:\ or E:**) **System Response** Setup prepares the wizard that guides you through the install program. This may take several seconds. When the wizard is ready, the system displays the Welcome dialog box.  (Continued on next page)

(Contd) Step	Action
5	Click **Next>** to continue the Setup program. **System Response** Setup displays the Install Standards dialog box.  (Continued on next page)

<table>
<tr><th>(Contd) Step</th><th colspan="3">Action</th></tr>
<tr><td rowspan="4">6</td><td colspan="3">Use the following table to determine your next action.</td></tr>
<tr><td>IF you select…</td><td>THEN…</td><td>AND…</td></tr>
<tr><td>Install to run from the CD-ROM</td><td>Click Next> to install the EDI Standards database and the ODBC components

System Response
Setup displays the Select ODBC Data Source dialog box.</td><td>Proceed with Step 7.</td></tr>
<tr><td>Install to run without CD-ROM</td><td>Click Next> to install the EDI Standards database and ODBC components.

System Response
The system displays the Standards Destination dialog box.</td><td>Type the destination or click Browse and select where you want the EDI Standards database to be stored. Proceed with Step 7.

System Response
The system displays the Select ODBC Data Source dialog box.

Note
At least 300 MB must be available. If there is insufficient space available on the drive you specified, you will be prompted to select another location or increase the amount of space available in the target directory.</td></tr>
<tr><td>Map an ODBC Data Source to an existing Database</td><td>Do not select this option.</td><td>(Continued on next page)</td></tr>
</table>

<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="5">7</td><td colspan="2">Use the table to determine your next step.</td></tr>
<tr><td>IF you…</td><td>THEN…</td></tr>
<tr><td>Accept the default Gentran Standards</td><td>Click Next</td></tr>
<tr><td>Specify a new data source name</td><td>Type the name in the field and the Click Next.</td></tr>
<tr><td colspan="2">System Response
The system displays the prompt: Setup is ready to install Gentran Standards. Would you like to proceed?</td></tr>
<tr><td>8</td><td colspan="2">Click Yes to install Gentran Standards.

Note
If you receive messages that a .DLL is currently in use, click Ignore to continue the installation. You receive these messages when a service (like the SQL Executive service) is running in the background. The system will still install the EDI Standards database correctly.

System Response
Setup displays a message indicating that the EDI Standards database installation is complete.</td></tr>
<tr><td>9</td><td colspan="2">Click OK.</td></tr>
</table>

How to Install Optional Components

Introduction

If you have the following optional components for Gentran:Server Workstation 6.1, install them now.

- ODBC Database Drivers
- Visual Mapper

ODBC Database Drivers

Use the Workstation ODBC Database Drivers installation CD and see the separate card titled “ODBC Drivers - Workstation Installation Instructions” for detailed instructions.

Visual Mapper

Use the Workstation Visual Mapper installation CD and see the separate card titled “Visual Mapper - Workstation Installation Instructions” for detailed instructions.

How to Convert Existing Data

Introduction

If you are upgrading from Gentran:Mentor or from an earlier version of Gentran:Server, you need to convert your existing data.

Reference

Refer to the *Gentran:Server for UNIX and Workstation Upgrade and Data Conversion Guide* for detailed instructions.

CHAPTER
2

Setting Up Communications

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Overview

Introduction

The Communications Toolkit

The Communications Toolkit enables Gentran:Server® to use Cleo A+® or Cleo 3780Plus® communication software to access a Value-Added Network (VAN).

Among other services, VANs provide store-and-forward messaging in a dial-on-demand environment. This means that the VAN stores files in a mailbox until the recipient to whom they are addressed dials into the VAN and picks them up.

When to use the Communications Toolkit

Use the Communications Toolkit if you connect to the Commerce Net®, Advantis®, or GEIS® networks, and you use or plan to use either Cleo A+ or Cleo 3780Plus.

What do I need to buy?

The Communications Toolkit is included with Gentran:Server Workstation® and all product levels of Gentran:Server for UNIX®.

However, Cleo A+ and Cleo 3780Plus are not part of the Gentran:Server product; you must purchase Interface Systems' Cleo A+ or Cleo 3780Plus communication software.

How to activate the Communications Toolkit

To activate the toolkit functions, you need to configure the Communications Toolkit and then install the Cleo software.

Communications Toolkits files are included in the Gentran:Server for UNIX host CD and are installed automatically with the Gentran:Server host software.

In this chapter

This chapter provides instructions for setting up the toolkit.

What Is the Communications Toolkit?

Command scripts

Sterling Commerce provides command scripts for the third-party communication packages, Cleo 3780Plus and Cleo A+. The scripts control the processes of:

- Dialing the VAN
- Logging in
- Transmitting waiting files
- Receiving any files waiting on the VAN
- Logging off
- Exiting

Supported VANs

This table describes the VANs and protocols supported by the Communications Toolkit.

VAN	Supported Protocols
Sterling Information Broker (Sterling Commerce)	Asynchronous-ASCII Bisynchronous
Advantis (IBM)	Asynchronous-Xmodem Bisynchronous
GEIS (General Electric Information System)	Asynchronous-Xmodem Bisynchronous

Toolkit parts

There are two primary parts to the Communications Toolkit provided with Gentran:Server:

- Cleo A+ scripts and configuration files
- Cleo 3780Plus scripts and configuration files

(Continued on next page)

Cleo software

Cleo A+

Interface Systems' Cleo A+ is an asynchronous communications package that uses sophisticated scripting to handle various types of communications. It supports several file transfer methods, including ASCII, Xmodem, Ymodem, Zmodem, Kermit, and ANSI CLEAR. It can also perform as an FTP tool, using SLIP, PPP, Telnet, or local modes.

Cleo 3780Plus

Interface Systems' Cleo 3780Plus is a bisynchronous communications package that uses scripting to handle various types of communications. It supports 2780/3780 bisync protocols by using a piece of hardware to convert ASCII data to EBCDIC data for transmission and EBCIDIC data to ASCII data upon receipt of the EBCDIC data.

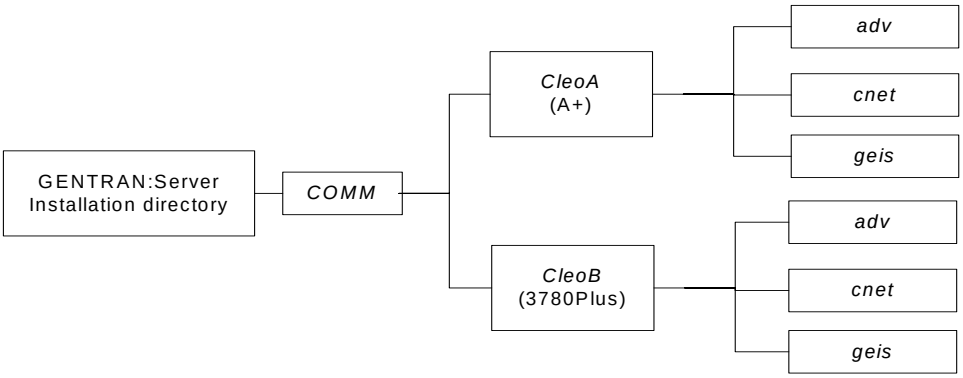
WARNING

The scripts in the Communications Toolkit expect to find the Cleo software in a specific directory relative to the Gentran:Server directories. To prevent complications, install the Cleo software *after* you install and set up Gentran:Server and the Communications Toolkit.

COMM Subdirectory Structure

Diagram

The following diagram illustrates the directory structure required by the Communications Toolkit. Installation of Gentran:Server for UNIX automatically installs the Communications Toolkit files for you.



Location of communication scripts and configuration files

The Cleo communications script and configuration files reside in subdirectories of the COMM CleoA or CleoB subdirectory of the Server directory.

Directory	Contents
Server/COMM/CleoA (A+)	Holds Cleo A+ asynchronous package
Server/COMM/CleoB (3780Plus)	Holds Cleo 3780Plus bisynchronous package

(Continued on next page)

VAN subdirectories

Under the CleoA and CleoB subdirectories, each VAN has its own subdirectory:

- *cnet* for Sterling Information Broker
- *adv* for Advantis
- *geis* for GEIS.

Subdirectory contents

The *adv*, *cnet*, and *geis* subdirectories contain files that enable the communications application to communicate with the corresponding VAN.

You should use the subdirectory appropriate to your network to hold the outbound file <*van*>s that you are transmitting to the VAN.

Note
You should place files you are sending in the communications subdirectory before a session. For example, to send a file to Advantis via an asynchronous communication session, place the file in Server/COMM/CleoA/adv/advs.

During a session, the system places the inbound file <*van*>*r.000* in the communication subdirectory. This file contains any files received during a communications session.

Important files

This table lists the important files that the Communications Toolkit uses or creates.

Filename	Description
<van>.cfg	A configuration file specific to the VAN indicated in the file name.
edilog.fil	A log file produced by each bisynchronous Advantis session. **WARNING** **The program overwrites this file after each session. To save this file, you must copy or move it to another location.**
advmsg.fil	A file containing messages produced by each bisynchronous Advantis session. **WARNING** **The program overwrites this file after each session. To save this file, you must copy or move it to another location.** (Continued on next page)

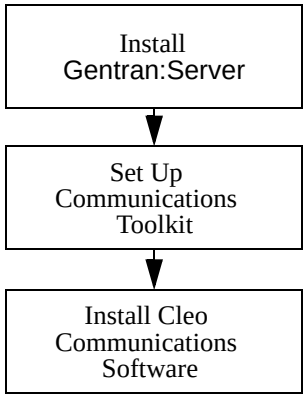
(Contd) Filename	Description
<van>*.job	Cleo job file for connecting to the supported networks. The individual files connect as follows: ◗ *cnetsr.job* - Sterling Information Broker via the CompuServe network local access nodes. ◗ *advsr.job* - IBM Advantis network ◗ *geissr.job* - GEIS network
<van>.log	A log file specific to the last connection made to the indicated VAN.
<van>.mon	A monitor file specific to the last connection made to the indicated VAN.
<van>.ovr	A data translation file that provide protocol transfer information that Cleo requires.
cnet.rpts	A file containing Sterling Information Broker reports.
<van>s	The user data file to be sent to the network. Must be placed in the directory for the specific VAN before connecting to the VAN. **WARNING** **You must move or delete this file after completing the session successfully.** **Gentran:Server will send a duplicate transmission unless this file is overwritten or deleted before the next session.** **Gentran:Server may overwrite the file if you do not move it before the next session. The file will then be unavailable to retransmit data.** (Continued on next page)

(Contd) Filename	Description
<van>r.nnn	The user data file that Gentran:Server receives from the VAN. The first file received has an extension of .000. If the file is moved from the VAN directory before another file arrives, the next file received also has an extension of .000. **WARNING** **The file extension is incremented by one with the receipt of each new file unless the prior version is moved or deleted before the session. If your site uses automated file processing, it may not recognize the incremented file.**
geisrpt.*	A session log report generated by GEIS under 3780Plus or AllSync. **WARNING** **The program overwrites this file after each session. To save this file, you must copy or move it to another location.**

The Communications Toolkit Setup Process

Process flow

This diagram shows the flow of the setup process required to prepare the Communications Toolkit to work with Gentran:Server.



Procedures

How to Set Up Asynchronous Communications

Introduction

This topic contains the procedures for setting up asynchronous communications using VAN scripts that are located in the COMM directory structure. Follow the instructions for the VAN to which you are connecting.

Microcom Network Protocol (MNP)

The Microcom Network Protocol (MNP) enables error correction during transmissions. It is particularly important when connecting to Sterling Information Broker.

Modifying the VAN configuration file

Your Cleo A+ VAN configuration file (*cnet.cfg, adv.cfg*, or *geis.cfg*) contains all or most of the required network configurations. However, you may have hardware issues that require you to modify the file.

This table lists the environment parameters you may need to modify. The Parameter column lists the name of the parameter and the related file.

Parameter	Description
Modem Initialization (*modeminit.cfg*)	This parameter normally contains the async factory default setting for your modem. To use another setting, check the AT commands in your modem user's guide. Usually, the setting & F0 sets up most asynchronous modems in standard asynchronous mode.
Port (*device.cfg*)	This is the port to which the modem is installed. ◗ If you use DOS or Windows, you may use COM2 or a similar setting. ◗ If you use UNIX, you may use */dev/ttyp3* or a similar setting.
Port Speed (*speed.cfg*)	This parameter identifies to Cleo the baud rate of the port so that Cleo knows how fast to write to the port. This is NOT the dial-up connection speed or the modem's baud rate. (Continued on next page)

<table>
<tr><th>(Contd)
Parameter</th><th colspan="2">Description</th></tr>
<tr><td>Terminal Type

(terminal.cfg)</td><td colspan="2">The terminal type is usually VT100 or VT220, depending on the terminal type to be emulated. Refer to the Cleo documentation for more information.</td></tr>
<tr><td>Dial Initialization</td><td colspan="2">This is the most important configuration parameter. It is used to set the unique configuration that a particular VAN expects. Use the following table to guide you in setting this parameter.</td></tr>
<tr><td></td><td>VAN</td><td>Dial-Initialization Settings</td></tr>
<tr><td></td><td>Sterling Information Broker</td><td>◗ MNP error correction protocol
◗ Software Flow Control (also known as XON/XOFF Flow Control)</td></tr>
<tr><td></td><td>Advantis</td><td>◗ MNP error correction protocol
◗ Hardware Flow Control (RTS/CTS)
◗ FTP: Xmodem (in addition to the MNP protocol)</td></tr>
<tr><td></td><td>GEIS</td><td>◗ Either Hardware Flow Control (RTS/CTS) or Software Flow Control
CAUTION
If you use Software Flow Control, make sure the Dial Init and FLOWCONTROL setting in the configuration file are compatible.
◗ FTP: Xmodem</td></tr>
</table>

How to Set Up Bisynchronous Communications

Introduction

This topic contains the procedure for setting up bisynchronous communications using VAN scripts that are located in the COMM directory structure. Follow the instructions for the VAN to which you are connecting.

Editing the configuration file

Your Cleo 3780Plus VAN configuration file (*cnet.cfg, adv.cfg*, or *geis.cfg*) contains all or most of the required network configurations. However, you may have hardware issues that require you to modify the file.

The parameter settings that sometimes need to be increased are:

- Wait Limit
- Retransmission Limit

Important
The configuration file does not contain any labels. Consult the Cleo documentation to determine which lines to edit within the file.

Use this procedure to edit the configuration file for Sterling Information Broker, Advantis, and GEIS.

Step	Action
1	Open the VAN Configuration File in a text editor.
2	Set the **Wait Limit** as needed.
3	Set the **Retransmission limit** as needed.
4	Initiate a Cleo session so you can test communications to the VAN.
5	Check whether a completion status of '0' was returned. • If the status was 0, you are finished editing the configuration file. • If a non-zero was returned, use the <van>.log and <van>.mon files to troubleshoot. **Reference** See the topic Cleo 3780Plus Troubleshooting for more information.

(Continued on next page)

Editing the job file

Use this procedure to edit the job file for cnet bisync communications.

Step	Action
1	Open the job file in a text editor.
2	Set the dialing command. **Example** AUTODIAL n-nnn-nnn-nnnn T60 R3 Where n-nnn-nnn-nnnn is the connection telephone number T60 is the time in seconds to wait for a connection to complete R3 is the number of times to retry a connection attempt. **Comment** We recommend that you use the default time and retry settings.
3	Set mailbox ID and password. You must set it in three separate places: KEY $$REQ ID=xxxxxR BID='nnnnnnn' -x KEY $$REQ ID=xxxxxD BID='nnnnnnn' -x KEY $$ADD ID=xxxxxD BID='nnnnnnn' -x Where xxxxx is the five character network mailbox ID nnnnnnn is the seven digit password. **Warning** **These are the only changes to the job file approved by Sterling Commerce. Any other changes will NOT be supported by Sterling Commerce Support personnel.**

How to Start Up Cleo A+

Description

Interface Systems' Cleo A+ is an asynchronous communications package that uses sophisticated scripting to handle various types of communications. It supports several file transfer methods, including raw ASCII, Xmodem, Ymodem, Zmodem, Kermit, and ANSI CLEAR. It can also perform as an FTP tool, using SLIP, PPP, Telnet, or local modes.

Cleo A+ start-up command

The Cleo A+ start-up command consists of the command to execute the application A+ and several parameters. The two most important parameters are the job file and tokens, which are explained below.

The rest of the information that you can place in the start-up command is identified within the *job* file. A log file is generated automatically.

.job file

This parameter identifies the job file to use for the session. The job file determines how Cleo manages a communication session. There is a separate job file for each VAN which ends with the extension *.job*. For example, the Advantis job file is *advsr.job*.

This table lists the job file that corresponds to each supported VAN.

VAN Async (COMM/CleoA/.)	Job File
Sterling Information Broker via CompuServe	.cnetsr.job
Advantis Expedite/Async	.advsr.job
GEIS EDI*Express	.geissr.job

(Continued on next page)

Tokens

A **token** is a piece of information that is passed to a job, such as the VAN telephone number or your VAN ID. The token parameter identifies the tokens to be passed to the job as it is running.

This table lists the available A+ tokens for each VAN.

VAN	Token Number	Description
Advantis	1	Telephone/modem access number. (n-nnn-nnn-nnnn)
	2	IBM Network Account ID.
	3	IBM Network User ID.
	4	IBM Network Password.
	5	Information Exchange Network Account ID.
	6	Information Exchange Network User ID.
	7	Information Exchange Network Password.
Sterling Information Broker	1	Telephone/modem access number. (n-nnn-nnn-nnnn)
	2	Mailbox ID. (Sxxxx)
	3	Mailbox password. (nnnnnnn)
	4	Mailbox Application ID obtained from network support. (EDIx)
	5	Report slot ID. (xxx)
	6	Data slot ID. (xxx)
	7	Node access host. (compu)
GEIS	1	Telephone/modem access number. (n-nnn-nnn-nnnn)
	2	GEIS Network User Number.
	3	GEIS Network User Password.
	4	Last three digits of the GEIS User Number.

(Continued on next page)

Example start-up command

A+ jobfile=./cnet/cnetsr.job “tokens=18005551212 SX999 1234567 EDIx R D mci”

How to Start Up Cleo 3780Plus

Description

Interface Systems' Cleo 3780Plus is a bisynchronous communications package that uses scripting to handle various types of communications. It supports 2780/3780 bisync protocols by using a piece of hardware to convert ASCII data to EBCDIC data for transmission and EBCDIC data to ASCII data upon reception of the EBCDIC data.

Cleo 3780Plus start-up command

The Cleo 3780Plus start-up command consists of the Cleo command 3780Plus' along with several other parameters. These are required parameters:

Parameter	Description	
-d	Identifies the device or communications port to use this session.	
-j	Identifies the *.job* file to run.	
	VAN Bisync (COMM/CleoB/..)	**Job File**
	Sterling Information Broker	*.cnetsr.job*
	Advantis Expedite/Direct	*.advsr.job*
	GEIS EDI*Express	*.geissr.job*
-k	Used to pass the tokens to the *.job* file as it is running.	

You can use the following optional parameters in the start-up command.

Parameter	Description
-c	Identifies the configuration file to use. The *.job* file includes this information.
-LO	Directs Cleo to generate a new log for the session if one does not exist in the COMM directory or overwrite an existing one. This command is recommended.

Note
The log is not required. However, Gentran:Server support personnel must have the log to assist you in troubleshooting any communication difficulties you may encounter.

(Continued on next page)

GEIS and Advantis tokens

This table lists the available 3780Plus or AllSync tokens for GEIS and Advantis.

Note
To control startup of bisynchronous communications for Sterling Information Broker, you need to edit the job file instead of using tokens.

Reference
See the How to Set Up Bisynchronous Communications topic in this chapter.

VAN	Token Number	Description
Advantis	1	Connection telephone number.
	2	IBM Network Account ID.
	3	IBM Network User ID.
	4	IBM Network Password.
	5	Information Exchange Network Account ID.
	6	Information Exchange Network User ID.
	7	Information Exchange Network Password.
GEIS	1	Connection telephone number.
	2	GEIS Network User Number.
	3	GEIS Network User Password.
	4	Last three digits of the GEIS User Number.

Example start-up command

```
3780Plus -d /dev/tty03 -j ./geis/geissr.job -k 18005551212 GEISID GEISPSWDnnn -LO
```

Start-Up Procedure Examples

Introduction

Communications is not a Gentran:Server application and the procedures to start communications can vary from environment to environment. Once communications are set up, you use the same commands to start it regardless of the platform.

Initiating communications through automated procedures

The communications toolkit has certain expectations regarding file placement. You can automate processes to move the file to and from the VAN directories. You can also automate the start-up process using *.bat* files created in DOS or Windows, or shell scripts created in UNIX or open systems.

Examples

The following examples show what you can implement into an automated communications procedure.

DOS or Windows Users
***.BAT* File Example**

```
copy C:\Server\ediout?.fil C:\Server\comm\cleoa\cnet\cnets

del C:\Server\ediout?.fil

cd \Server\comm\cleoa

aplus jobfile=.\cnet\cnetsr.job “tokens=5551212 SX999 1234567 EDIx R D mci”

copy C:Server\comm\cleoa\cnet\cnetr C:\Server\comm\cleoa\ediin?.fil

del C:\Server\comm\cleoa\cnet\cnetr
```

UNIX Systems Users
Shell Example

```
cp/Server/ediout?.fil /Server/comm/cleoa/cnet/cnets

rm/Server/ediout?.fil

cd/Server/comm/cleoa

A+ jobfile=./cnet/cnetsr.job “tokens=5551212 SX999 1234567 EDIx R D mci”
```

(Continued on next page)

error recovery procedures ie; if$? =gt 0 ...*

cp /Server/comm/cleoa/cnet/cnetr /Server/edliin?.fil

rm /Server/comm/cleoa/cnet/cnetr

Example start-up command

3780Plus -d /dev/tty03 -j ./geis/geissr.job -k 18005551212 GEISID GEISPSWD -LO

Troubleshooting

Communications Session Error Recovery

Introduction

With communications applications, failures can occur. The communications scripts developed by Sterling Commerce are designed to handle common communications errors.

Error messages and end codes

The communications script files (<van>sr.job files), have an “error Fall Thru” section. This section lists the messages that the Cleo application writes to the *.log* file. Each time a session error occurs, the *.job* file posts a relevant error message to the log and returns an end code when it exits the Cleo application. You can use this end code in a shell script (UNIX) or *.bat* file (DOS/Windows) to decide whether communications ended successfully. An end code of 0 indicates success and a non-zero value indicates a failure. The various end code values indicate why the failure occurred.

Sterling Information Broker Async end codes

This table describes the possible end codes generated by a Cleo application in Async (A+) mode and the meaning of each.

Sterling Information Broker Async (A+)	
End Code	**Meaning**
0	Session successful; continue processing.
Non-zero values:	Require further examination
35	Error occurred during dial attempts; connection never established.
50	Error occurred at some point during the logon process to the network. Connection established to communication node but no session established with host.
60	Error occurred while attempting to transmit your outbound data to the network; resend data.
70	Error occurred while attempting to receive inbound data or reports from the network; any data to be sent during that session was NOT sent; retry may be required.

(Continued on next page)

Sterling Information Broker Bisync end codes

This table describes the possible end codes generated by a Cleo application in Bisync (3780Plus) mode and the meaning of each.

Sterling Information Broker Bisync (3780Plus)	
End Code	**Meaning**
0	Session successful; continue processing.
Non-zero values:	Requires further examination
35	Error occurred during dial attempts; connection never established.
40	Error occurred during receive process for inbound data or reports from the network; retry may be required.
50	Error may have occurred at some point during transmittal of 'request cards', 'add' card', or outbound data file; retry may be required.

Advantis Expedite/Direct Async end codes

This table describes the possible end codes generated by a Cleo application in Async (A+) mode and the meaning of each.

Advantis Expedite/Direct Async (A+)	
End Code	**Meaning**
0	Session successful; continue processing.
Non-zero values:	Requires further examination
35	Error occurred during dial attempts; connection never established.
40	Error occurred during logon process; session never established communication to Advantis network, even though connection was made.
50	Error occurred during transmittal of outbound data to Advantis network.
55	Error occurred during transmittal of outbound flat file data to Advantis network.

(Continued on next page)

(Contd) Advantis Expedite/Direct Async (A+)	
End Code	**Meaning**
60	Error occurred during reception of inbound data from Advantis network; retry may be needed.
65	Although data may have been collected by communications, Advantis may not recognize this because the session failed after the data was received; they may send duplicate data in following session.
70	Logoff process failed and Advantis may not have collected or acknowledged your receipt of data.

Advantis Expedite/Direct Bisync end codes

This table describes the possible end codes generated by a Cleo application in Bisync (3780Plus) mode and the meaning of each.

Advantis Expedite/Direct Bisync (3780Plus)	
End Code	**Meaning**
0	Session successful; continue processing.
Non-zero values:	Requires further examination
35	Error occurred during dial attempts; connection never established.
40	Error occurred during logon process; session never established communication to Advantis network even though connection was made.
50	Error occurred during transmittal of data.
55	Error occurred during transmittal of ‘receive’ and ‘receive log’ commands occurred, or acknowledgment from Advantis never received.
60	Error occurred during receive process for inbound data file or reports from Advantis.

(Continued on next page)

GEIS EDI*Express Async end codes

This table describes the possible end codes generated by a Cleo application in Async (A+) mode and the meaning of each.

GEIS EDI*Express Async (A+)	
End Code	**Meaning**
0	Session successful; continue processing.
Non-zero values:	Require further examination
35	Error occurred during dial attempts; connection never established.
40	Error occurred during logon process; session never established communication to GEIS network, even though connection was made.
50	Error occurred during transmittal of commands associated with sending outbound data to Advantis network; data never sent.
55	Error occurred during transmittal of outbound data to GEIS network.
60	Error occurred during transmittal of receive commands for inbound data from GEIS network.
65	Error occurred during reception of data from GEIS network.
70	Error occurred during logoff.

(Continued on next page)

GEIS EDI*Express Bisync end codes

This table describes the possible end codes generated by a Cleo application in Bisync (3780Plus) mode and the meaning of each.

GEIS EDI*Express Bisync (3780Plus)	
End Code	**Meaning**
0	Session successful; continue processing.
Non-zero values:	Requires further examination
35	Error occurred during dial attempts; connection never established.
40	Error occurred during logon process; session never established communication to GEIS network even though connection was made.
50	Error occurred during transmittal of commands associated with sending outbound data to Advantis network; data was never sent.
55	Error occurred during transmittal of outbound data to GEIS network.
60	Error occurred during transmittal of receive commands for inbound data from GEIS network, or failure occurred receiving data from GEIS network.
65	Error occurred during transmission of *EOS command; session may not even be recorded on GEIS network side.

Cleo 3780Plus Troubleshooting

Introduction

This section offers possible solutions to three of the most common situations. See your Cleo documentation for further information.

Problem and solution table

This table lists common problems and solutions.

Problem	Possible Solution
During a RECEIVE process, you encounter a WAIT error.	Increase the Wait Limit parameter in the Cleo configuration file (cnet.cfg, adv.cfg, or geis.cfg).
During a SEND process, you encounter a RETRAN error.	Increase the Retransmission Limit parameter in the Cleo configuration file (cnet.cfg, adv.cfg, or geis.cfg).
At any point in the session, you encounter a BIDLMT error.	Check the documentation for your modem and verify that it can handle synchronous communications, then try again. If the problem continues, contact Cleo Support of Sterling Commerce Customer Support for information and assistance. **Note** The BIDLMT error can occur when you attempt to connect to a bisynchronous line at a speed other than that of the line. For example, if you attempt to connect to a 9600 bisynchronous line at 2400 baud.

Connecting to Other VANs and Directly to Trading Partners

Introduction

If you need to connect to a trading partner directly or to a VAN that is not supported by the Communications Toolkit, you will need to create a Cleo communications script to connect to the VAN. You may also need to create a configuration file.

About creating communications scripts

Scripts are usually created as ASCII text files, which you do not need to compile.

Cleo 3780Plus

The Cleo 3780Plus communications application software enables an ASCII system to emulate a 2780 or 3780 terminal. With 3780Plus, you can transmit and receive data from any system that supports the 2780 or 3780 bisynchronous protocols.

The scripting facility in Cleo 3780Plus is relatively simple to use. However, you must understand the session protocol that the remote system requires.

(Continued on next page)

Basic Cleo 3780Plus commands

The table below lists some *basic* Cleo commands and descriptions. See your Cleo 3780Plus documentation for more detailed information.

Command	Description
AUTODIAL tel# Txx Rxx	Used to dial remote system's modems for a communications connection. ◗ tel# = The number to connect to. ◗ Txx = The timer delay for waiting for an answer from the remote modem. ◗ Rxx = The retry parameter for number of attempts to retry if the dial attempt fails.
KEY msg -ENRX	Used to send a user a specified message. Often used to send commands such as a system logon to a remote system. Unless otherwise specified, Cleo automatically transmits an End of Transmission (EOT) character when the message transmission is complete. The switches that follow the command are used for protocol and translation functions. ◗ -E = Suppress an EOT character after the message is transmitted. ◗ -X = Suppress an End of Text (ETX) character as well as an EOT character after the message is sent. ◗ -N = Send non-transparent data from the message through "as is" (no translation). ◗ -R = Suppress inter-record separators from the transmitted message.
TEXT path/filename -ENRX	Used to transmit specified files to the remote system. The switches that follow the command (-ENRX) are used for protocol and translation functions. See descriptions above. (Continued on next page)

(Contd) Command	Description
RECEIVE path/filename -NX	Used to receive files from the remote system to a specified path and filename. A received EOT character terminates the command. A received ETX character causes Cleo to terminate the write to the specified file and start writing into an incremented filename. Depending on the user filename, Cleo may overwrite the previous data in the specified file. Switches: ◗ -X = Ignore incoming ETX characters ◗ -N = Allow transparent data to be received “as is” (no translation)
VOICE	Hangs up the phone and terminates a session. Usually, the command to terminate the Cleo 3780Plus application (QUIT) follows this command.

Suggestions

- Reference the 3780Plus documentation to learn about the many other session script commands, startup options, and other functions not discussed in this appendix.
- Make sure you are familiar with all the options on the commands before you use them.
- Use the 3780.LOG file to review sessions for errors that may have occurred during the previous communications sessions.
- There is a Monitor file you can use as a line scope to determine what is being transferred to and from your system. This monitor is in EBCDIC Hexadecimal code. There is a conversion chart in the 3780Plus documentation that may help you read this trace.

Cleo A+

Cleo A+ enables users to transmit and receive files from systems that support asynchronous file transfer protocols. You can run sessions interactively or use scripts you have written to perform unattended functions. Several configuration options are available for file transfer: ASCII, Xmodem, Ymodem, Zmodem, Kermit, ANSI, and FTP (slip, ppp, telnet).

The scripting facility in Cleo 3780Plus is relatively simple to use. However, you must understand the session protocol that the remote system requires. A+ allows use of environment variables, user-defined variables, and the ability to control file naming during a session.

(Continued on next page)

Basic Cleo A+ commands

This table includes descriptions of *basic* Cleo A+ commands used to start a dialup, send commands to a remote system, receive files, send files, and terminate the connection. See your CleoA+ documentation for more detailed information.

Command	Description
AUTODIAL tel# Txx Rxx	Used to dial remote system's modems for a communications connection. ◗ tel# = The number to connect to ◗ Txx = The timer delay for waiting for an answer from the remote modem ◗ Rxx = The retry parameter for number of attempts to retry if the dial attempt fails
KEY msg -NTR	Used to send a user a specified message. Often used to send commands such as a system logon to a remote system. Unless otherwise specified, Cleo automatically transmits a CR character when the message transmission is complete. The switches that follow the command are used for protocol and translation functions. ◗ -N= Send non-transparent data from the message through "as is" (no translation). ◗ -T= Force message through the translation table. ◗ -R= Suppress carriage return (CR) from the end of the transmitted message.
SEND path/filename / remote filename -TN	Used to transmit specified files to the remote system. The remote filename parameter is used to send the same filename to the remote system. The switches that follow the command (-TN) are used for translation functions. ◗ -T= Force message through the translation table. ◗ -N= Send non-transparent data from the message through "as is" (no translation). (Continued on next page)

(Contd) Command	Description
RECEIVE path/filename - NT	Used to receive files from the remote system to a specified path and filename. Depending on the file transfer type you are using, when the receive is complete, A+ attempts to write to the specified file or into an incremented filename. A+ may overwrite the previous data in the specified file, depending on the filename. Switches: ◗ -N= Allow transparent data to be received “as is” (no translation). ◗ -T= Force the outbound data through the translation table.
VOICE	Hangs up the phone and terminates a session. Usually, the command to terminate the Cleo 3780Plus application (QUIT) follows this command.

Suggestions

- Reference the A+ documentation to learn about the many other session script commands, startup options, and other functions not discussed in this appendix.
- Make sure you are familiar with all the options on the commands before you use them.
- Use the A+.LOG file to review sessions for errors that may have occurred during the previous communications sessions.

Configuration file

Depending on your partner’s requirements, you may need to create a configuration file. The important thing to remember is that the settings defined in the configuration file that pertain to your system or your modem should always be in sync with each other. Be sure to talk to staff at the remote site to determine its requirements for connection. Never assume anything will work. Even if you guess on how to establish the connection you will still need to determine the session protocol. Talk to your remote staff!

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Extended Communications Support Services (ECS)

If you do not have the resources required to develop the communications or configuration file, Sterling Commerce offers consulting services to create, maintain, install, and test communications. Contact Sterling Commerce Customer Support and ask for communications support for information.

CHAPTER
3

Introducing Gentran:Server

Content

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- Gentran:Server Features 4
- Gentran:Server Mappers 6
- Gentran:Server Workstation Strategy 9
- Running Multiple Sessions 10
- File Name Conventions 14

Introduction

Welcome

Welcome to Gentran:Server®, the electronic data interchange (EDI) software that makes it easy to manage data exchanges between you and your trading partners. The heart of EDI is the translation of data into and out of formats that are intelligible to computerized data management systems.

Gentran:Server enables you to exchange data with your trading partners. When you send application data, Gentran:Server converts your data into EDI standard formats that can be understood by your trading partners. When you receive data in a standardized format, Gentran:Server translates the data into a format your application can understand.

You can use Gentran:Server to describe your applications, edit standards, maintain trading partnership information, and generate translation "maps," which are sets of instructions for translating data.

Note
If your company purchased the XML translation option, you can also exchange data in XML format. See the *Gentran:Server for UNIX and Workstation XML User's Guide* for more information.

In this chapter

This chapter contains background information about Gentran:Server that you should know before beginning to use the software.

Key terms

This table describes key terms used in this chapter.

Term	Description
application	The business software generating the business information that you are sending or receiving electronically.
default	A value that is automatically assigned.
EDI	Electronic Data Interchange. Application-to-application transfer of key business transaction information in a standard or XML format via a computer-to-computer communication link.

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(Contd) Term	Description
EDI standard	A format to regulate syntax, structure, and content of transaction data.
map	A file that contains the relationships between: ◗ The segments and elements of a standard EDI document and the data fields in your application ◗ The elements in an XML document and the data fields in your application, EDI standard document, or in another XML document ◗ The segments and elements of two different standards ◗ The records and fields of two different applications
master directory	The directory on a PC that stores your master files.
master file	The version of a map that Gentran:Server uses to process data.
standard format	A format intelligible to computerized data management systems.
temporary file	A file on the client that Gentran:Server uses during editing and compiling.
trading partner	The company, division, or group with which you are exchanging business data electronically.
Trading Partnership	An arrangement to exchange information in a specific document type with a specific trading partner and using a particular standard version.
working file	A file that is stored in the user's working directory on the client while the user has it checked out for editing.
working file directory	The directory created on the client to hold the files that a user is editing.

Gentran:Server Features

Introduction

This summary lists the features Gentran:Server provides for your translation needs.

Product versions

There are two basic versions of Gentran:Server:

- Gentran:Server Workstation, which runs on a PC
- Gentran:Server for UNIX, which runs on a client/server architecture

Gentran:Server Workstation architecture

The Workstation architecture provides:

- A Windows® interface.
- All files and processing on one machine.
- Single-user configuration; no file-sharing or security limitations.
- Standard Gentran:Server functions.

Multiple Help sources

Gentran:Server provides Help through:

- Wizards to guide you through the key record-creation processes.
- Online Help with task-oriented content.
- Documentation provided on CD-ROM for online access.

Automated functions

The following features automate many tasks for you.

Archiving

- Stores and retrieves both EDI and user-defined data
- Tracks key EDI activities; provides reports and audit trails of translations

Functional Acknowledgments

- Handles inbound and outbound functional acknowledgments and reconciliation
- Provides status information for each document

Task Scheduler

- Runs processes such as upload and download, translation, communications, and other tasks in a totally unattended mode

(Continued on next page)

Mappers

There are two mappers available in Gentran:Server 6.1:

- the Application Integration subsystem (Application Integration Mapper)
- the Visual Mapper

Reference

See the topic Gentran:Server Mappers for a comparison of the Application Integration Mapper and the Visual Mapper.

Gentran:Server Mappers

Introduction

This topic discusses the differences between the Application Integration Mapper and the Visual Mapper.

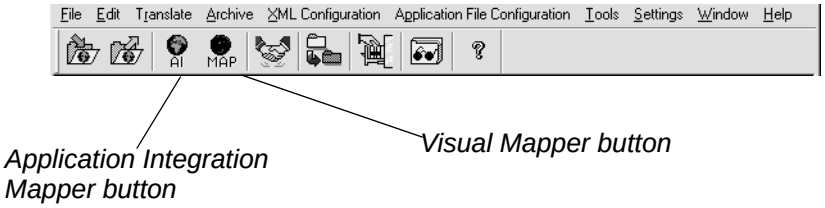
Which mapper to use

Gentran:Server 6.1 is available to new and existing customers. The mapper you use depends on the version of Gentran:Server your company used before purchasing Gentran:Server 6.1. Refer to the following table to determine which mapper you will use.

IF your company…	THEN use…
purchased Gentran:Server for the first time	the Application Integration Mapper (AI).
upgraded from Gentran:Server version 5.4	the Application Integration Mapper (AI).
upgraded from Gentran:Server version 5.3 or prior	the Application Integration Mapper (AI) to create new maps and the Visual Mapper (MAP) to maintain your current maps.

Illustration

The illustration identifies the Application Integration Mapper and the Visual Mapper buttons.



Creating maps

If both the Application Integration Mapper and the Visual Mapper are available to you, then you can create maps in either mapper. However, you cannot create a map in one mapper and save it to the other. Similarly, you can only open a map in the mapper in which it was created.

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Extensions

This table lists the map and associated file extensions.

IF the map is created using the…	THEN the map extension is…	AND the associated file extension is…
Application Integration Mapper	.map	.TPL
Visual Mapper	.vmp	.TBL

WARNING

If you are using both the Application Integration Mapper and the Visual Mapper, you must be careful NOT to overwrite your .vmp map. If the master directory contains a map with the same name as your working map, then you must use a different name for your working map. This prevents the .map file from overwriting the .vmp file.

For example, if you are creating a new map in the Application Integration Mapper using the XXX.vmp as a guide, then save the new map using the file name XXY.map or XXXa.map.

Gentran:Server does not recognize map extensions. When you check in a working map to the master directory, it overwrites any existing map file that has the same file name, regardless of the extension.

When you upgrade, all .map files are converted to .vmp files (5.3 users or prior).

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Terminology: Different terms with same definition

In many instances, the Application Integration Mapper and Visual Mapper use the same terms and meanings. However, there are instances in which two different terms share the same definition. The following table lists the common definitions with the corresponding terms.

Definition	Application Integration Mapper Term	Visual Mapper Term
The standard transaction set Gentran:Server uses to acknowledge receipt of a transmission. The functional acknowledgement tells you if your trading partner received a document you sent.	Acknowledgement	Functional acknowledgement
A file that defines the layout of the records, fields, and groups in an application file.	File definition (.ddf)	Application description (.app)
The file that results when a map is compiled.	Translation object (.tpl)	Mapping table file (.tbl) Compiled map
A file that shows the relationships between input and output and defines how the system should translate the data.	map (.map)	Map File (.vmp)

Iftran options

Both the Application Integration Mapper and the Visual Mapper interface with Iftran (a Gentran:Server translator), but the options available are different.

Reference
See the *Gentran:Server for UNIX and Workstation Technical Reference Guide* for more information.

Gentran:Server Workstation Strategy

Introduction

This topic describes the Gentran:Server Workstation architecture.

Description

All Gentran:Server Workstation files are installed on a PC. The PC stores the data, houses the user interface, and runs the processes.

Advantages

The Workstation architecture provides the following advantages:

- Allows users familiar with PCs to quickly learn how to use the Gentran:Server interface
- Provides a single-user control over data and processes

Running Multiple Sessions

Definition

A **session** is a single instance of the Gentran:Server application running in a window on your desktop.

Gentran:Server does not limit you to a single session; you can run more than one instance of Gentran:Server for UNIX client software or Gentran:Server Workstation at the same time. Each time you start Gentran:Server on your desktop, you start a new session. Each session runs in a different window. Running multiple sessions enables you to perform different Gentran:Server tasks in each window.

How many sessions can you run?

You can run:

- Up to four sessions of the Gentran:Server for UNIX client software at the same time on one Windows desktop
- Up to four sessions of Gentran:Server Workstation at the same time on one Windows desktop
- Gentran:Server Workstation and Gentran:Server for UNIX client software at the same time on one desktop.

Example
You run three simultaneous sessions of the Gentran:Server for UNIX client software for the host1 and environment XYZ combination:

- Session 1, view a file with the File Browser
- Session 2, search for a Trading Partnership record
- Session 3, create a new category

Performance limitations

Each additional session you start degrades performance. Opening too many sessions at once can cause the client to lock.

Login requirements for UNIX

When you start another Gentran:Server session for a host and environment that is running on your desktop, you must use the same User Name and Password to log onto the new session.

If you want to start a session for a different host or environment, you can use a different User Name and Password.

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Process and session limits

If you open multiple sessions on your desktop, the sessions can be for the:

- Same host and environment (Gentran:Server for UNIX)
- Same host and different environments (Gentran:Server for UNIX)
- Different hosts and environments (Gentran:Server for UNIX)
- Combination of Gentran:Server Workstation sessions and Gentran:Server for UNIX sessions.

This table shows the limitations on running processes in multiple sessions.

Process	Limitations
File Browser	None. Multiple windows permitted in each session.
Trading Partnership Maintenance	None. Multiple windows permitted in each session.
Process Control Manager (if included)	Once in a session for each host/ environment combination.
SAP Configuration (if purchased)	Once in a session for each host/ environment combination.
Standard Version Conversion (if purchased)	Once in a session for each host/ environment combination.
Archive	Once in a session for each host/ environment combination.
EC Workbench (if purchased)	One client session for each host/ environment combination. You can run EC Workbench multiple times as long as each Client session is for a different host/environment combination.
Translation	One client session for each host/ environment. You can run translation multiple times as long as each session is for a different host/ environment combination.
Map Compilation	One client session at a time.
Mapping	None. Multiple windows permitted in each session

(Continued on next page)

If a process has session limitations and is already running, Gentran:Server displays a message to let you know that the process is busy and asks that you try again later.

File locking

Gentran:Server locks certain files to prevent you from editing the same file in multiple sessions. If you attempt to edit a file that you are editing in another session, Gentran:Server displays a message to let you know that the file is in use.

Gentran:Server locks these files when you open them for editing:

- Maps
- Trading Partner record
- Group Organization record
- Interchange Organization record

Exceptions

Locking does not apply to:

- Files edited in the File Browser
- Trading Partnership Category files
- Trading Partnership Contact files

Note

If the same non-DISAM file is edited in two different parallel sessions, the last changes saved overwrite earlier changes from another session.

Caution

Never use the File Browser to edit a DISAM (*.dat and *.idx pair) file. Doing so will corrupt the file.

Report, log and local temporary files

Gentran:Server keeps the report files, log files, and local temporary files for each host and environment in different directories.

The system creates a directory named **rpt** for the report and log files under the directory where the Gentran:Server client software is installed. The local temporary working files are stored in the **lcltmp** directory.

For each host and environment, the system creates a subdirectory under the **rpt** and **lcltmp** directories. The subdirectory is named for the environment and host name (environment+hostname) logged in to for the session.

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Example

The Gentran:Server client software is installed in D:\gentran. The system creates subdirectories for the report files and for the local temporary files:

- D:\gentran\rpt
- D:\gentran\lcltmp

You start a session, logging in to the 60test environment on the host hpd350. Gentran:Server creates subdirectories for the session:

- D:\gentran\61testhpd350
- D:\gentran\rpt\61testhpd350
- D:\gentran\lcltmp\61testhpd350

Gentran:Server stores the session's report and log files in D:\gentran\rpt\61testhpd350 and stores the session's local temporary files in D:\gentran\lcltmp\61testhpd350.

You open a session for a different environment and host, 2XF on hpd001. Gentran:Server creates new subdirectories for the report and local temporary files:

- D:\gentran\2XFhpd001
- D:\gentran\rpt\2XFhpd001
- D:\gentran\lcltmp\2XFhpd001

Note

If the host or environment name contains special characters (such as *, ?, <, or >), the system converts the special characters to underscores (_). For example, the host name hp<200> is converted to hp_200_.

File Name Conventions

Introduction

This topic describes the file name conventions and limitations you must follow when you name a Gentran:Server file or directory.

Directory and path name length

Directory names can be up to 63 characters in length, not counting the slash or backslash character used to separate a directory name from a subdirectory name.

The total maximum for a path, file name, and file name extension is 128 characters.

Validation

When you save or open a file, Gentran:Server checks the length of the file name and the characters used in the file name. If the file name exceeds the maximum length or if the file name includes an invalid character, Gentran:Server displays a message to alert you of the problem.

(Continued on next page)

File name length

This table lists length restrictions of the file names of specific types of Gentran:Server files:

File Type	Maximum Length of Name
Map	60 (plus 4-character extension)
File definition	60 (plus 4-character extension)
Application description	60 (plus 4-character extension)
Implementation guide	60 (plus 4-character extension)
Input file	60 (plus 4-character extension)
Output file	60 (plus 4-character extension)
Mapping table	60 (plus 4-character extension)
Script	14 characters
Data manager	4 characters
Data manager pattern	15 characters
Transaction Register	9 characters
Queue	8 characters

(Continued on next page)

Character limitations

This table lists the characters that Gentran:Server does not allow in a file name.

Character	Description
\	Backslash (reserved for separating directory, subdirectory, and file names)
/	Slash (reserved for separating directory, subdirectory, and file names)
*	Asterisk
“	Double quotation mark
‘	Forward single quotation mark
'	Backward single quotation mark
<	Less-than sign
>	Greater-than sign
|	Vertical bar
	Spaces
@	“At” sign
&	“Ampersand” character
(	Open round bracket
)	Closed round bracket
;	Semi-colon
:	Colon
?	Question mark
$	Dollar sign

CHAPTER
4

Using Gentran:Server

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Starting and Exiting

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The Gentran:Server User Interface

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Setting Default Values

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Introduction

In this chapter

This chapter contains general information about the Gentran:Server interface. It describes the menus and Toolbar of the Main Window and includes instructions for:

- Starting and exiting Gentran:Server
- Using menus, toolbar buttons, and dialog boxes
- Using the File Browser to edit text, EDI, and NCPDP files
- Choosing printing properties
- Setting Gentran:Server preferences and default values

Key terms

This table describes key terms used in this chapter.

Term	Description
check box	A square to the left of an option in a dialog. When the option is selected, the square contains an X. You click the check box to change whether the option is selected.
default	A value that is automatically assigned.
master directory	The directory on a PC that stores your master files.
menu	A list of related commands.
menu bar	The row of menu names that runs across the top of a window.
option button	A round button used to select one option from a mutually exclusive set of options.
push-button	A symbol or icon that initiates some action when you click it.
text box	A box into which you enter alphanumeric text to provide data needed by Gentran:Server.
Toolbar	A bar of buttons used to start commands.

Starting and Exiting

How to Start Gentran:Server Workstation

Introduction

This topic explains how to start Gentran:Server Workstation.

Note
You can run up to four sessions of Gentran:Server on the same desktop at once.

Procedure

Follow this procedure to start Gentran:Server Workstation.

Step	Action
1	Click the Windows **Start** menu.
2	Select the Gentran:Server program icon from the **Programs** menu. **System Response** Gentran:Server displays the copyright dialog box.
3	Click **OK**. **System Response** Gentran:Server displays the Main Window.

Reference
See the How to Set TP Administration Preferences topic in the Gentran:Server *for UNIX and Workstation Application Integration User's Guide* for instructions on setting Trading Partnership Administration Preferences.

How to Exit Gentran:Server

Introduction

This topic explains how to exit Gentran:Server.

Before you exit

Any files that are checked out when you exit the application remain checked out and unavailable for other users to edit. Before you exit Gentran:Server, be sure to check in any files that you no longer need.

Reference

See How to Check In Maps and Translation Objects and How to Check In File Definitions in the Working with Application Integration chapter or How to Check In Compiled Maps, How to Check In IG/Application Description Files, and How to Check In Synonym and Thesaurus List Files, in the Working with Visual Mapper chapter for instructions.

Procedure

Select **Exit** from the **File** menu.

Note

If you are running multiple sessions on your desktop, you must exit each session.

System Response

Gentran:Server Workstation exits.

The Gentran:Server User Interface

Overview

Introduction

Gentran:Server features on the client use the Windows environment. To use Gentran:Server, you must be familiar with using a personal computer and with Windows functions and terminology, including the following:

- The terminology used to describe mouse and cursor actions; for example, opening, clicking, scrolling
- The terminology used to describe Windows-specific attributes, such as dialog boxes, buttons, and check boxes.

User interface

The user interface for all versions of Gentran:Server includes:

- Screens that use the familiar Windows interface.
- Graphical tree organization of trading partnership records to make setup and maintenance easier.
- Graphic displays of mapping components and relationships.

The Main Window

Introduction

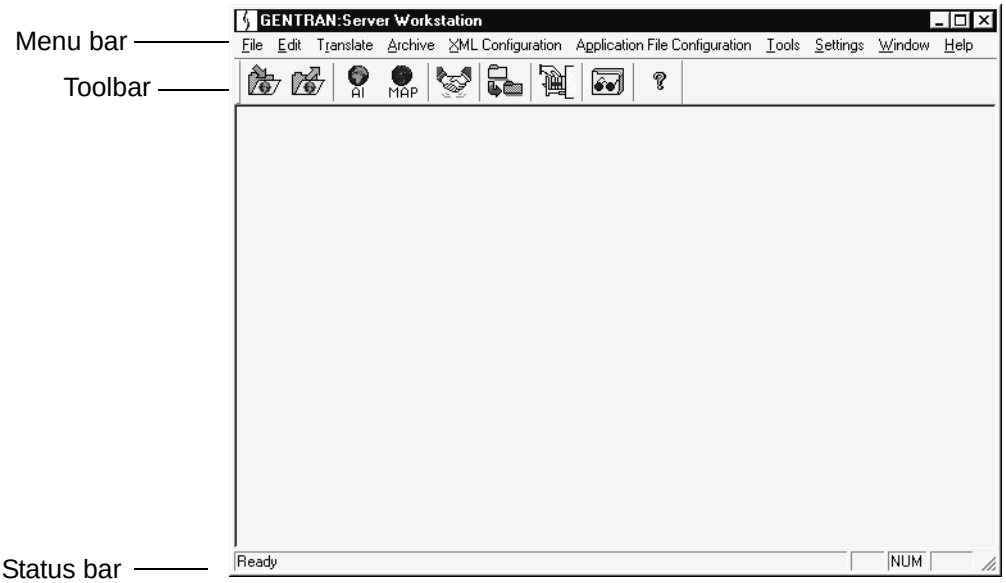
This topic explains the items you see on the Gentran:Server Main Window.

Reference

Refer to your Windows documentation for detailed explanations of Windows terms and functions.

Main Workstation window

This illustration shows the major parts of the main window for Gentran:Server Workstation.



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Parts of the window

This table describes the parts of the main Gentran:Server window.

Part	Function
Menu bar	Opens menus to display commands.
Toolbar	Starts commands from a set of buttons.
Status bar	Displays a status message, prompt, or toolbar button description.

Main Window Menus

Introduction

You can start all Gentran:Server features and functions from the menus of the Gentran:Server Main Window.

Workstation Main Window menus

This table describes the menus of the Workstation Main Window.

Menu	Used to…
File Menu	◗ Check in a file ◗ Check out a file ◗ Unlock a file ◗ Open the Print Setup dialog box ◗ Exit the Main Window
Edit Menu	◗ Start a mapping editor (Application Integration or the Visual Mapper) ◗ Start the Trading Partnership Administration subsystem
Translate	◗ Open the Translate Documents dialog box ◗ Generate a translation report.
Archive	◗ Set archiving parameters ◗ Open an archive ◗ Purge an archive ◗ Load and unload archived files ◗ Create new archives
XML Configuration (if you purchased the XML translation option)	◗ Open the XML Element Configuration window ◗ Start the XML Trading Partnership Rules wizard ◗ Open the XML TP Cross Reference dialog box. (Continued on next page)

(Contd) Menu	Used to…
Application File Configuration	◗ Start the Application File Trading Partnership Rules wizard ◗ Open the Application File TP Cross Reference dialog box.
Tools	◗ Set up and Run scheduled tasks ◗ Run Standard Version Conversion ◗ Start the File Browser ◗ Open the Run a Command dialog box to run a command line program
Settings	Specify default directories for your Gentran:Server files
Window	◗ Display or hide the Toolbar ◗ Display or hide the Status Bar
Help	◗ Open the Help Contents or Index ◗ Display information about using Help ◗ Display version information for Gentran:Server

The Main Window Toolbar

Introduction

The Gentran:Server Toolbar consists of several buttons that you can use to quickly access Gentran:Server subsystems, tools, and optional features.

The specific buttons displayed on your toolbar depend upon the Gentran:Server product level and options your company purchased. This topic describes the most common buttons. Your toolbar may include additional buttons for optional features.

The Main Window Toolbar

To execute a command with a toolbar button, click the appropriate button.

Click this…	To do this…
	Check in files.
	Check out files.
	Open the **Application Integration** mapping editor.
	Open the **Visual Mapper** mapping editor.
	Open the **Trading Partnership Administration** subsystem.
	Open the Translate Documents dialog box or generate a translation report.
	Start an archiving option.
	Open the **File Browser** text editor.
	Display **Help** for the current window.

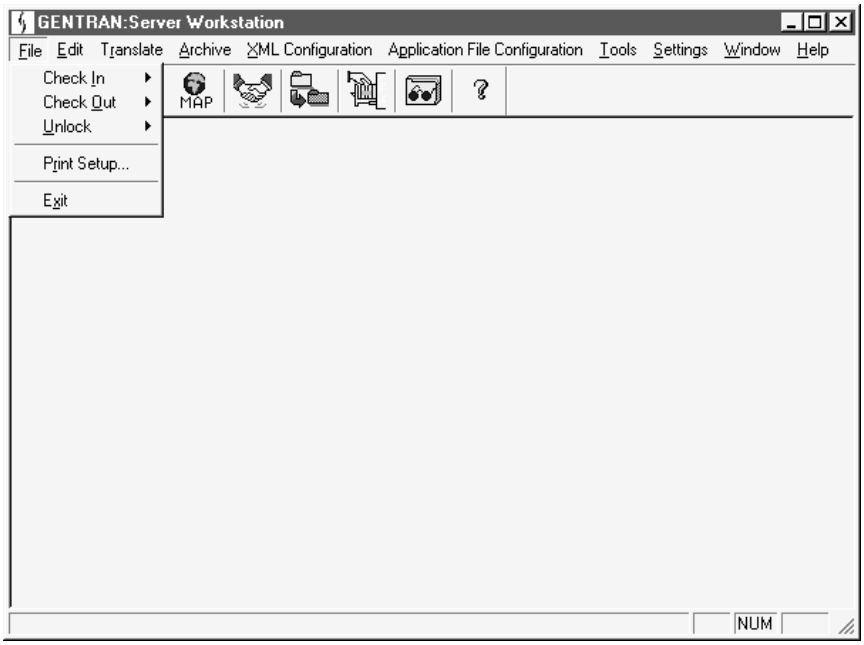
How to Use the Gentran:Server Interface

Introduction

This topic explains how to use the Gentran:Server menus, toolbars, dialog boxes, and other interface features.

Using the menus

To select a menu command, select the menu name to display the drop-down list of commands; then select the desired command. You can also select many commands from the keyboard by pressing the short-cut keys displayed to the right of the command or by pressing ALT + the underlined letter in the menu item name and then the letter underlined in the drop-down list.



Using the Toolbar

To start a feature or subsystem from the Toolbar, click the appropriate Toolbar button.

Note
For information about a Toolbar button, place the pointer on the button to display the button's name and then refer to the Status Bar for the button's function.

(Continued on next page)

Using the Status Bar

The status bar displays information, descriptions, or instructions for the active window, item on a dialog box, toolbar button, or command. You may see a status such as “Ready” for a window, an instruction such as “Enter record ID” for a text box on a dialog box, or “File Browser” for a Toolbar button.

To use the Status Bar, move the pointer to the window, box, or button that you want to check and then read the text displayed on the Status Bar.

Using dialog boxes

You enter information within a dialog box by:

- Typing in text boxes
- Selecting items from list boxes
- Clicking check boxes, options, or push buttons.

To move to the desired box or button, use either the mouse or the keyboard.

- When using the mouse, move the mouse pointer to the desired box or button and click to select the box or button.
- When using the keyboard, press TAB to move to the next box or button or press SHIFT+TAB to move to the previous box or button.

How to Use the On-line Help

Introduction

Gentran:Server provides Help information to guide you through commands and procedures. Gentran:Server's Help files explain many topics: parts of the active window, commands, dialogs, and procedures for using specific features to perform a task.

Getting Help

You can access Help several ways. The methods available depend on the window you have displayed.

To start Help from…	Do this…
The menu bar	Select a command or topic from the **Help** menu.
The toolbar	Click the **Help** button on the toolbar for information about the currently displayed dialog box or window.
Any window	Press F1 for information about the window.
A dialog box	Click the **Help** button on the active dialog box for related help information.

Using the Help menu

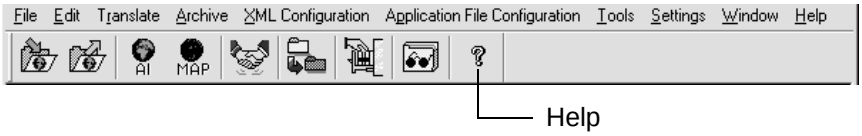
To learn how to use Help, select **Using Help** from the Help menu.

The Contents command form the Help menu displays a list of Help topics that you can choose from. You can access Help information for the topics in different ways; you can use the menus at the top of the **Help** window, or you can use the buttons under the menus to search for a topic. You can print and edit Help information.

(Continued on next page)

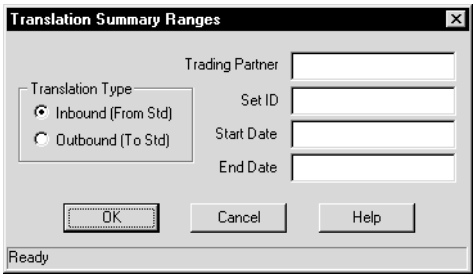
Using the Help toolbar button

On major windows, you can get window-level Help by clicking the **Help** button on the toolbar.



Using the Help buttons on dialog boxes

You can get Help for any dialog box that displays the **Help** button. Click **Help** for more information.



Exiting Help

You can close the **Help** window when you are finished with it. To close **Help**, select **Exit** on the File menu of the Help system menu bar.

The File Browser

Introduction

The File Browser is a Gentran:Server tool that enables you to open and edit text, EDI, and NCPDP files. It contains basic text-editing features, such as copying, cutting, pasting, finding, and replacing text.

When to use

You can use the File Browser to open and edit:

- Text files, such as batch files (*.bat) and configuration files (*.cfg)
- EDI files
- NCPDP files

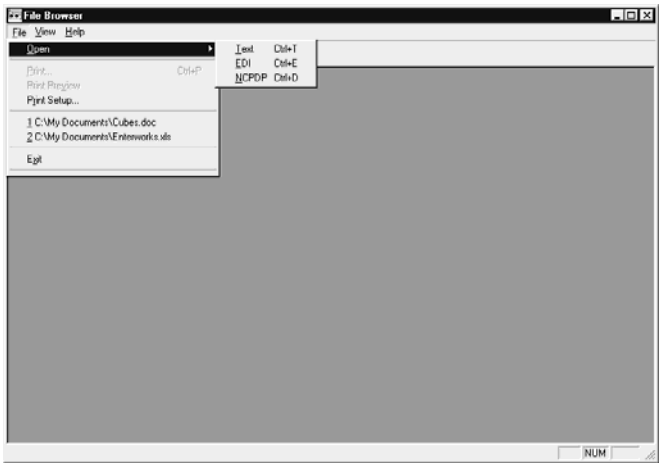
Note
When you open an EDI file in the File Browser, Gentran:Server runs the **edifrmat** command on the file before displaying it. The **edifrmat** command replaces the segment terminators in the file with new line terminators so that the format is easier to read.

CAUTION

Never use the file browser to edit a disam file. Doing so will corrupt the file.

The File Browser window

This illustration shows the File Browser window.



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Parts of the File Browser window

This table describes the parts and functions of the File Browser window.

Part	Function
Menu bar	Opens menus to display commands.
Toolbar	Starts commands from a set of buttons.
Status bar	Displays a status message, prompt, or toolbar button description.

How to Use the File Browser

Introduction

This topic explains how to start and exit the File Browser, open a file, and use the File Browser editing commands to modify a file.

Starting the File Browser

To start the File Browser, do one of the following:

- Click the File Browser button on the Main Window toolbar.
- Select **Start File Browser** from the Tools menu.

Opening a file

There are two ways to open a file in the File Browser: from the Toolbar or from the File menu.

Method 1 - Toolbar button.

Step	Action
1	Click the **Open** button on the File Browser toolbar. **System Response** The File Browser displays the Open dialog box.
2	Select **Text File, EDI File**, or **NCPDP File** to indicate the type of file you want to open. **CAUTION** **Never use the file browser to edit a disam file. Doing so will corrupt the file.**
3	Click **OK.** **System Response** The File Browser displays the standard Open dialog box.
4	Browse to the folder and file you want to open.
5	Click **OK**. (Continued on next page)

(Contd) Step	Action	
6	**IF you open…**	**THEN the File Browser…**
	an EDI file	displays the Enter EDI Format Parameter dialog box. Continue with Step 7.
	a text file	displays the text file. You are finished.
	a NCPDP file	runs the **edifrmat** command on the file you selected and displays the file in a newline terminated format. You are finished.
7	Select the option on the Enter EDI Format Parameter dialog box to specify the format you want applied to the data. **System Response** The system runs the **edifrmat** command on the file you selected and displays the file in a newline terminated format.	

Method 2 - File menu

Select **Open** from the File menu and then select **Text**, **EDI,** or **NCPDP** from the cascading menu.

Editing a file in the File Browser

This table describes how to edit, print, and save a file in the File Browser.

IF you want to…	Then…
Insert characters	Click at the insertion point and type the characters.
Copy selected text to the clipboard	Click **Copy** on the Edit menu.
Paste text on the clipboard into the document	Click at the insertion point and then click **Paste** on the Edit menu.
Select the entire document	Click **Select All** on the Edit menu.

(Continued on next page)

(Contd) IF you want to…	Then…
Search for characters, words, or phrases	Click **Find** on the Edit menu. Then, enter the search string.
Search for the next occurrence of a search item	Click **Find Next** on the Edit menu.
Replace selected text	Click **Replace** on the Edit menu. Then type the replacement text.
Print the document	Click **Print** on the File Menu.
Save the changes to the document	Click **Save** on the File menu.
Save a copy of the document under a new path or name	Click **Save As** on the File menu. and enter the new path and file name.

Exiting the File Browser

To close the File Browser, do one of the following:

- Select **Exit** from the File menu.
- Click the close button on the File Browser window.

How to Change Print Properties

Introduction

This topic explains how to open the Print Setup dialog box from within Gentran:Server. Check your Microsoft® documentation for details on how to use the window.

Background

When you print any of the reports that Gentran:Server generates, the program prints the report on the default printer, using the default font style and size specified for that printer. You can use the Microsoft Print Setup dialog box to specify print properties for the default printer for the client.

Your selections affect all printing (except printing of compiler messages) in Gentran:Server until you quit or change them. If you want to set these defaults and keep them between Gentran:Server sessions, use the **Printers** utility in the Windows **Control Panel**.

Opening the Print Setup window

Follow this procedure to open the Print Setup dialog box from within Gentran:Server.

Step	Action
1	Click **File** on either the Main, Application Integration Main, Visual Mapper, Application Editor, or Standard/IG Editor menu bar.
2	Click **Print Setup** on the **File** menu.

Adjusting print properties

Depending upon the font style and size, some parts of the report may not appear on the output (This may be a problem with fonts larger than 12 point). To correct, change the default font style or size. The methods of changing the default font style and size vary according to your PC.

Depending upon the aspect ratio of the report, you could also try printing landscape instead of portrait.

Setting Default Values

Overview

In this section

This section explains how to set the basic directory and the Application Integration Mapper and Visual Mapper preferences and default values you want your system to use.

Reference

See the Setting Preferences and Default Values section in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide* for information about setting preferences and default values for the Application Integration subsystem.

See the Specifying Preferred Default Values section in the *Gentran:Server for UNIX and Workstation Mapping and Translation Guide* for information about setting preferences and default values for the Visual Mapper.

Default directories

The Set Up Directories dialog box enables you to define the default directories that Gentran:Server will use to store your Gentran:Server files on your PC or client.

When to set the values

We recommend that you set your default directory and map display values before you create your first map. However, you can set or change the map display options at any time.

(Continued on next page)

Where to go next

Use this table to locate the instructions for setting particular types of preferences.

IF you want to customize…	THEN select…
Workstation	
The default directories your system uses to store Gentran:Server files	How to Change the Default Workstation Directories.
Application Integration	
All the Application Integration Subsystem preferences	How to Set the Application Integration Preferences in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide.*
The list of date and time formats that you can use in map fields	How to Set the Application Date/Time Formats in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*.
The default date format for all date fields used in a map	How to Set the Default Date Formats in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*.
Which map component descriptions are displayed	How to Customize Component Display Options in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*.
Foreground and background colours of map components	How to Customize Component Colours in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*
Font type, style, or size used in map displays	How to Customize Global Fonts in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*.
How map links are displayed	How to Customize the Display of Links in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*.
How the map version number is incremented	How to Customize the Auto-increment Map Version in the *Gentran:Server for UNIX and Workstation Application Integration User's Guide*.

IF you want to customize…	THEN select…
Visual Mapper	
The Visual Mapper preferences	Specifying Preferred Default Values in the *Gentran:Server for UNIX and Workstation Mapping and Translation Guide*.

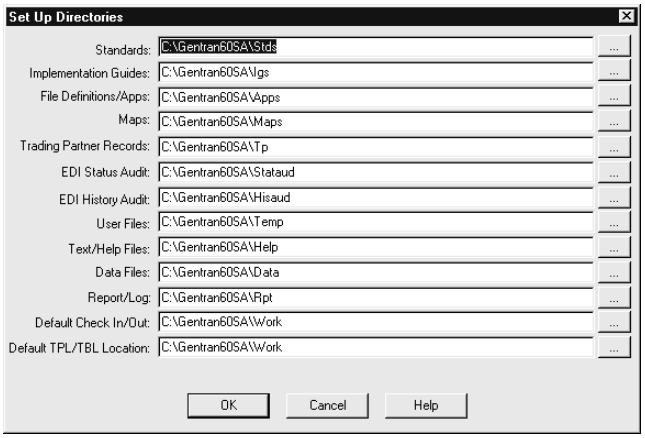
Set Up Directories Dialog Box

Introduction

The Set Up Directories dialog box enables you to define the default directories that Gentran:Server will use to store your Gentran:Server files on your PC.

Gentran:Server Workstation

This illustration shows the Set Up Directories dialog box for Gentran:Server Workstation.



Note
The implementation guide directory is shaded and unavailable if you do not have the Visual Mapper installed.

(Continued on next page)

Fields and functions

This table lists the fields of the Workstation Set Up Directories dialog box and their functions.

Field	Function
Standards	Stores a list of available standards. **Note** If you have Visual Mapper capabilities, then this directory also stores the actual standards.
Implementation Guide	Stores implementation guides (.igs). **Note** The Implementation Guide directory unavailable if the Visual Mapper is not installed on your computer system.
File Definitions/Apps	Stores file definitions (.ddfs). **Note** If you have Visual Mapper capabilities, then this directory also stores the application description files.
Maps	Stores map files and translation objects.
Trading Partner Records	Stores Trading Partnership files.
EDI Status Audit	Stores the status audit files that Gentran:Server generates.
EDI History Audit	Stores the history audit files that Gentran:Server generates.
User Files	Stores your user files.
Text/Help Files	Stores text files and the Gentran:Server Help files.
Data Files	Stores your data files.
Report/Log	Contains the reports and log files that Gentran:Server generates.
Default Check In/Out	Serves as the default working directory for files.
Default TPL/TBL Location	Serves as the default working directory for translation objects (compiled maps).

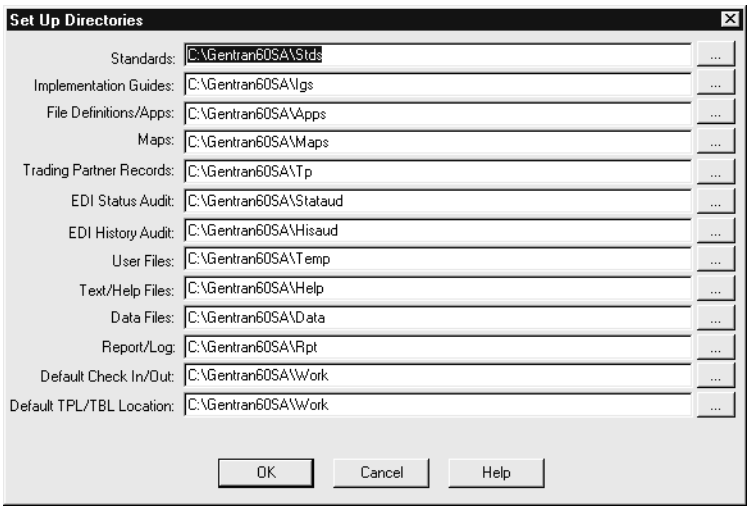
How to Change the Default Workstation Directories

Introduction

You can change the default directories for the Gentran:Server files from the values set at installation.

Changing Workstation directories

Use this procedure to change a directory path for the Gentran:Server Workstation files.

Step	Action
1	Click **Settings** on the menu bar.
2	Click **Set Up Directories** on the **Settings** menu. **System Response** The system displays the Set Up Directories dialog box. 
3	Click in the appropriate text box.
4	Delete the current path and type the new path, or edit the existing path as appropriate. **Note** You can use the browse button to the right of the box to browse for the path.
5	Click **OK** to save your changes.

CHAPTER
5

Working with Application Integration

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Overview

Introduction

In this chapter

This chapter contains information about working in Workstation and accessing and returning files.

Key terms

This table describes the key terms used in this chapter.

Term	Description
check in	The act of returning a copy of a file from your working directory to the master directory, making it available to other users.
check out	The act of copying a file from the master directory to your working directory, making the file unavailable to other users.
lock	The act of making a file unavailable to other users. A file is locked once it is checked out.
unlock	The act of making a file available to other users. A file is unlocked once it is checked in.

Working in Workstation

Introduction

Gentran:Server Workstation uses numerous data files such as maps, translation objects (.TPL files), file definitions (.ddf files), and Trading Partnership records.

This section explains how to work with files in Gentran:Server Workstation.

Master directory

Gentran:Server Workstation stores the master files (maps, translation objects, file definitions, etc.) on the PC in the master directory specified for the file type. You specify the master directories in the Set Up Directories dialog box, which is available from the main Gentran:Server window under the Settings menu.

File checkout

When you want to edit a master file, you must check it out. When you **check out** a map file to edit it, Gentran:Server Workstation moves a copy of the file to the working directory and retains the original file in the master directory.

Working directory

Gentran:Server Workstation stores your working files (copies of checked out maps and file definitions) in the working directory on the PC. This enables you to modify a checked-out map without affecting the original file. You specify the working directories in the Set Up Directories dialog box, which is available from the Gentran:Server Settings menu.

Map check in

When you **check in** a map file, Gentran:Server Workstation transfers a copy of the file from your working directory to the master directory. If the map file is one that you checked out, Workstation replaces the map in the master directory with the working copy. The working copy becomes the new master file for the map. Gentran:Server lets you to choose to keep or remove the copy of the file in your working directory.

Dialog Boxes

Select Map and File Definitions Files to Check out Dialog Box

Introduction

This topic describes the following dialog boxes:

- Select Map Files to Check out
- Select File Definition Files to Check out

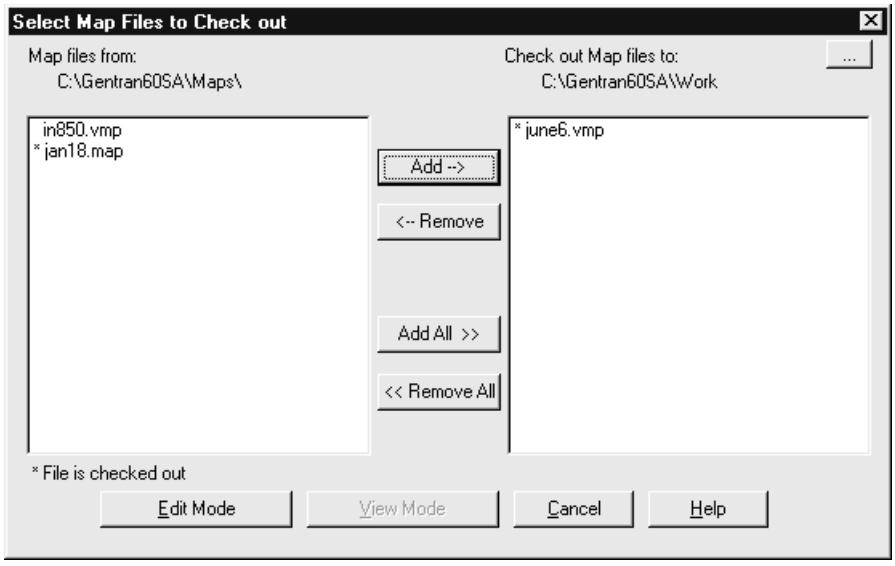
Purpose

The Select <filename> to Check out dialog box is used to move a copy of a file from the master directory to a working directory on the PC. Maps, and their associated TPL files, and file definitions files can be checked out.

Example check out dialog box

The same dialog box format is used to check out file definition files.

This illustration shows the Select Map Files to Check out dialog box.



Note

If your Gentran:Server software is configured with Visual Mapper capabilities, then the dialog box will list maps created in both the Application Integration Mapper and the Visual Mapper with the extensions .map and .vmp respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select Map Files to Check Out and Select File Definition Files to Check out dialog box and their functions.

Field	Function
…files from	Displays the name of the master directory. The list below the name displays the names of the files in the master directory. An asterisk next to a name indicates that the file is currently checked out.
Check out <filename> files to	Displays the name of the default working directory on your PC. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the working files in the working directory. **Note** You can use the browse button to select a different directory.
Add	Adds the name of the selected file to the list of files in the working directory.
Remove	Removes the name of the file from the working directory check out list.
Add All	Adds the names of all the files in the master directory to the working directory.
Remove All	Removes the names of all the files from the working directory check out list.
Edit Mode	Checks out the files so that you can edit them. Copies the files that you added to the **Check out <filename> files to** list and moves the copies into the working directory.
View Mode	View Mode is unavailable in Workstation.

Select Map Files to Check in Dialog Box

Introduction

This topic describes the Select Map Files to Check in dialog box.

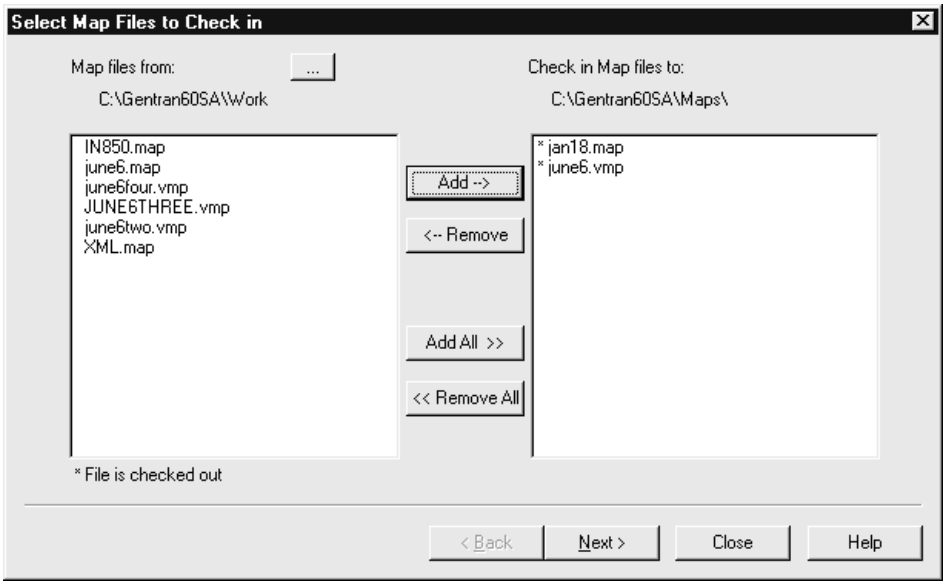
Purpose

The Select Map Files to Check in dialog box is used to move the saved working file from your working directory to the master directory. The system replaces the master file with the map you check in. The following files can be checked in:

- map files
- associated TPL files

Example check in dialog box

This illustration shows the Select Map Files to Check in dialog box.



Note
If your Gentran:Server software is configured with Visual Mapper capabilities, then the dialog box will list maps created in both the Application Integration Mapper and the Visual Mapper with the extensions .map and .vmp respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select Map Files to Check in dialog box and their functions.

Field	Function
Map files from	Displays the name of the working directory on your PC. The list below the name displays the names of the maps in the working directory. **Note** You can use the browse button to select a different directory.
Check in Map files to	Displays the name of the master directory for maps on your PC. This is the directory to which Gentran:Server copies the map file. The list below the directory name displays the names of the maps in the master directory.
Add	Adds the name of the selected map to the list of maps in the master directory.
Remove	Removes the name of the map from the master directory check in list.
Add All	Adds the names of all the maps in the working directory to the master directory.
Remove All	Removes the names of all the maps from the master directory check in list.

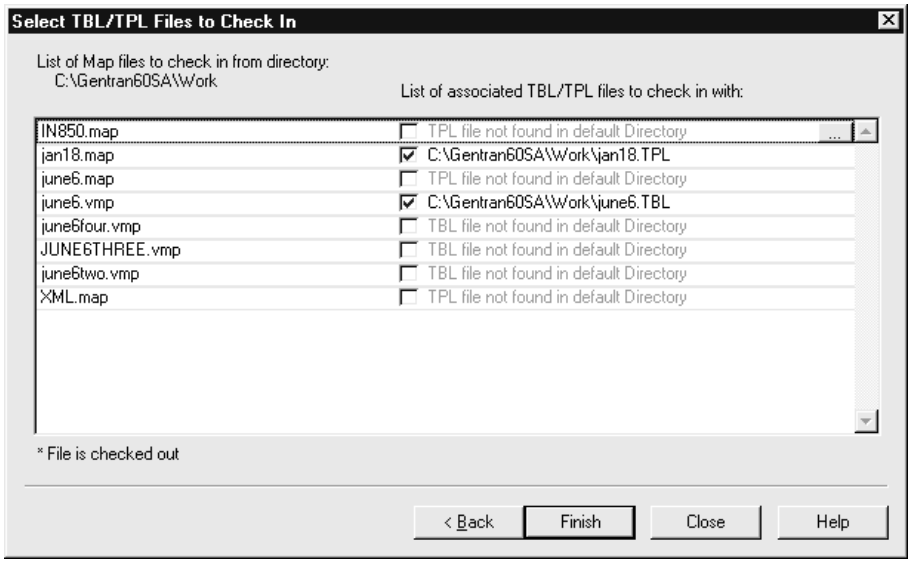
Select TBL/TPL Files to Check In Dialog Box

Introduction

The Select TBL/TPL Files to Check In dialog box is used to select the translation objects (compiled maps) you want to check in.

Illustration

This illustration shows the Select TBL/TPL Files to Check In dialog box.



Note
If your Gentran:Server software is configured with Visual Mapper capabilities, then the dialog box will list maps and associated files created in both the Application Integration Mapper and the Visual Mapper with the extensions .map (TPL) and .vmp (TBL) respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select TBL/TPL to Check In dialog box and their functions.

Field	Function
List of Map files to check in from directory	Displays the name of the working directory on your PC. The list below the name displays the names of the maps you are checking in.
List of associated TBL/TPL files to check in with	Displays the names of the translation objects associated with the maps you are checking in.
Finish	Saves your changes and checks in the maps and translation objects you selected.

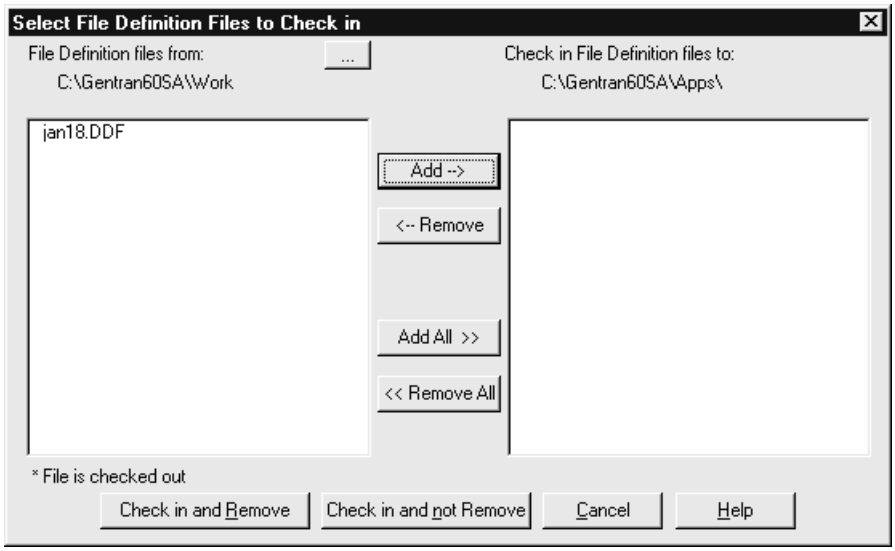
Select File Definition to Check in Dialog Box

Introduction

The Select File Definition Files to Check in dialog box is used to move a working copy of a file definition file (.ddf) from your working directory to the master directory for file definitions.

Illustration

This illustration shows the Select File Definition Files to Check in dialog box.



Note
When you check in a file, the system converts the filename to lowercase letters. UNIX client/server versions require that the filenames are lowercase.

(Continued on next page)

Fields and functions

This table lists the fields of the Select File Definitions to Check in dialog box and their functions.

Field	Function
File Definition files from	Displays the name of the working directory. The list below the name displays the names of the file definition files in the working directory. An asterisk next to a name indicates that the file is currently checked out. **Note** You can use the browse button to select a different directory.
Check in File Definition files to	Displays the name of the master directory for file definition files. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the file definition files in the master directory.
Add	Adds the name of the selected file definition file to the list of file definition files in the master directory.
Remove	Removes the name of the file definition file from the master directory check in list.
Add All	Adds the names of all the file definition files in the working directory to the master directory.
Remove All	Removes the names of all the file definition files from the master directory check in list.
Check in and Remove	Saves your changes, starts moving the file definition files, and deletes the working copies from the working directory.
Check in and not Remove	Saves your changes, starts moving the file definition files, and retains the working copies in the working directory.

Select Map and File Definition Files to Unlock Dialog Box

Introduction

This topic describes the following dialog boxes:

- Select Map Files to Unlock
- Select File Definition Files to Unlock

Purpose

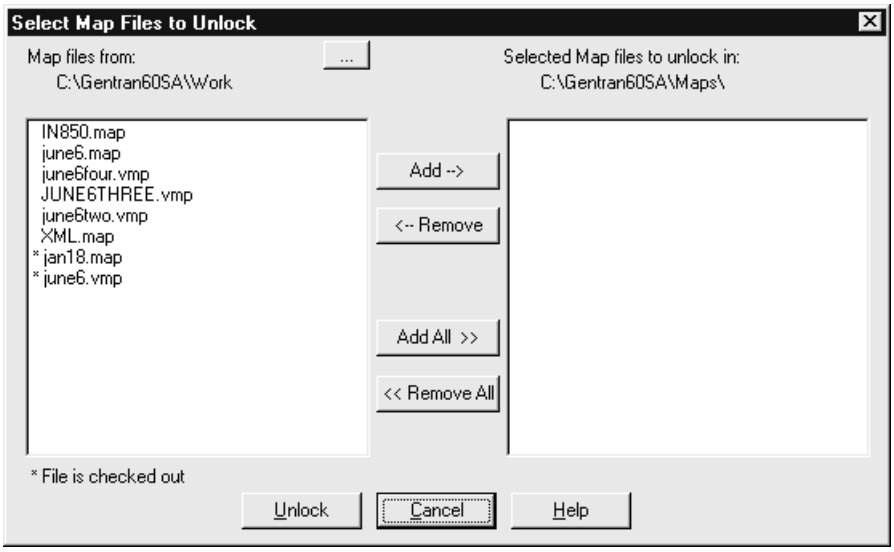
The **unlock** dialog box is used to remove the lock from the master file when you do not want to save changes to a file in your working directory. The following files can be unlocked:

- map files
- file definitions files

Example unlock dialog box

The same dialog box format is used to unlock file definition files.

This illustration shows the Select Map Files to Unlock dialog box.



Note
If your Gentran:Server software is configured with Visual Mapper capabilities, then the dialog box will list maps created in both the Application Integration Mapper and the Visual Mapper with the extensions .map and .vmp respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select Map Files to Unlock dialog box and their functions.

Field	Function
…files from	Displays the name of the working directory. The list below the name displays the names of the files in the working directory. An asterisk next to a name indicates that the file is currently checked out. **Notes** You can use the browse button to select a different directory.
Selected <filename> files to unlock in	Displays the name of the master directory for the files. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the files in the master directory.
Add	Adds the name of the selected file to the list of files in the master directory.
Remove	Removes the name of the file from the master directory unlock list.
Add All	Adds the names of all the files in the working directory to the master directory.
Remove All	Removes the names of all the files from the master directory unlock list.
Unlock	Unlocks the file or files you have selected

Procedures

How to Check Out and View Maps and File Definitions

Introduction

This topic explains how to check out a file.

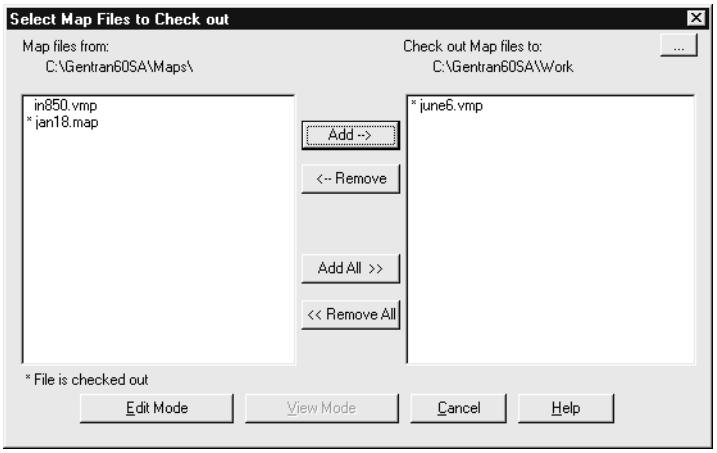
What happens when you check out a file

When you check out a file in Gentran:Server Workstation, Gentran:Server copies the file from the master directory to the working directory on the PC.

(Continued on next page)

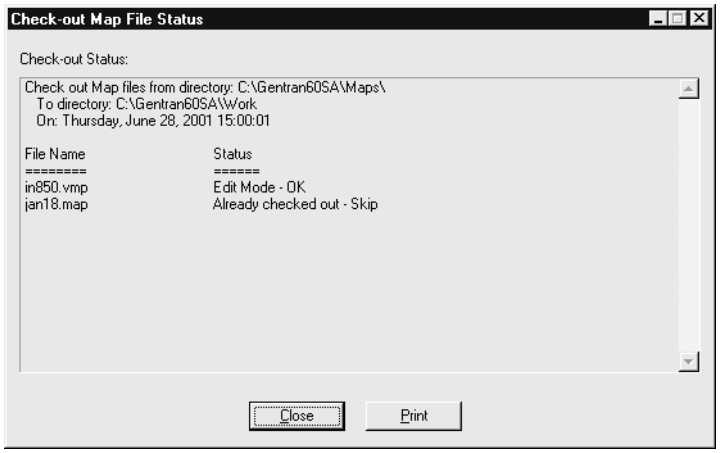
Checking out a map or file definition

Use this procedure to check out a map or a file definition file in Workstation.

Step	Action
1	Select **Check Out** from the Gentran:Server Main File menu and click the type of file you want to check out. ◗ **Map** ◗ **File Definition File** **System Response** Gentran:Server displays the Select <filename> Files to Check out dialog box.  **Notes** An asterisk next to a file name indicates that the file is already checked out. The View Mode button is unavailable in Workstation.
2	Check the name of the default directory to which the system will copy checked out files. Do you want to check out files to a different directory? ◗ If YES, click the directory button and browse to the directory; continue with the next step. ◗ If NO, continue with the next step. (Continued on next page)

<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="3">3</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td>IF you want to check out…</td><td>THEN…</td></tr>
<tr><td>a single file</td><td>Select the file you want to check out from the list in the left pane and click Add.

Repeat this step for each additional file you want to check out.</td></tr>
<tr><td>4</td><td>all the available files</td><td>Click Add All.</td></tr>
<tr><td>5</td><td colspan="2">Click Edit Mode.

System Response
Gentran:Server displays the Check-out <filename> File Status dialog box.
 
</td></tr>
<tr><td>6</td><td colspan="2">Do you want to print the information displayed on the Check-out <filename> File Status dialog box?
◗ If YES, click the Print.
◗ If NO, click Close.</td></tr>
</table>

How to Save Changes to Working Files

Introduction

If a an Application Integration Mapper map file is open, you can save changes on the PC:

- To the open file
- To the working copy of a map (but not to the original map)

Note
You can also save the map files by using a new file name.

Reference
To replace an original map with a working copy of the map that you have modified, see How to Check In Maps and Translation Objects in this chapter.

WARNING

If you are using both the Application Integration Mapper and the Visual Mapper, you must be careful NOT to overwrite your .vmp map. If the master directory contains a map with the same name as your working map, then you must use a different name for your working map. This prevents the .map file from overwriting the .vmp file.

For example, if you are creating a new map in the Application Integration Mapper using the XXX.vmp as a guide, then save the new map using the file name XXY.map or XXXa.map.

Gentran:Server does not recognize map extensions. When you check in a working map to the master directory, it overwrites any existing map file that has the same file name, regardless of the extension.

Saving changes to an open file

Use this procedure to save changes to an open file.

Procedure
Click **Save** on the **File** menu.

System Response
Gentran:Server updates the file.

(Continued on next page)

Saving to a new file name

Use this procedure to save an open working map file to a new file name in the working directory.

CAUTION

You cannot use this procedure to save a working map file to the master directory.

Step	Action
1	Click **Save As** on the File menu. **System Response** Gentran:Server displays the Save As dialog box.
2	Type the new file name for the copy of the map. **Note** You cannot save a map file to another directory, but you can save it under a new file name. **Reference** See How to Check In Maps and Translation Objects in this chapter to replace a master map file with a modified working copy.
3	Click **OK**. **System Response** Gentran:Server saves a copy of the map under the new name.

How to Unlock Master Files and Delete Working Copies

Introduction

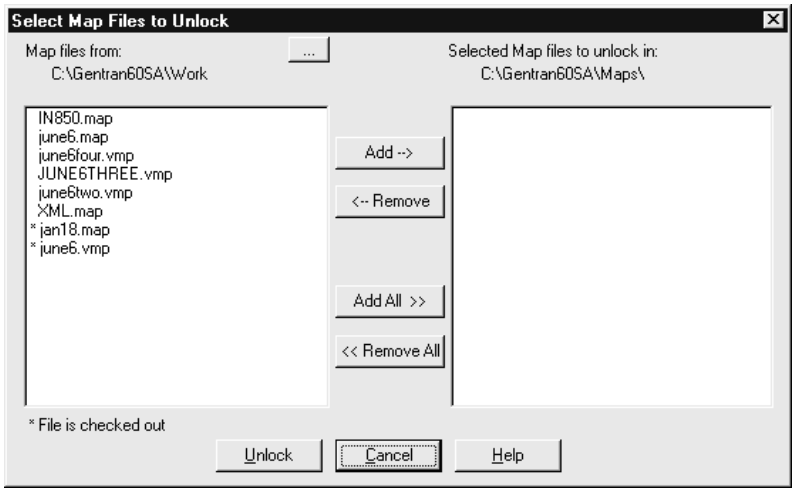
If you do not want to save changes to a file in your working directory, you can use the Gentran:Server Unlock function to remove the lock from the master file and delete the working copy of the file. This procedure explains how to use the Unlock function.

CAUTION

When you unlock a master file, you lose all changes you made to the working file. Use this procedure only if you want to delete the working file.

Procedure

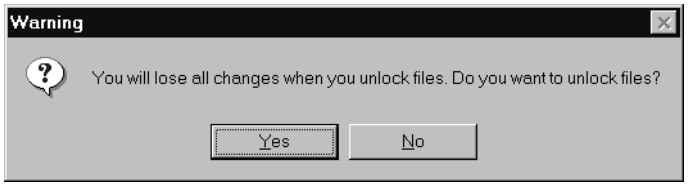
Use this procedure to unlock a master file and delete a working file.

Step	Action
1	Select **Unlock** from the File menu and click the type of file you want to unlock: ◗ **Map** ◗ **File Definition File** **System Response** Gentran:Server displays the Select <filename> Files to Unlock dialog box.  (Continued on next page)

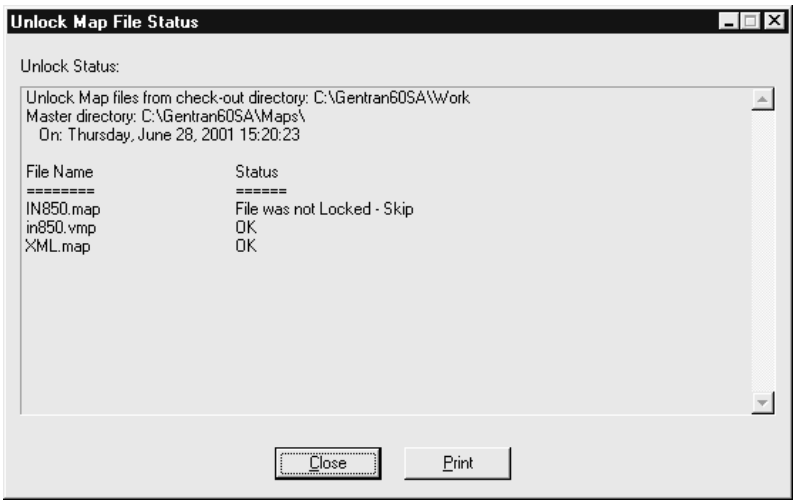
<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="4">2</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td>IF you want to unlock…</td><td>THEN…</td></tr>
<tr><td>a single file</td><td>Select the file you want to remove from the list of available files in the left box and click Add.

System Response
Gentran:Server moves the selected file to the selected files to unlock list.</td></tr>
<tr><td>all the available files</td><td>Click Add All.

System Response
Gentran:Server moves all the files to the selected files to unlock list.</td></tr>
<tr><td>3</td><td colspan="2">Click Unlock.

System Response
Gentran:Server displays this dialog box.
 

(Continued on next page)</td></tr>
</table>

(Contd) Step	Action
4	Do you want to continue? ◗ If YES, click **Yes**. ◗ If NO, click **No**. **System Response** If you clicked **Yes**, Gentran:Server displays the Unlock <filename> File Status dialog box. 
5	Do you want to print the information displayed on the Unlock <filename> File Status dialog box? ◗ If YES, click the **Print**. ◗ If NO, click **Close**.

How to Check In Maps and Translation Objects

Introduction

This topic explains how to check in maps and the translation objects (TPL files)associated with them.

What happens when you check in a file

When you are satisfied that a working map and translation object produces the results you expect, you **check in** the working file. When you check in a working file, the system copies the file from the working directory to the master directory, replacing the original file. The working file becomes the new map or translation object. You can choose to leave a copy of the file in the working directory or remove it.

Maps

The procedure for checking in maps differs from that for checking in other files because you can check in multiple maps at the same time.

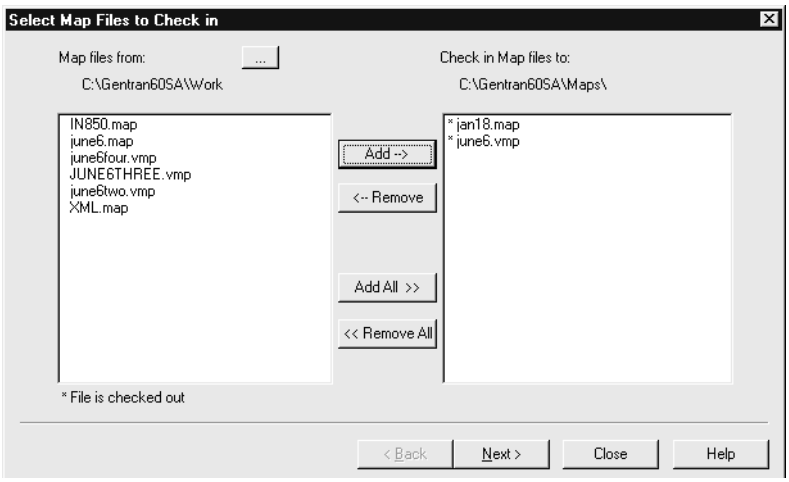
You can check in a compiled working map or an uncompiled working map.

- If you compile a working map before you check it in, the Check In function moves the compiled map to the master directory.
- If you move an uncompiled working map, you must compile it in the master directory; otherwise, the translator will not recognize the changes.

(Continued on next page)

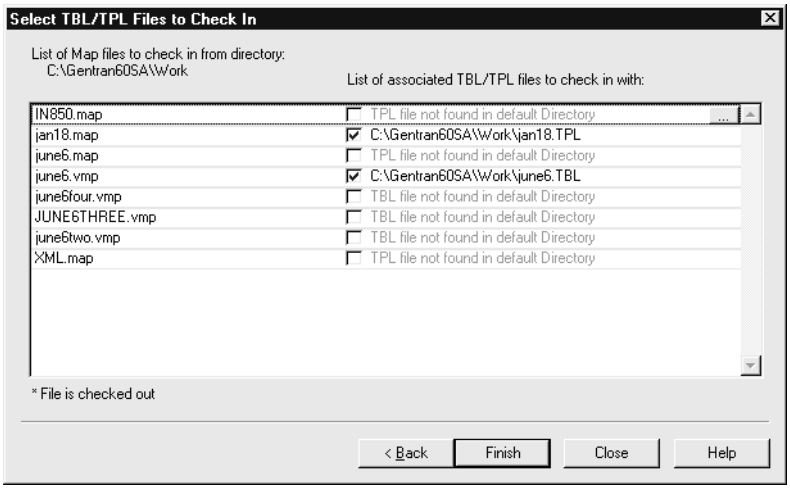
Checking in maps and translation objects

Use this procedure to check in a map and translation object.

Step	Action
1	Select **Check In** from the Gentran:Server Main File menu and click **Map**. **System Response** Gentran:Server displays the Select Map Files to Check in dialog box.  **WARNING** **If you are using both the Application Integration Mapper and the Visual Mapper, you must be careful NOT to overwrite your .vmp map. If the master directory contains a map with the same name as your working map, then you must use a different name for your working map. This prevents the .map file from overwriting the .vmp file.** **For example, if you are creating a new map in the Application Integration Mapper using the XXX.vmp as a guide, then save the new map using the file name XXY.map or XXXa.map.** **Gentran:Server does not recognize map extensions. When you check in a working map to the master directory, it overwrites any existing map file that has the same file name, regardless of the extension.** (Continued on next page)

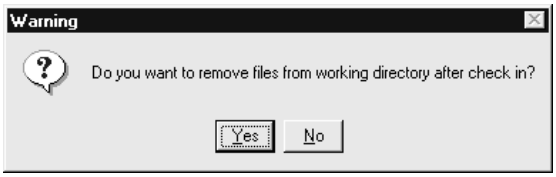
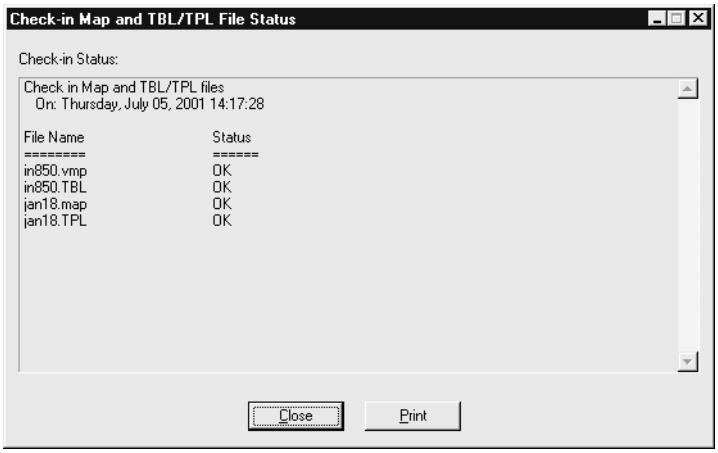
<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td>2</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td></td><td>IF you want to check in…</td><td>THEN…</td></tr>
<tr><td></td><td>a single map</td><td>Select the map you want to check in from the list in the left pane and click Add.

Repeat this step for each additional map you want to check in.</td></tr>
<tr><td></td><td>all the available maps</td><td>Click Add All.</td></tr>
<tr><td>3</td><td colspan="2">Click Next.

System Response
Gentran:Server searches for the associated translation object files in the default Table Location directory and displays the results in the Select TBL/TPL Files to Check In dialog box.
 
</td></tr>
<tr><td>4</td><td colspan="2">Do you want Gentran:Server to search for the translation object in a different directory?

◗ If YES, click the browse button next to specify the directory; continue with next step.
◗ If NO, continue with Step 5.

(Continued on next page)</td></tr>
</table>

(Contd) Step	Action
5	Do you want to check in the translation object associated with the map you are checking in? ◗ If YES, make sure that the check box next to the translation object is selected and then click **Finish**. ◗ If NO, clear the check box and then click **Finish**. **System Response** Gentran:Server displays this dialog box. 
6	Do you want to remove the copies of the working files from the working directory after the files are checked in? ◗ If YES, click the **Yes** button. ◗ If NO, click the **No** button. **System Response** The system displays the Check-in Map and TBL/TPL File Status dialog box. 
7	Do you want to print the information displayed on the Check-in <filename> Status dialog box? ◗ If YES, click the **Print**. ◗ If NO, click **Close**.

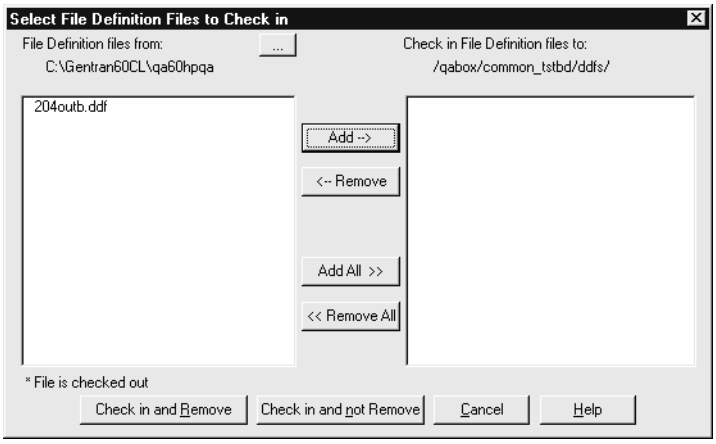
How to Check In File Definitions

Introduction

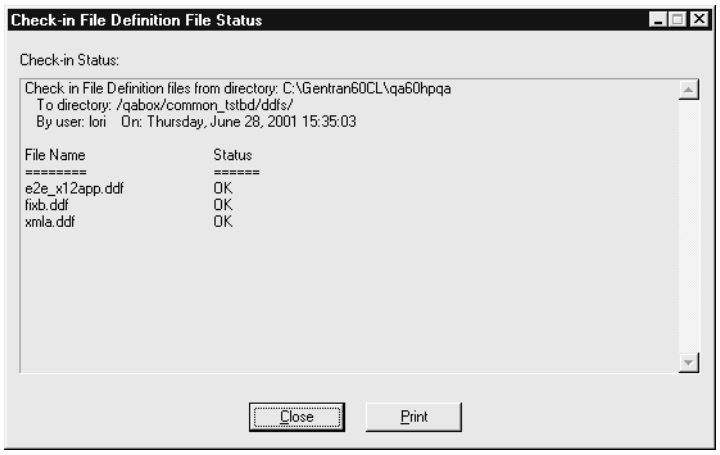
When you are satisfied with a file definition file, you **check in** the working file. When you check in a working file, the system copies the file from the working directory to the master directory, replacing the original file. The working file becomes the new file definition. You can choose to leave a copy of the file in the working directory or remove it.

Checking in a file definition

Use this procedure to check in a file definition file.

Step	Action
1	Select **Check In** from the Gentran:Server Main File menu and click File Definition File. **System Response** Gentran:Server displays the Select File Definition File to Check in dialog box.  (Continued on next page)

<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="3">2</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td>IF you want to check in…</td><td>THEN…</td></tr>
<tr><td>a single file definition file</td><td>Select the file definition file you want to check in from the list in the left pane and click Add.

Repeat this step for each additional file you want to check in.</td></tr>
<tr><td></td><td>all the available file definition files</td><td>Click Add All.</td></tr>
<tr><td rowspan="4">3</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td>IF you want to…</td><td>THEN click…</td></tr>
<tr><td>Remove the working files from the working directory after they are checked in</td><td>Check in and Remove</td></tr>
<tr><td>Leave the working files in the working directory after they are checked in</td><td>Check in and not Remove</td></tr>
<tr><td></td><td colspan="2">System Response
Gentran:Server displays the Check-in File Definition File Status dialog box.
 

(Continued on next page)</td></tr>
</table>

(Contd) Step	Action
4	Do you want to print the information displayed on the Check-in <filename> Status dialog box? ◗ If YES, click **Print**. ◗ If NO, click **Close**.

CHAPTER
6

Working with Visual Mapper

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Overview

Introduction

In this chapter

This chapter contains information about working in Workstation and accessing and returning files.

Key terms

This table describes the key terms used in this chapter.

Term	Description
check in	The act of returning a copy of a file from your working directory to the master directory, making it available to other users.
check out	The act of copying a file from the master directory to your working directory, making the file unavailable to other users.
lock	The act of making a file unavailable to other users. A file is locked once it is checked out.
unlock	The act of making a file available to other users. A file is unlocked once it is checked in.

Working in Workstation

Introduction

Gentran:Server Workstation uses numerous data files such as maps, compiled maps (.TBL files), implementation guides (.ig files), application descriptions (.app files), and Trading Partnership records.

This section explains how to work with files in Gentran:Server Workstation.

Master directory

Gentran:Server Workstation stores the master files (maps, compiled maps, implementation guides, application descriptions, etc.) on the PC in the master directory specified for the file type. You specify the master directories in the Set Up Directories dialog box, which is available from the main Gentran:Server window under the Settings menu.

File checkout

When you want to edit a master file, you must check it out. When you check out a map file to edit it, Gentran:Server Workstation moves a copy of the file to the working directory and retains the original file in the master directory.

Working directory

Gentran:Server Workstation stores your working files (copies of checked out maps, implementation guides, and application descriptions) in the working directory on the PC. This enables you to modify a checked-out map without affecting the original file. You specify the working directories in the Set Up Directories dialog box, which is available from the Gentran:Server Settings menu.

Map check in

When you **check in** a map file, Gentran:Server Workstation transfers a copy of the file from your working directory to the master directory. If the map file is one that you checked out, Workstation replaces the map in the master directory with the working copy. The working copy becomes the new master file for the map. Gentran:Server lets you to choose to keep or remove the copy of the file in your working directory.

Dialog Boxes

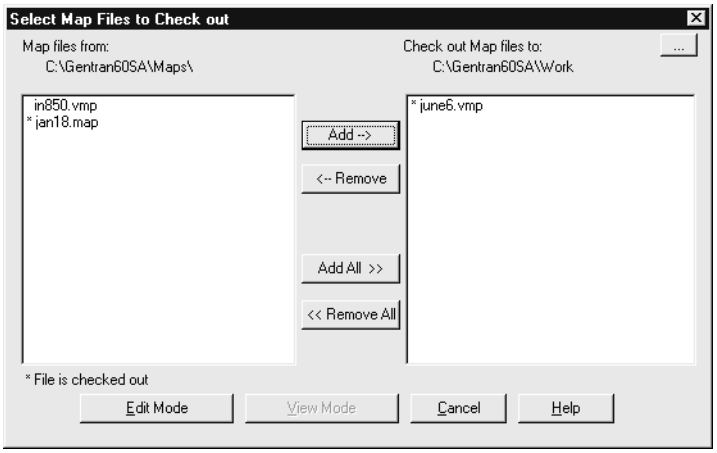
Select Map Files to Check Out Dialog Box

Introduction

The Select Map Files to Check out dialog box is used to move a copy of a map from the master directory to a working directory on the PC. It also moves associated TBL/TPL files

Illustration

This illustration shows the Select Map Files to Check out dialog box.



Note

If your Gentran:Server software is configured with Visual Mapper capabilities, then the Select Map Files to Check out dialog box lists the maps created in both the Application Integration Mapper and the Visual Mapper with the extensions .map and .vmp respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select Map Files to Check out dialog box and their functions.

Field	Function
Map files from	Displays the name of the master directory. The list below the name displays the names of the maps in the master directory. An asterisk next to a name indicates that the map is currently checked out.
Check out Map files to	Displays the name of the default working directory on your PC. This is the directory to which Gentran:Server copies the map file. The list below the directory name displays the names of the working maps in the working directory. **Note** You can use the browse button to select a different directory.
Add	Adds the name of the selected map to the list of maps in the working directory.
Remove	Removes the name of the map from the working directory check out list.
Add All	Adds the names of all the maps in the master directory to the working directory.
Remove All	Removes the names of all the maps from the working directory check out list.
Edit Mode	Checks out the maps so that you can edit them. Copies the maps that you added to the **Check out Map files to** list and moves the copies into the working directory.
View Mode	View Mode is unavailable in Workstation.

Select IG/Application Description Files to Check out Dialog Box

Introduction

This topic describes the following dialog boxes:

- Select Implementation Guide Files to Check out
- Select Application Description Files to Check out

Purpose

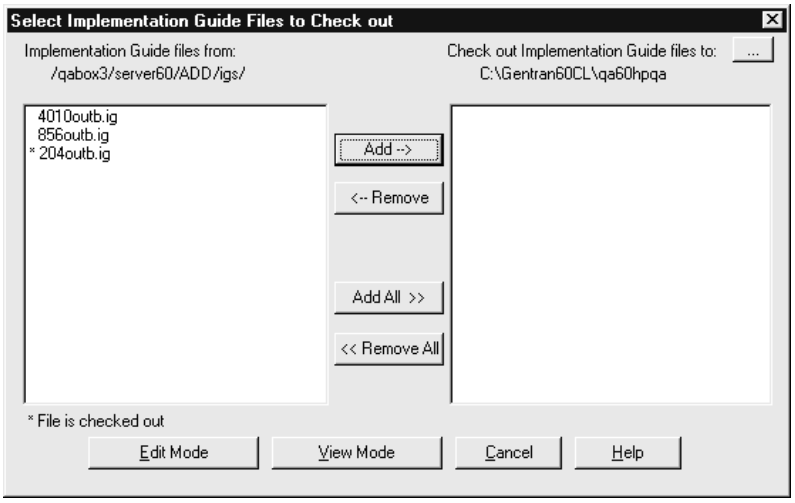
The check out dialog box is used to move a copy of a file from the master directory to a working directory on the PC. The following files can be checked out:

- application descriptions files
- implementation guides files

Example check out dialog box

The same dialog box format is used to check out application description files.

This illustration shows the Select Implementation Guide Files to Check out dialog box.



(Continued on next page)

Fields and functions

This table lists the fields of the Select Implementation Guide Files to Check Out and Select Application Description Files dialog box and their functions.

Field	Function
…files from	Displays the name of the master directory. The list below the name displays the names of the files in the master directory. An asterisk next to a name indicates that the file is currently checked out.
Check out <filename> files to	Displays the name of the default working directory on your PC. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the working files in the working directory. **Note** You can use the browse button to select a different directory.
Add	Adds the name of the selected file to the list of files in the working directory.
Remove	Removes the name of the file from the working directory check out list.
Add All	Adds the names of all the files in the master directory to the working directory.
Remove All	Removes the names of all the files from the working directory check out list.
Edit Mode	Checks out the files so that you can edit them. Copies the files that you added to the **Check out <filename> files to** list and moves the copies into the working directory.
View Mode	View Mode is unavailable in Workstation.

Select Generic Synonym/Thesaurus File to Check out Dialog Box

Introduction

This topic describes the following dialog boxes:

- Select Generic Synonym File to Check out
- Select Thesaurus File to Check out

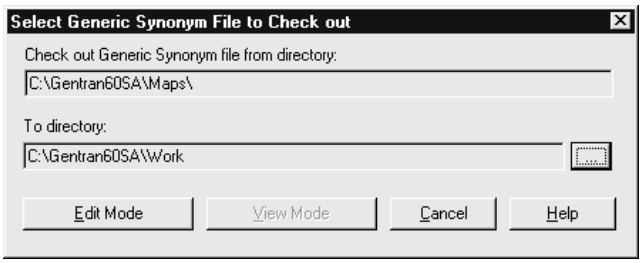
Purpose

The check out dialog boxes are used to move a copy of a generic synonym list or thesaurus list from the master directory to a working directory on the PC.

Example check out dialog box

The same dialog box format is used to check out a thesaurus list.

This illustration shows the Select Generic Synonym File to Check out dialog box.



Fields and functions

This table lists the fields of the Select Generic Synonym File to Check out and the Select Thesaurus File to Check out dialog box and their functions.

Field	Function
… file from directory	Displays the name of the master directory.
To directory	Displays the name of the default working directory on your PC. This is the directory to which Gentran:Server copies the file. **Note** You can use the browse button to select a different directory.

(Continued on next page)

(Contd) Field	Function
Edit Mode	Checks out the file so that you can edit it. Copies the file that you selected and moves the copy into the working directory.
View Mode	View Mode is unavailable in Workstation.

Select Map Files to Check in Dialog Box

Introduction

This topic describes the Select Map Files to Check in dialog box.

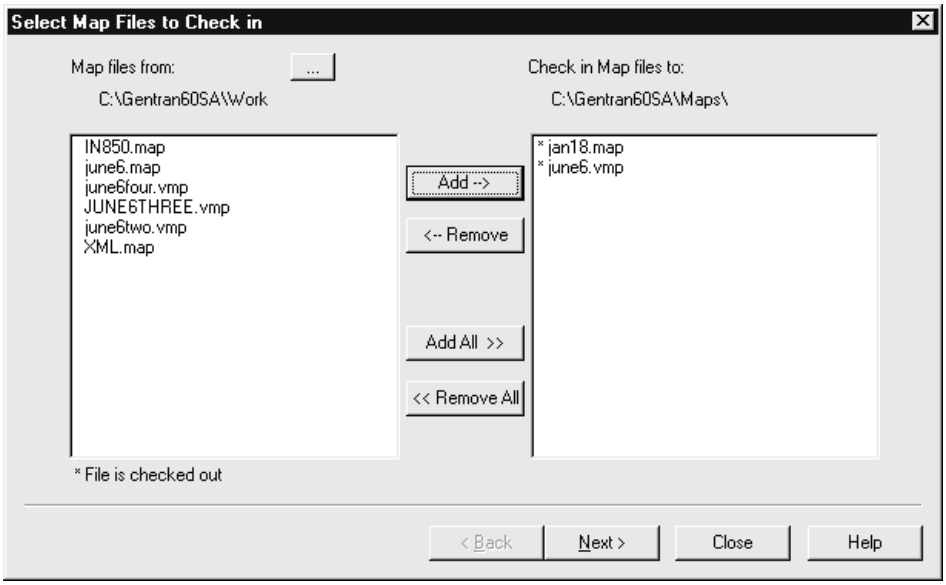
Purpose

The Select Map Files to Check in dialog box is used to move the saved working file from your working directory to the master directory. The system replaces the master file with the map you check in. The following files can be checked in:

- map files
- associated TBL files

Example check in dialog box

This illustration shows the Select Map Files to Check in dialog box.



Note
If your Gentran:Server software is configured with Visual Mapper capabilities, then the dialog box will list maps created in both the Application Integration Mapper and the Visual Mapper with the extensions .map and .vmp respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select Map Files to Check in dialog box and their functions.

Field	Function
Map files from	Displays the name of the working directory on your PC. The list below the name displays the names of the maps in the working directory. **Note** You can use the browse button to select a different directory.
Check in Map files to	Displays the name of the master directory for maps on your PC. This is the directory to which Gentran:Server copies the map file. The list below the directory name displays the names of the maps in the master directory.
Add	Adds the name of the selected map to the list of maps in the master directory.
Remove	Removes the name of the map from the master directory check in list.
Add All	Adds the names of all the maps in the working directory to the master directory.
Remove All	Removes the names of all the maps from the master directory check in list.

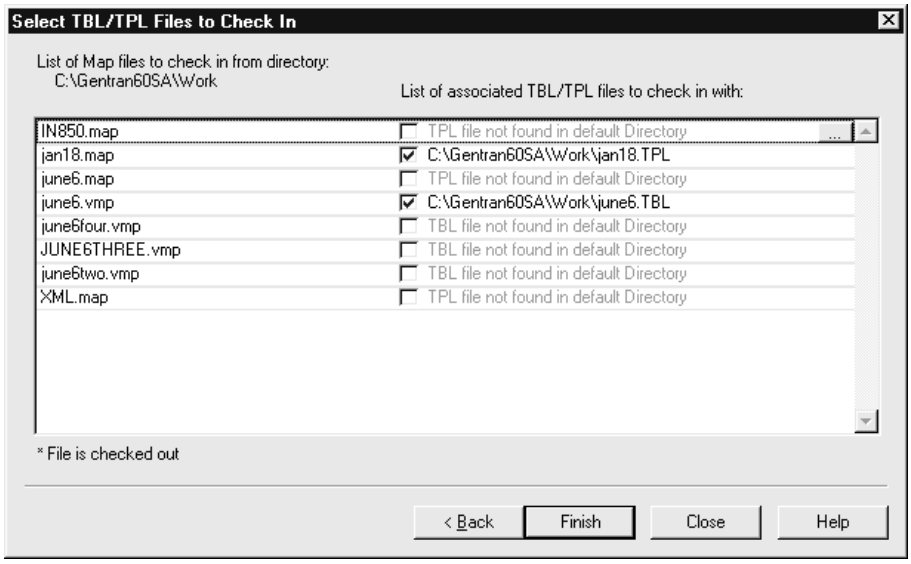
Select TBL/TPL Files to Check In Dialog Box

Introduction

The Select TBL/TPL Files to Check In dialog box is used to select the compiled maps you want to check in.

Illustration

This illustration shows the Select TBL/TPL Files to Check In dialog box.



Note

If your Gentran:Server software is configured with Visual Mapper capabilities, then the dialog box will list maps and associated files created in both the Application Integration Mapper and the Visual Mapper with the extensions .map (TPL) and .vmp (TBL) respectively.

(Continued on next page)

Fields and functions

This table lists the fields of the Select TBL/TPL to Check In dialog box and their functions.

Field	Function
List of Map files to check in from directory	Displays the name of the working directory on your PC. The list below the name displays the names of the maps you are checking in.
List of associated TBL/TPL files to check in with	Displays the names of the translation objects associated with the maps you are checking in.
Finish	Saves your changes and checks in the maps and translation objects you selected.

Select IG/Application Description Files to Check in Dialog Box

Introduction

This topic describes the following dialog boxes:

- Select Implementation Guide Files to Check in
- Select Application Description Files to Check in

Purpose

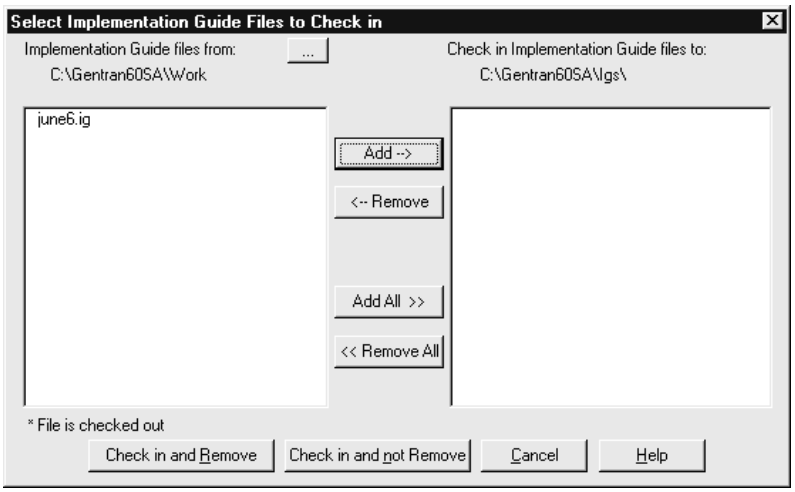
The check in dialog box is used to move the saved working copy of a file from your working directory to the master directory. The system replaces the master file with the file you check in. The following files can be checked in:

- implementation guides files
- application descriptions files

Example check in dialog box

The same dialog box format is used to check in application description files.

This illustration shows the Select Implementation Guide Files to Check in dialog box.



(Continued on next page)

Fields and functions

This table lists the fields of the Select Implementation Guide Files to Check in and Select Application Description Files to Check in dialog box and their functions.

Field	Function
… files from	Displays the name of the working directory. The list below the name displays the names of the files in the working directory. An asterisk next to a name indicates that the file is currently checked out. **Note** You can use the browse button to select a different directory.
Check in <filename> files to	Displays the name of the master directory for files. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the files in the master directory.
Add	Adds the name of the selected file to the list of file definition files in the master directory.
Remove	Removes the name of the file from the master directory check in list.
Add All	Adds the names of all the files in the working directory to the master directory.
Remove All	Removes the names of all the files from the master directory check in list.
Check in and Remove	Saves your changes, starts moving the files, and deletes the working copies from the working directory.
Check in and not Remove	Saves your changes, starts moving the files, and retains the working copies in the working directory.

Note
When you check in a file, the system converts the filename to lowercase letters. UNIX client/server versions require that the filenames are lowercase.

Select Synonym and Thesaurus File to Check in Dialog Boxes

Introduction

This topic describes the following dialog boxes:

- Select Generic Synonym File to Check in
- Select Thesaurus File to Check in

Purpose

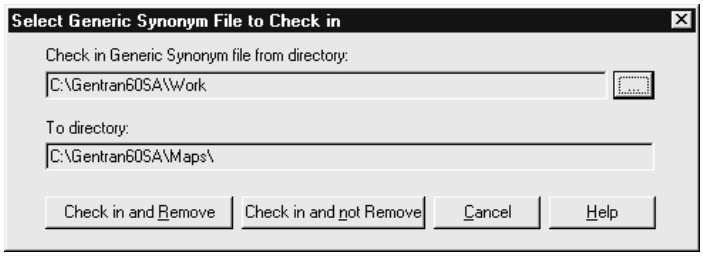
The check in dialog box is used to move the saved working copy of a file from your working directory to the master directory. The system replaces the master file with the file you check in. The following files can be checked in:

- generic synonym list
- thesaurus list

Example check in dialog box

The same dialog box format is used to check in thesaurus lists.

This illustration shows the Select Generic Synonym File to Check in dialog box.



(Continued on next page)

Fields and functions

This table lists the fields of the Select Generic Synonym File to Check in and Select Thesaurus File to Check in dialog box and their functions.

Field	Function
Check in <filename> file from directory	Displays the name of the working directory. The list below the name displays the name of the file in the working directory. **Note** You can use the browse button to select a different directory.
To directory	Displays the name of the master directory for the file. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the name of the file in the master directory.
Check in and Remove	Saves your changes, starts moving the file, and deletes the working copy from the working directory.
Check in and not Remove	Saves your changes, starts moving the file, and retains the working copy in the working directory.

Note
When you check in a file, the system converts the filename to lowercase letters. UNIX client/server versions require that the filenames are lowercase.

Select Map Files to Unlock Dialog Box

Introduction

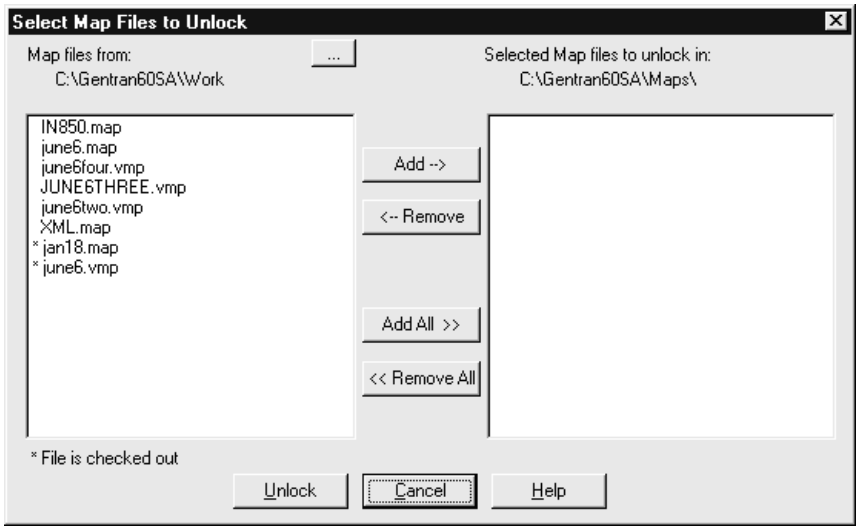
The Select Map Files to Unlock dialog box is used to remove the **lock** from the master file when you do not want to save changes to a map file in your working directory.

Purpose

The Select Map Files to Unlock dialog box is used to remove the lock from the master file when you do not want to save changes to a map file in your working directory.

Illustration

This illustration shows the Select Map Files to Unlock dialog box.



(Continued on next page)

Fields and functions

This table lists the fields of the Select Map Files to Unlock dialog box and their functions.

Field	Function
Map files from	Displays the name of the working directory. The list below the name displays the names of the map files in the working directory. An asterisk next to a name indicates that the file is currently checked out. **Note** You can use the browse button to select a different directory.
Selected Map files to unlock in	Displays the name of the master directory for map files. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the map files in the master directory.
Add	Adds the name of the selected map files to the list of map files in the master directory.
Remove	Removes the name of the map file from the master directory unlock list.
Add All	Adds the names of all the map files in the working directory to the master directory.
Remove All	Removes the names of all the map files from the master directory unlock list.
Unlock	Unlocks the file or files you have selected
Cancel	Cancels your changes and closes the dialog box.

Select IG/Application Description Files to Unlock Dialog Box

Introduction

This topic describes the following dialog boxes:

- Select Implementation Guide Files to Unlock
- Select Application Description Files to Unlock

Purpose

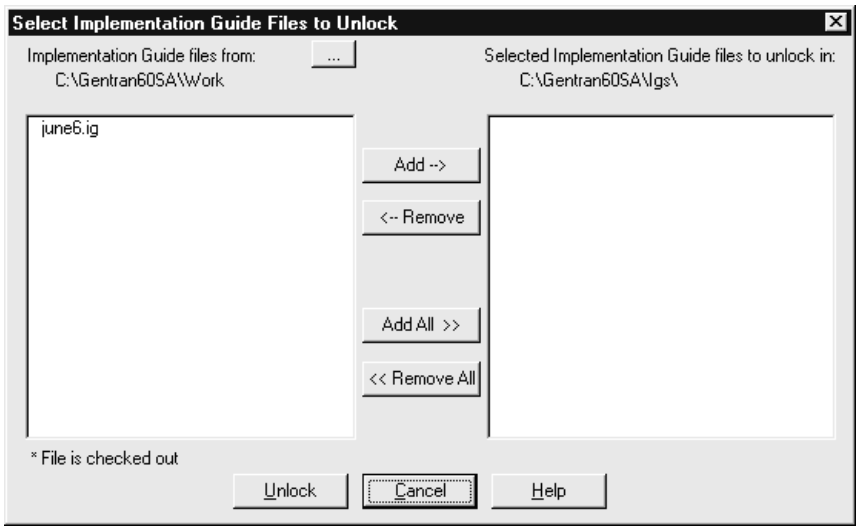
The Select <filename> Files to Unlock dialog box is used to remove the lock from the master file when you do not want to save changes to a file in your working directory. The following files can be unlocked:

- implementation guide files
- application description files

Example unlock dialog box

The same dialog box format is used to unlock application description files.

This illustration shows the Select Implementation Guide Files to Unlock dialog box.



(Continued on next page)

Fields and functions

This table lists the fields of the Select Implementation Guide Files to Unlock Select Application Description Files to Unlock dialog box and their functions.

Field	Function
…files from	Displays the name of the working directory. The list below the name displays the names of the files in the working directory. An asterisk next to a name indicates that the file is currently checked out. **Notes** You can use the browse button to select a different directory.
Selected <filename> files to unlock in	Displays the name of the master directory for the files. This is the directory to which Gentran:Server copies the file. The list below the directory name displays the names of the files in the master directory.
Add	Adds the name of the selected files to the list of map files in the master directory.
Remove	Removes the name of the file from the master directory unlock list.
Add All	Adds the names of all the files in the working directory to the master directory.
Remove All	Removes the names of all the files from the master directory unlock list.
Unlock	Unlocks the file or files you have selected

Synonym and Thesaurus File to Unlock Dialog Boxes

Introduction

This topic describes the following dialog boxes:

- Select Generic Synonym Files to Unlock
- Select Thesaurus Files to Unlock

Purpose

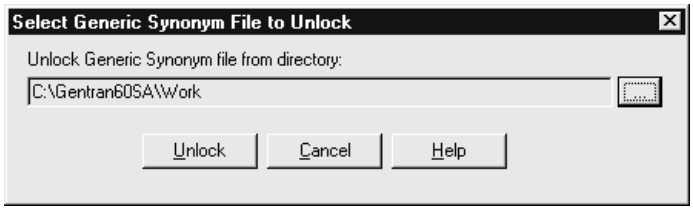
The unlock dialog box is used to remove the lock from the master file when you do not want to save changes to a file in your working directory. The following files can be unlocked:

- generic synonym list
- thesaurus list

Example unlock dialog box

The same dialog box format is used to unlock thesaurus lists.

This illustration shows the Select Generic Synonym Files to Unlock dialog box.



Fields and functions

This table lists the fields of the Select Generic Synonym Files to Unlock and Select Thesaurus Files to Unlock dialog box and their functions.

Field	Function
Unlock <filename> file from directory	Displays the name of the working directory. **Note** You can use the browse button to select a different directory.
Unlock	Unlocks the file or files you have selected

Procedures

How to Check Out Maps and IG/Application Descriptions

Introduction

This topic explains how to check out a file.

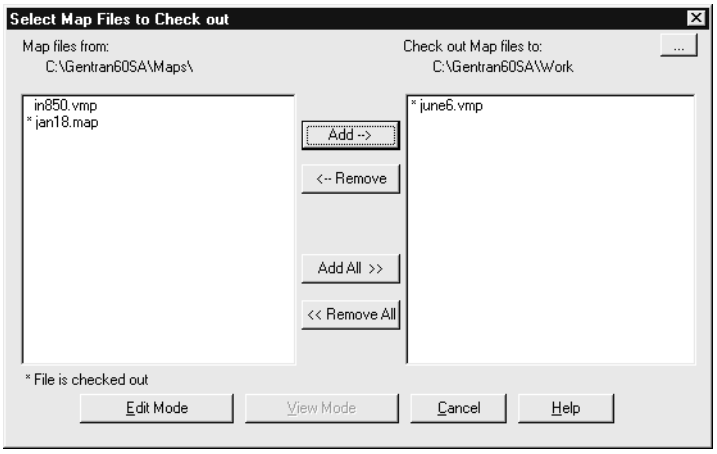
What happens when you check out a file

When you check out a file in Gentran:Server Workstation, Gentran:Server copies the file from the master directory to the working directory on the PC.

(Continued on next page)

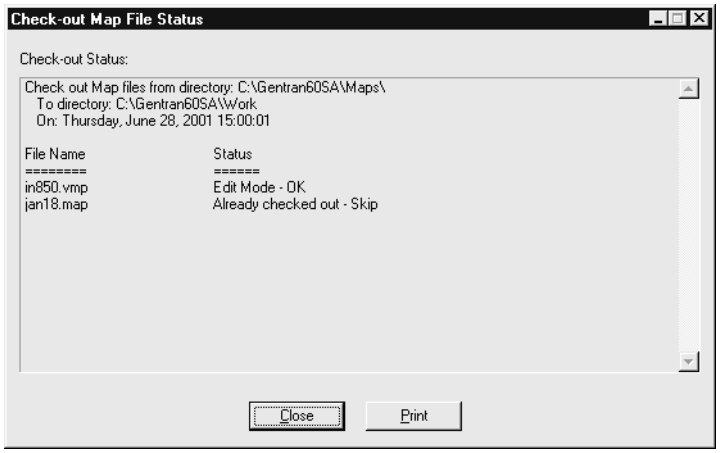
Checking out a map, an IG, or application description

Use this procedure to check out a map, an implementation guide, an application description file in Workstation.

Step	Action
1	Select **Check Out** from the Gentran:Server Main File menu and click the type of file you want to check out. ◗ **Map** ◗ **Implementation Guide** ◗ **Application Description** **System Response** Gentran:Server displays the Select <filename> Files to Check out dialog box.  **Notes** An asterisk next to a file name indicates that the file is already checked out. The View Mode button is unavailable in Workstation.
2	Check the name of the default directory to which the system will copy checked out files. Do you want to check out files to a different directory? ◗ If YES, click the directory button and browse to the directory; continue with the next step. ◗ If NO, continue with the next step. (Continued on next page)

<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="3">3</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td>IF you want to check out…</td><td>THEN…</td></tr>
<tr><td>a single file</td><td>Select the file you want to check out from the list in the left pane and click Add.

Repeat this step for each additional file you want to check out.</td></tr>
<tr><td>4</td><td>all the available files</td><td>Click Add All.</td></tr>
<tr><td>5</td><td colspan="2">Click Edit Mode.

System Response
Gentran:Server displays the Check-out <filename> File Status dialog box.
 
</td></tr>
<tr><td>6</td><td colspan="2">Do you want to print the information displayed on the Check-out <filename> File Status dialog box?
◗ If YES, click the Print.
◗ If NO, click Close.</td></tr>
</table>

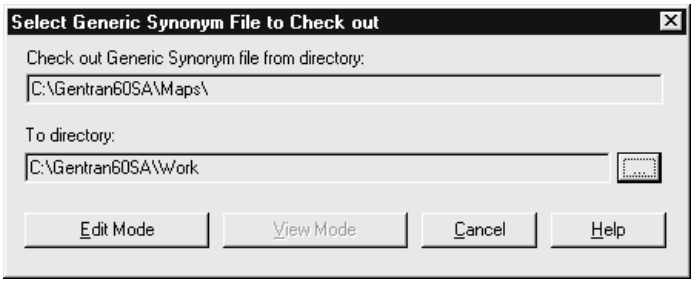
How to Check out a Generic Synonym/Thesaurus List

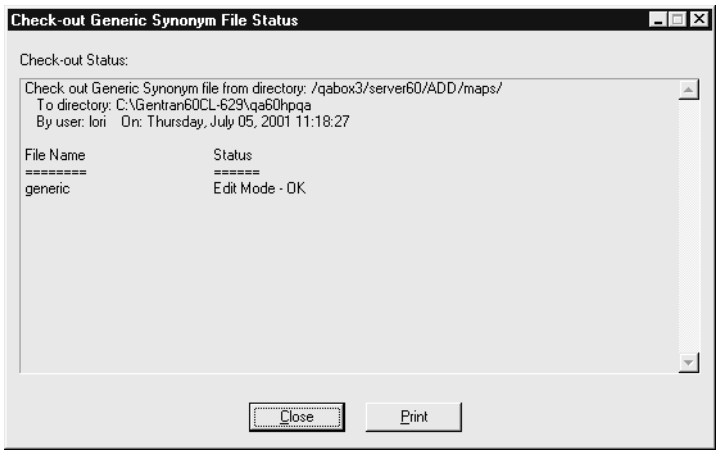
Introduction

This topic explains how to check out generic synonym list and a thesaurus list in Workstation.

Procedure

Use this procedure to check out a generic synonym list or thesaurus list file in Workstation.

Step	Action
1	Select **Check Out** from the Gentran:Server Main File menu and click the type of file you want to check out. ◗ **Generic Synonym List** ◗ **Thesaurus List** **System Response** Gentran:Server displays the Select <filename> Files to Check out dialog box.  **Notes** An asterisk next to a file name indicates that the file is already checked out. The View Mode button is unavailable in Workstation.
2	Check the name of the default directory to which the system will copy checked out files. Do you want to check out files to a different directory? ◗ If YES, click the directory button and browse to the directory; continue with the next step. ◗ If NO, continue with the next step. (Continued on next page)

(Contd) Step	Action
3	Click **Edit Mode**. **System Response** Gentran:Server displays the Check-out <filename> File Status dialog box. 
4	Do you want to print the information displayed on the Check-out <filename> File Status dialog box? ◗ If YES, click the **Print**. ◗ If NO, click **Close**.

How to Save Changes to Working Files

Introduction

If a Visual Mapper map file is open, you can save changes on the PC:

- To the open file
- To the working copy of a map (but not to the original map)

Note
You can also save the map files by using a new file name.

Reference
To replace an original map with a working copy of the map that you have modified, see How to Check In Compiled Maps in this chapter.

WARNING

If you are using both the Application Integration Mapper and the Visual Mapper, you must be careful NOT to overwrite your .vmp map. If the master directory contains a map with the same name as your working map, then you must use a different name for your working map. This prevents the .map file from overwriting the .vmp file.

For example, if you are creating a new map in the Application Integration Mapper using the XXX.vmp as a guide, then save the new map using the file name XXY.map or XXXa.map.

Gentran:Server does not recognize map extensions. When you check in a working map to the master directory, it overwrites any existing map file that has the same file name, regardless of the extension.

Saving changes to an open file

Use this procedure to save changes to an open file.

Procedure
Click **Save** on the **File** menu.

System Response
Gentran:Server updates the file.

(Continued on next page)

Saving to a new file name

Use this procedure to save an open working map file to a new file name in the working directory.

CAUTION

You cannot use this procedure to save a working map file to the master directory.

Step	Action
1	Click **Save As** on the File menu. **System Response** Gentran:Server displays the Save As dialog box.
2	Type the new file name for the copy of the map. **Note** You cannot save a map file to another directory, but you can save it under a new file name. **Reference** See How to Check In Compiled Maps in this chapter to replace a master map file with a modified working copy.
3	Click **OK**. **System Response** Gentran:Server saves a copy of the map under the new name.

How to Unlock Master Files and Delete Working Copies

Introduction

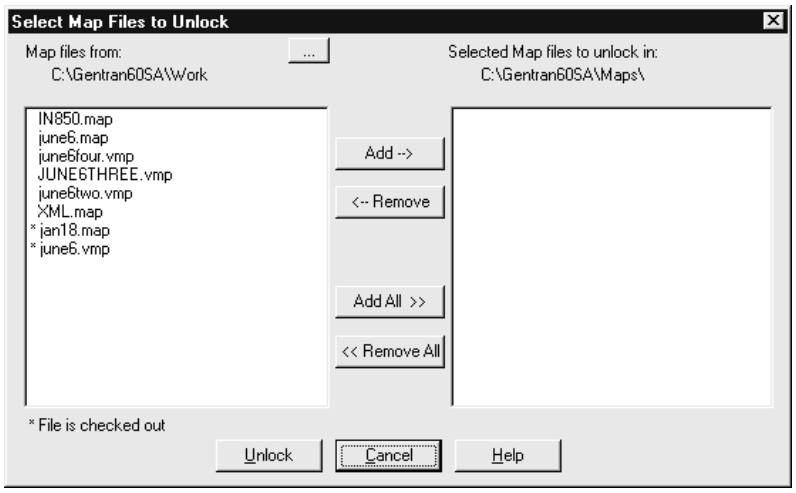
If you do not want to save changes to a file in your working directory, you can use the Gentran:Server Unlock function to remove the lock from the master file and delete the working copy of the file. This procedure explains how to use the Unlock function.

CAUTION

When you unlock a master file, you lose all changes you made to the working file. Use this procedure only if you want to delete the working file.

Procedure

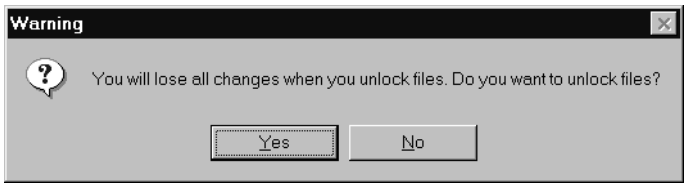
Use this procedure to unlock a master file and delete a working file.

Step	Action
1	Select **Unlock** from the File menu and click the type of file you want to unlock: ◗ **Map** ◗ **Implementation Guide** ◗ **Application Description** ◗ **Generic Synonym List** ◗ **Thesaurus List** **System Response** Gentran:Server displays the Select <filename> Files to Unlock dialog box.  (Continued on next page)

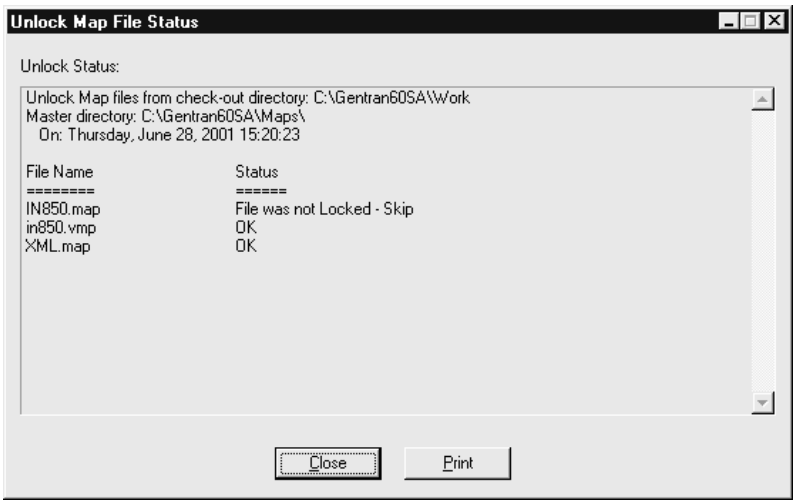
<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td rowspan="4">2</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td>IF you want to unlock…</td><td>THEN…</td></tr>
<tr><td>a single file</td><td>Select the file you want to remove from the list of available files in the left box and click Add.

System Response
Gentran:Server moves the selected file to the selected files to unlock list.</td></tr>
<tr><td>all the available files</td><td>Click Add All.

System Response
Gentran:Server moves all the files to the selected files to unlock list.</td></tr>
<tr><td>a generic synonym or thesaurus list</td><td>Go to Step 3.</td></tr>
<tr><td>3</td><td colspan="2">Click Unlock.

System Response
Gentran:Server displays this dialog box.
 

(Continued on next page)</td></tr>
</table>

(Contd) Step	Action
4	Do you want to continue? ◗ If YES, click **Yes**. ◗ If NO, click **No**. **System Response** If you clicked **Yes**, Gentran:Server displays the Unlock <filename> File Status dialog box. 
5	Do you want to print the information displayed on the Unlock <filename> File Status dialog box? ◗ If YES, click the **Print**. ◗ If NO, click **Close**.

How to Check In Compiled Maps

Introduction

This topic explains how to check in maps and the compiled maps (TBL files) associated with them.

What happens when you check in a file

When you are satisfied that a working map and compiled map produces the results you expect, you **check in** the working file. When you check in a working file, the system copies the file from the working directory to the master directory, replacing the original file. The working file becomes the new map or compiled map. You can choose to leave a copy of the file in the working directory or remove it.

Maps

The procedure for checking in maps differs from that for checking in other files because you can check in multiple maps at the same time.

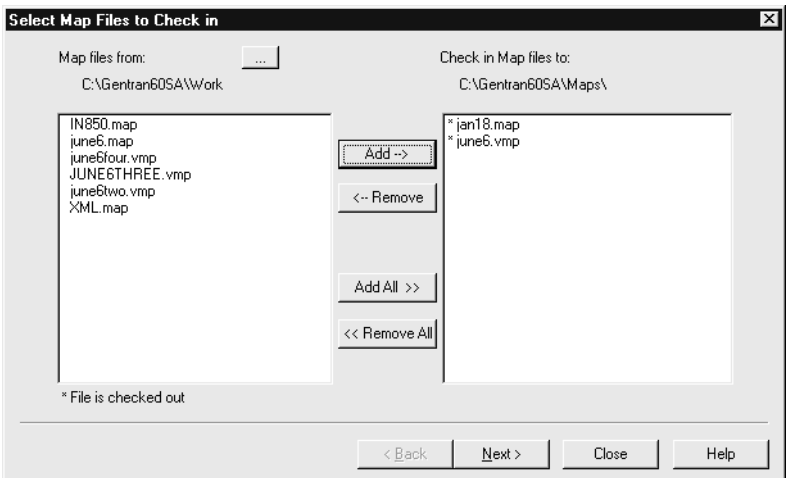
You can check in a compiled working map or an uncompiled working map.

- If you compile a working map before you check it in, the Check In function moves the compiled map to the master directory.
- If you move an uncompiled working map, you must compile it in the master directory; otherwise, the translator will not recognize the changes.

(Continued on next page)

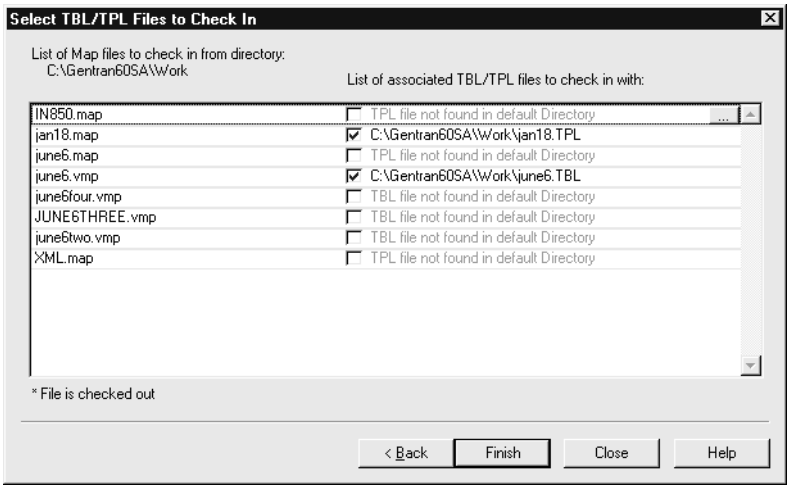
Checking in maps and compiled maps

Use this procedure to check in a map and compiled map.

Step	Action
1	Select **Check In** from the Gentran:Server Main File menu and click **Map**. **System Response** Gentran:Server displays the Select Map Files to Check in dialog box.  **WARNING** **If you are using both the Application Integration Mapper and the Visual Mapper, you must be careful NOT to overwrite your .vmp map. If the master directory contains a map with the same name as your working map, then you must use a different name for your working map. This prevents the .map file from overwriting the .vmp file.** **For example, if you are creating a new map in the Application Integration Mapper using the XXX.vmp as a guide, then save the new map using the file name XXY.map or XXXa.map.** **Gentran:Server does not recognize map extensions. When you check in a working map to the master directory, it overwrites any existing map file that has the same file name, regardless of the extension.** (Continued on next page)

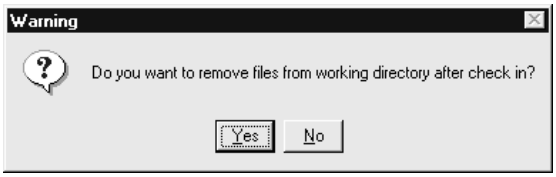
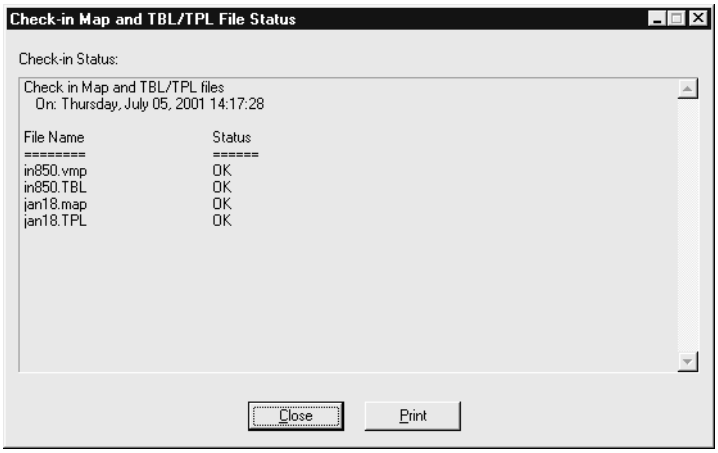
<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td>2</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td></td><td>IF you want to check in…</td><td>THEN…</td></tr>
<tr><td></td><td>a single map</td><td>Select the map you want to check in from the list in the left pane and click Add.

Repeat this step for each additional map you want to check in.</td></tr>
<tr><td></td><td>all the available maps</td><td>Click Add All.</td></tr>
<tr><td>3</td><td colspan="2">Click Next.

System Response
Gentran:Server searches for the associated translation object files in the default Table Location directory and displays the results in the Select TBL/TPL Files to Check In dialog box.
 
</td></tr>
<tr><td>4</td><td colspan="2">Do you want Gentran:Server to search for the translation object in a different directory?

◗ If YES, click the browse button next to specify the directory; continue with next step.
◗ If NO, continue with Step 5.

(Continued on next page)</td></tr>
</table>

(Contd) Step	Action
5	Do you want to check in the compiled map associated with the map you are checking in? ◗ If YES, make sure that the check box next to the translation object is selected and then click **Finish**. ◗ If NO, clear the check box and then click **Finish**. **System Response** Gentran:Server displays this dialog box. 
6	Do you want to remove the copies of the working files from the working directory after the files are checked in? ◗ If YES, click the **Yes** button. ◗ If NO, click the **No** button. **System Response** The system displays the Check-in Map and TBL/TPL File Status dialog box. 
7	Do you want to print the information displayed on the Check-in <filename> Status dialog box? ◗ If YES, click the **Print**. ◗ If NO, click **Close**.

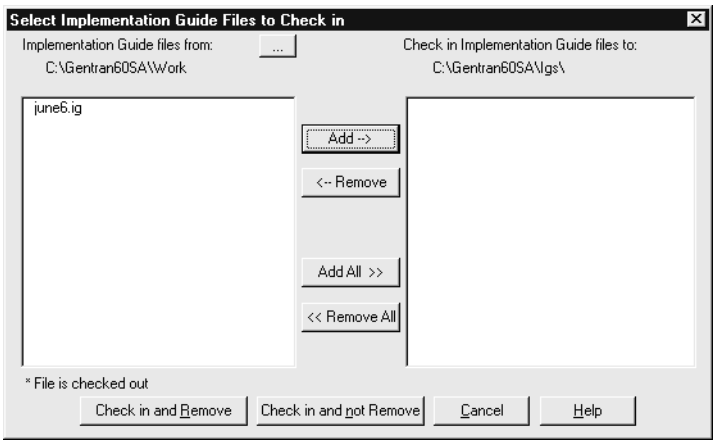
How to Check In IG/Application Description Files

Introduction

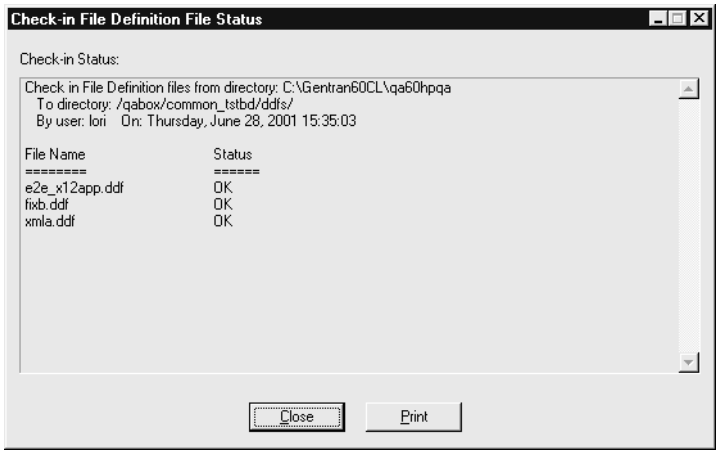
When you are satisfied with an implementation guide or application description file, you **check in** the working file. When you check in a working file, the system copies the file from the working directory to the master directory, replacing the original file. The working file becomes the new implementation guide or application description. You can choose to leave a copy of the file in the working directory or remove it.

Checking in an IG or application description

Use this procedure to check in an implementation guide or application description file.

Step	Action
1	Select **Check In** from the Gentran:Server Main File menu and click either Implementation Guide or Application Description. **System Response** Gentran:Server displays the Select <filename> File to Check in dialog box  (Continued on next page)

(Contd) Step	Action	
2	Use this table to determine your next step.	
	IF you want to check in…	**THEN…**
	a single implementation guide or application description file	Select the implementation guide or application description file you want to check in from the list in the left pane and click **Add**. Repeat this step for each additional file you want to check in.
	all the available implementation guide or application description files	Click **Add All**. (Continued on next page)

<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td>3</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td></td><td>IF you want to…</td><td>THEN click…</td></tr>
<tr><td></td><td>Remove the working files from the working directory after they are checked in</td><td>Check in and Remove</td></tr>
<tr><td></td><td>Leave the working files in the working directory after they are checked in</td><td>Check in and not Remove</td></tr>
<tr><td></td><td colspan="2">System Response
Gentran:Server displays the Check-in <filename> File Status dialog box.
 
</td></tr>
<tr><td>4</td><td colspan="2">Do you want to print the information displayed on the Check-in <filename> Status dialog box?
◗ If YES, click Print.
◗ If NO, click Close.</td></tr>
</table>

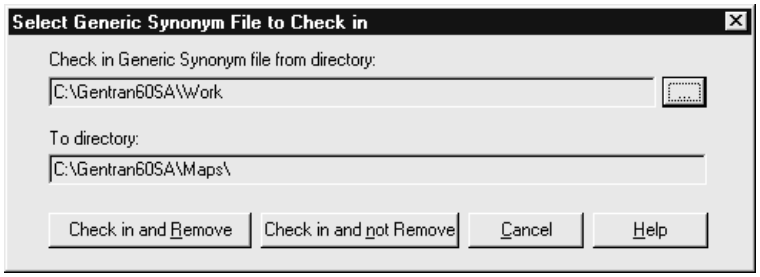
How to Check In Synonym and Thesaurus List Files

Introduction

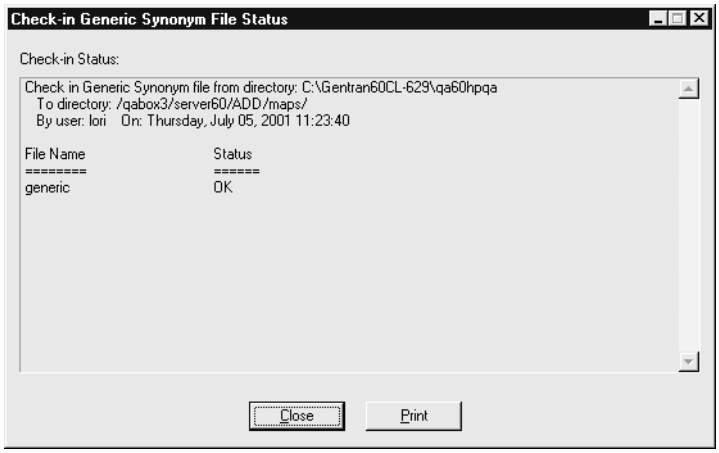
When you are satisfied with a synonym or a thesaurus list file, you **check in** the working file. When you check in a working file, the system copies the file from the working directory to the master directory, replacing the original file. The working file becomes the new file definition. You can choose to leave a copy of the file in the working directory or remove it.

checking in a generic synonym list or thesaurus list

Use this procedure to check in a generic synonym or a thesaurus list file.

Step	Action
1	Select Check In from the Gentran:Server Main File menu and click the file you want to check in: ◗ **Generic Synonym List** ◗ **Thesaurus List** **System Response** Gentran:Server displays the Select <filename> File to Check in dialog box. 
2	Select the generic synonym file or thesaurus file you want to check in. (Continued on next page)

<table>
<tr><th>(Contd) Step</th><th colspan="2">Action</th></tr>
<tr><td>3</td><td colspan="2">Use this table to determine your next step.</td></tr>
<tr><td></td><td>IF you want to…</td><td>THEN click…</td></tr>
<tr><td></td><td>Remove the working files from the working directory after they are checked in</td><td>Check in and Remove</td></tr>
<tr><td></td><td>Leave the working files in the working directory after they are checked in</td><td>Check in and not Remove</td></tr>
<tr><td>4</td><td colspan="2">System Response

Gentran:Server displays the Check-in <filename> File Status dialog box.
 
</td></tr>
<tr><td>5</td><td colspan="2">Do you want to print the status report?
◗ If YES, click Print.
◗ If NO, click Close.</td></tr>
</table>

Note
When you check in a file, the system converts the filename to lowercase letters. UNIX client/server versions require that the filenames are lowercase.

Glossary

Acrobat Reader An Adobe program designed to read and display Portable Document Format (PDF) documents.

application The business software generating the business information that you are sending or receiving electronically.

check in The act of returning a copy of a file from your working directory to the master directory, making it available to other users.

check out The act of copying a file from the master directory to your working directory, making the file unavailable to other users.

default A value that is automatically assigned.

DNS Domain Name Services.

EDI Electronic Data Interchange.

Application-to-application transfer of key business transaction information in a standard or XML format via a computer-to-computer communication link.

EDI standard A format to regulate syntax, structure, and content of transaction data.

GENCOD The GENCOD standard was developed by the French National Numbering Organization GENCOD-EAN France. The GENCOD standard is used mainly in France within the retail market by some major retailers and manufacturers.

HIPAA Health Insurance Portability and Accounting Act.

lock The act of making a file unavailable to other users. A file is locked once it is checked out.

map A file that contains the relationships between:

- The segments and elements of a standard EDI document and the data fields in your application,
- The elements in an XML document and the data fields in your application, EDI standard document, or in another XML document,
- The segments and elements of two different standards, or
- The records and fields of two different applications.

master directory The directory on a PC or on a server that stores your master files.

master file The version of a file that Gentran:Server uses to process data.

MDAC Microsoft Data Access Components.

NCPDP National Council of Prescription Drug Programs.

ODBC Open Database Connectivity.

PCM Process Control Manager.

standard format A format intelligible to computerized data management systems.

temporary file	A file on the client that Gentran:Server uses during editing and compiling.
trading partner	The company, division, or group with which you are exchanging business data electronically.
Trading Partnership	An arrangement to exchange information in a specific document type with a specific trading partner and using a particular standard version.
unlock	The act of making a file available to other users. A file is unlocked once it is checked in.
user directory	The directory on the server that temporarily holds the files being transferred from a client's working directory to the master directory on the server.
VAN	Value Added Network.
VDA	Verband der Deutschen Automobilindustrie. A German group responsible for a range of different standards in the automobile industry.
working file directory	The directory created on the client to hold the files that a user is editing.
XML	Extensible Markup Language. Describes a class of data objects called XML documents, and partially describes the behavior or computer programs which process them.

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