

Gentran:Server[®] for iSeries[®]
Communications Module

Release Notes and Impact Information

Release 3.5

Sterling Commerce
An IBM Company

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Introduction

In this Chapter This chapter details the features and enhancements included in the Gentran:Server for iSeries Communications Module Release 3.5.

Reference

See “Impact Information” in Chapter 2 of this document for information on how this release may impact your Gentran:Server for iSeries Communications Module® Release 3.2, 3.3, or 3.4 system.

Assumptions This document assumes that you have a working knowledge of the Gentran:Server for iSeries Communications Module system, its terminology, and its processes.



Caution

Gentran:Server for iSeries Communications Module provides support for OS/400 versions that IBM supports. If you are using a version of OS/400 that IBM does not support, you must upgrade the operating system before installing Release 3.5.

Upgrading from Release 3.2, 3.3, or 3.4 Prior to upgrading, review the Release Notes and Impact Information for each release that you will be skipping. You can access these documents from the Support on Demand Web site.



Caution

Review both sets of Release Notes and Impact Information documents to fully understand all of the changes that you will encounter.

Enhancements This table specifies the page on which each enhancement section begins.

Enhancement Type	See...
Documentation	page 4
Online	page 10

Section A. Product Delivery Changes

Product Delivery

The Gentran:Server for iSeries Communications Module Release 3.5 product is provided on the Electronic Software Distribution (ESD) portal.

To install using the ESD portal, follow the Install from ESD Portal instructions.

All product updates are provided on the Support On Demand website.

User Documentation Delivery Changes for Release 3.5

All user documentation is provided on a CD-ROM, on the ESD portal, and on the Support On Demand website. Paper copies are no longer provided.

Install Gentran:Server for iSeries Communications Module Release 3.5 from CD-ROM

Install Documentation from CD-ROM

If you are installing Gentran:Server for iSeries Communications Module Release 3.5 from CD-ROM, insert the documentation CD-ROM and copy the manuals onto your system. Next, open and print the *Gentran:Server for iSeries Communications Module Release 3.5 Installation Guide*.

Install Product from CD-ROM

Follow the instructions in the *Gentran:Server for iSeries Communications Module Release 3.5 Installation Guide* using the product CD-ROMs.

Product Updates

Go to <https://support.sterlingcommerce.com> or call customer support at 1-800-GENTRAN if you have questions about product updates.

Install Gentran:Server for iSeries Communications Module Release 3.5 from the ESD Portal

Required Hardware and Software

This procedure assumes that you are downloading the product .zip file to a PC or workstation and then uploading it to your iSeries system. The following are required:

- Approximately 100 MB (total) free space on your PC Hard drive for both the zipped (30 MB) and unzipped (70 MB) images
- WinZip software
- Adobe Acrobat Reader (for documentation PDF)

If you do not have Acrobat Reader, you can download a free version from the Adobe website.

Download Documentation .zip File from the ESD Portal

To download the documentation from the ESD portal:

1. Find Gentran:Server for iSeries Communications Module Release 3.5 documentation and click **Download**.
2. In the File Download dialog box, click **Save**.
3. When the Save As dialog box opens, save the GSi35Doc.zip file to the C:\ drive.

Unzip the Documentation .zip File

Unzip the GSi35Doc.zip file into a Release 3.5 documentation folder. You should have the following documents:

- *Gentran:Server for iSeries Communications Module Release Notes and Impact Information Release 3.5*
- *Gentran:Server for iSeries Communications Module Installation Guide Release 3.5*
- *Gentran:Server for iSeries Cumulative Fix Installation Guide Release 3.5*
- *Gentran:Server for iSeries Communications Guide Release 3.5*
- *Gentran:Server for iSeries Manager's Implementation Planner Release 3.5*
- *Gentran:Server for iSeries Technical Reference Guide Release 3.5*
- *Gentran:Server for iSeries User Guide Release 3.5*
- *Gentran:Viewpoint for iSeries for Gentran:Server Release 3.5*
- *EDI Complete, ANSI X12 Tutorial Guide for Gentran:Server for iSeries Release 3.5*
- *EDI Complete, EDIFACT Tutorial Guide for Gentran:Server for iSeries Release 3.5*

- *Gentran:Server for iSeries Communications Module Release Notes and Impact Information Release 3.5* (this document)
- *Gentran:Server for iSeries Communications Module Installation Guide Release 3.5*
- *Gentran:Server for iSeries Communications Module User Guide Release 3.5*
- *Gentran:Server for iSeries Extension for SAP R/3 Release 3.5*
- *Gentran:Server for iSeries Release 3.5 Standards Installation*

You will need to print the *Gentran:Server for iSeries Communications Module Installation Guide Release 3.5* before continuing with the installation.

Download the Product .zip File from the ESD Portal

To download the GSi35Comm.zip file from the ESD portal:

1. Find Gentran:Server for iSeries Communications Module Release 3.5 product and click **Download**.
 2. In the File Download dialog box, click **Save**.
 3. When the Save As dialog box opens, save the GSi35Comm.zip file to the C:\ drive or to a shared mapped drive on your iSeries IFS file system.
-

Files Contained in the .zip File

Unzip the GSi35Comm.zip file. You should have the following files:

- G35COM
 - G35DTA
 - G35FIXDTA
 - G35PGM
 - G35FIXPGM
 - G3X5TOOL
 - QGPLCOM35
-

Create Save Files

For each item that you plan to install, create a save file on your iSeries. Use the following commands, where **G35TEMP** is the library where your save files will reside (G35TEMP represents a library of your choice):

- **CRTSAVF FILE (G35TEMP/G35DTA)**
 - **CRTSAVF FILE (G35TEMP/G35PGM)**
 - **CRTSAVF FILE (G35TEMP/G35FIXDTA)**
 - **CRTSAVF FILE (G35TEMP/G35FIXPGM)**
 - **CRTSAVF FILE (G35TEMP/G35COM)**
 - **CRTSAVF FILE (G35TEMP/G3X5TOOL)**
 - **CRTSAVF FILE (G35TEMP/QGPLCOM35)**
-

If You Saved to a Mapped Network Drive

If you saved your files to a mapped network drive, enter the following commands from an iSeries command line (where **G35TEMP** is the library where your save files will reside):

- `CPYFRMSTMF FROMSTMF ('location of file/QGPLCOM35') TOMBR ('QSYS.LIB/G35TEMP.LIB/QGPLCOM35.FILE') MBROPT (*REPLACE)`
- `CPYFRMSTMF FROMSTMF ('location of file/G35DTA') TOMBR ('QSYS.LIB/G35TEMP.LIB/G35DTA.FILE') MBROPT (*REPLACE)`
- `CPYFRMSTMF FROMSTMF ('location of file/G35PGM') TOMBR ('QSYS.LIB/G35TEMP.LIB/G35PGM.FILE') MBROPT (*REPLACE)`
- `CPYFRMSTMF FROMSTMF ('location of file/G35FIXDTA') TOMBR ('QSYS.LIB/G35TEMP.LIB/G35FIXDTA.FILE') MBROPT (*REPLACE)`
- `CPYFRMSTMF FROMSTMF ('location of file/G35FIXPGM') TOMBR ('QSYS.LIB/G35TEMP.LIB/G35FIXPGM.FILE') MBROPT (*REPLACE)`
- `CPYFRMSTMF FROMSTMF ('location of file/G35COM') TOMBR ('QSYS.LIB/G35TEMP.LIB/G35COM.FILE') MBROPT (*REPLACE)`
- Enter the following command only if you are downloading the tools library:
`CPYFRMSTMF FROMSTMF ('location of file/G3X5TOOL') TOMBR ('QSYS.LIB/G35TEMP.LIB/G3X5TOOL.FILE') MBROPT (*REPLACE)`

If You Saved to a PC Hard Drive

If you saved your files to a PC hard drive, complete the following steps:

1. From a DOS prompt, enter `ftp`.
2. Type `open` and press **Enter**.
3. After the `(to)` parameter, enter the IP address for your iSeries server.
4. Enter your iSeries user profile and password as prompted.
5. After you are logged on, enter `binary`. If you do not enter this command, the file transfer will not be executed correctly.
6. Enter the following commands to send the files to your iSeries server (where **G35TEMP** is the library where your save files will reside):
 - `put c:\location\of\the\savf\QGPLCOM35 G35TEMP/QGPLCOM35 (replace`
 - `put c:\location\of\the\savf\G35DTA G35TEMP/G35DTA (replace`
 - `put c:\location\of\the\savf\G35PGM G35TEMP/G35PGM (replace`
 - `put c:\location\of\the\savf\G35FIXDTA G35TEMP/G35FIXDTA (replace`
 - `put c:\location\of\the\savf\G35FIXPGM G35TEMP/G35FIXPGM (replace`
 - `put c:\location\of\the\savf\G35COM G35TEMP/G35COM (replace`
 - Enter the following command only if you are downloading the tools library:
`put c:\location\of\the\savf\G3X5TOOL G35TEMP/G3X5TOOL (replace`
7. Once completed, enter `quit` to exit your ftp session.

Installation

Continue with the installation procedures described in the *Gentran:Server for iSeries Communications Module Installation Guide Release 3.5*.

**Download updates
from Support On
Demand**

After installing this product, you must obtain the latest product updates from the Support on Demand website. Go to <https://support.sterlingcommerce.com> or call customer support at 1-800-GENTRAN if you have questions about product updates.

Section B. Online Enhancements

Miscellaneous Online Enhancements

Introduction

This section describes miscellaneous online enhancements that are included with Gentran:Server for iSeries Communications Module Release 3.5.

Command Added to Replace up to Five Characters

The RPLCHARS was added to find and replace up to five characters in a specified file.

GENSYSCFG Menu Modified

Modifications were made to the GENSYSCFG menu to include the Set W/W Communications Sort Option (SETCOMMSRT). This option was added to control the sort order for the Work with Communications (EDIX400) panel.

Prompting Available in Processing Commands

When you prompt on the Comm. Profile parameter in the ADD, EXTRACT, and GIFSGATE commands, a list of available communication profiles will be displayed.

Online Communication Enhancements

Introduction	This section describes the online communication enhancements made to the Gentran:Server for iSeries Communications Module Release 3.5.
New Protocol Type 'AS2' Added to Comm. Profile Setup	A new protocol type, AS2 was added for use when creating new communications profiles. This protocol can be used when communicating via AS2. This issue was also put into point release 3.4.7 of the previous release.
New Protocol Type 'OFT' Added to Comm. Profile Setup	A new protocol type, OFT was added to support communication over a TCP/IP connection with other devices that implement the ODETTE File Transfer Protocol.
New Keywords Added for FTP Comm. Scripting	<p>The RMVCHAR keyword was added to the FTP protocol, which will allow specified characters to be removed from the data. The AUTORENAME keyword was added to the FTP protocol. That will allow the RENAME subcommand to be generated after each PUT subcommand.</p> <p>+BATSEQ+ and +PRFSEQ+ will insert the Batch Sequence and profile sequence number in the file name being sent.</p>
New Session Control Description Field	A new description field was added to the Communication Session Control to better identify each session control.
Can Now Remove up to Two HEX Characters on the Add and GIFSGATE Command	You can now enter up to two HEX characters to be removed from the data that is being added to the queue. When data is sent in with CRLF, you can now remove it when adding it to the queue.
Add Command will Check for an Object Lock on the File	You now have the ability to check for an object lock on the file being added to the communications queue.

(Continued on next page)

**New Options Added
to Outbound
Communication
Queue Screen**

An option was added to run a STRCOMSSN from the outbound communications screen.

**New View for
Communication
Profile Screen**

The communications profile screen is now configurable and will display only those profiles that are selected for view.

**New Input Fields for
Secure FTP**

The port and data protection fields were added for the Secure FTP option.

**New Field for
Communication
Profile Screen**

The Used Most Frequently field was added so that profiles used often will be displayed for view.

Purge Enhancements

Introduction This section describes purge enhancements that are included with Gentran:Server for iSeries Communications Module Release 3.5.

Purge Programs Modified to All Work Consistently All of the purge programs have been modified to all work consistently.

Impact Information

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Introduction

Overview This release is designed to increase your Gentran:Server for iSeries Communications Module Release 3.5 functionality, with minimal impact to your existing system. However, some features may impact how you configure your system and how you use the product. This chapter describes the impact of Gentran:Server for iSeries Communications Module on your current system.

Impact Sections This table describes the Impact sections listed in the chapter.

Impacted Area	See...
Screen Changes	page 18
Object Changes	page 22

Section A. Online Enhancements

Miscellaneous Online Enhancements

Introduction

This section describes the miscellaneous online enhancements that are included with Gentran:Server for iSeries Communications Module Release 3.5.

Command Added to Replace up to Five Characters

The RPLCHARS command was added to find and replace up to five characters of data in a specified file.

GENSYSCFG Menu Modified

On the GENSYSCFG menu, Option 15, Set W/W Communications Sort Option (SETCOMMSRT) was added to control the sort order for the Work with Communications (EDIX400) panel.

Prompting Available in Processing Commands

When you prompt on the Comm. Profile parameter in the ADD, EXTRACT, and GIFSGATE commands, a list of available communication profiles will be displayed.

Online Communication Enhancements

Introduction	This section describes the online communication enhancements made to the Gentran:Server for iSeries Communications Module Release 3.5.
New protocol Type 'AS2' Added to Comm Profile Setup	A new protocol type, AS2 was added for use when creating new communications profiles in program EDIX401 - FMT01. This protocol can be entered when creating a communication profile that will be used when communicating via AS2. The only information required when creating an AS2 profile is the information on panel - FMT01. This issue was also put into point release 3.4.7 of the previous release.
New protocol type 'OFT' added to Comm Profile Setup	A new protocol type, OFT was added when creating new communications profile in program EDIX401 - FMT01. This protocol can be entered when creating a communication profile that requires communication over a TCP/IP connection with other devices that implement the ODETTE File Transfer Protocol.
New Session Control Description Field	A new description field was added to the Communication Session Control to better identify each session control. This field is displayed on the Work with Communications Session panel - EDIX402 FMT01 and can be modified on Communication Session Control panel - EDIX403 CTL01.
Can now remove up to Two Hex Characters on the Add and GIFSGATE Command	You can now enter up to two HEX characters to be removed from the data that is being added to the queue. When data is sent in with CRLF, you can now remove it when adding it to the queue. When this type of data is received into the IFS, enter *FIXED on the 'Outbound End of Line' parameter and then enter the two characters to be removed when executing the GIFSGATE command.
Add Command will Check for an Object Lock on the File	You now have the ability to check for an object lock on the file that is being added to the communications queue.
New Menu Option on GENCOM	On the GENCOM menu, Option 43, Replace Characters (RPLCHARS), was added.

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**New Keywords
Added for FTP
Comm. Scripting**

The RMVCHAR keyword was added to the FTP protocol, which will allow specified characters to be removed from the data.

The AUTORENAME keyword was added to the FTP protocol that will allow the RENAME subcommand to be generated after each PUT subcommand.

+BATSEQ+ and +PRFSEQ+ will insert the Batch Sequence and profile sequence number in the file name being sent.

**New Option Added
to Outbound Comm.
Queue Screen**

On the Outbound Comm. Queue Screen, Option 33 was added to run a STRCOMSSN from the outbound communications screen populating the profile with the profile that you are currently viewing.

**New View for Comm.
Profile Screen**

The communications profile screen is now configurable and will only display those profiles that are selected for view. This function is controlled by a flag on the communications profile screen - Used Most Frequently flag on EDIX401 and a new 'used most freq' sort order.

Purge Enhancements

Purge Programs Modified to All Work Consistently

All of the purge programs have been modified to work consistently. They all now have *DATE (Enter a to and from date to purge), *DAYS (days to retain on file), and *ALL.

Section B. Object Changes

Screen Changes

Introduction This section describes screen changes included with Gentran:Server iSeries Release 3.5.

All Menus All Gentran menus have been updated to reflect Release 3.5. This includes: GENCOM, GENMAIN, GENSYSCFG, and GENFILETRK.

File Changes

Introduction This section describes new objects, deleted objects, and changes made to existing objects.

Files Changed The file listed in the following table has been changed in Gentran:Server for iSeries Communications Module Release 3.5. If you have written programs using the file listed in this table, compare your current file descriptions to Gentran:Server for iSeries Communications Module Release 3.5 file descriptions to identify specific changes. To do this, use the Display File Description (**DSPFD**) command and the Display File Field Description (**DSPFFD**) command. Please note that the file may have logical a file over it that would have to be rebuilt.

File Name	Type	Description
COMPRF	PF	Added field used in frequently used sort order (CPFUSE)

New Files The following file listed has been added in Gentran:Sever for iSeries Release 3.5. Use the Display File Description (**DSPFD**) command and the Display File Field Description (**DSPFFD**) command to obtain the information.

File Name	Type	Description
COMCTLD	PF	Communication Control Description

Command Changes

Introduction This section describes the commands that have been modified in Gentran:Server for iSeries Communications Module Release 3.5.

Commands Changed The commands listed in the following table have been changed in Gentran:Server for iSeries Communications Module Release 3.5. If you have written programs using any of the commands listed in this table, verify that those command parameters are still valid and that all required parameters are still met.

Command	Parameter	Description
Command	Parameter	Description
ADD	RMCHAR	Added a parameter that allows you to enter up to 2 hex values to be removed from the data.
	HEX1	First hex value to be removed from the data.
	HEX2	Second hex value to be removed from the data.
	LOCK	Added a new parameter that will check for an object lock on the file that is to be added to the comm queue.
GIFSGATE	RMCHAR	Added a parameter that allows you to enter up to 2 hex values to be removed from the data.
	HEX1	First hex value to be removed from the data.
	HEX2	Second hex value to be removed from the data.
	SA	Added an Include SA status parameter that picks up outbound data with an 'SA' status when selected. The default is *NO.

PRGALL	DATE	Modified to allow *DATE, *DAYS, *ALL values. Removed *CURRENT option.
	XFROM	Added "from date" field when *DATE is selected for the DATE parameter.
	XTO	Added "to date" field when *DATE is selected for the DATE parameter.
PRGCHF	DATE	Removed *CURRENT option and added *DATE range selection.
	XFROM	Added "From Date" field when *DATE is selected for the DATE parameter.
	XTO	Added "To Date" field when *DATE is selected for the Date parameter.
PRGFILETRK	DATE	Removed *CURRENT option and added *DATE range selection.
	XFROM	Added "From Date" field when *DATE is selected for the DATE parameter.
	XTO	Added "To Date" field when *DATE is selected for the Date parameter.
PRGIBQ	DATE	Removed *CURRENT option and added *DATE range selection.
	XFROM	Added "From Date" field when *DATE is selected for the DATE parameter.
	XTO	Added "To Date" field when *DATE is selected for the DATE parameter.
PRGNET	DATE	Removed *CURRENT option and added *DATE range selection.
	XFROM	Added "From Date" field when *DATE is selected for the DATE parameter.
	XTO	Added "To Date" field when *DATE is selected for the DATE parameter.
PRGOBQ	DATE	Removed *CURRENT option and added *DATE range selection.
	XFROM	Added "From Date" field when *DATE is selected for the DATE parameter.
	XTO	Added "To Date" field when *DATE is selected for the DATE parameter.

PRGSCH	DATE	Removed *CURRENT option and added *DATE range selection.
	XFROM	Added "From Date" field when *DATE is selected for the DATE parameter.
	XTO	Added "To Date" field when *DATE is selected for the DATE parameter.

New Commands

The following commands were added to Gentran:Server for iSeries Communications Module Release 3.5.

Command	Description	Subsystem
RPLCHARS	Find and Replace Characters	PROCESS
SETCOMMSRT	Set W/W Communications Sort	SYSTEM

CL Program Changes

Introduction

Changes to CL programs are grouped into enhancements to make it easier to describe the changes. To identify the specific code that changed for impacts to your environment, you can use the command **RTVCLSRC** to obtain the new source for the Gentran:Server for iSeries Communications Module Release 3.5 version of these CL programs.

New Protocol Type 'AS2' Added to Comm Profile Setup

A new protocol type, AS2 was added for use when creating new communications profiles. This protocol can be used when communicating via AS2.

CL Name	Description
STRCOMCLV	Start Communications session CL Validity

Purge Programs to All Work Consistently

All of the purge programs have been modified to work consistently. They all now have *DATE (Enter a to and from date to purge), *DAYS(Days to retain on file), and *ALL.

CL Name	Description
PRGALLCL	Purge All Communication Files
PRGALLCL2	Purge All Communication Files
PRGCHFCL	Purge comm history file cmd
PRGCHFCLV	Purge comm history file cmd Validity Check
PRGCHFCL2	Purge comm history file cmd
PRGFILETRK	Purge Gentran File Tracking
PRGFILETRV	Purge Gentran File Tracking Validity
PRGFILETR2	Purge Gentran File Tracking
PRGIBQCL	Purge Inbound Queue File Submitter
PRGIBQCLV	Purge Inbound Queue File Validity
PRGIBQCL2	Purge Inbound Queue File
PRGNETCL	Purge Network Reconciliation File Submitter
PRGNETCLV	Purge Network Reconciliation File Validity
PRGNETCL2	Purge Network Reconciliation File
PRGOBQCL	Purge Outbound Queue File Submitter
PRGOBQCLV	Purge Outbound Queue File Validity
PRGOBQCL2	Purge Outbound Queue File

CL Name	Description
PRGSCHCL	Purge Job Schedule File
PRGSCHCLV	Purge Job Schedule File Validity
PRGSCHCL2	Purge Job Schedule File

Can now remove up to Two hex Characters on the Add and GIFSGATE Command

You can now enter up to two HEX characters to be removed from the data that is being added to the queue.

CL Name	Description
ADDCL	ADD CPP to Queue file to Inb/Out Queue
ADDCLV	ADD Validity Checker to Queue to In/Out que
GIFSGATE	Gentran IFS Gateway - CPP
GIFSGATEV	Gentran IFS Gateway - Validity Checker
GIFSGATE2	Gentran IFS Gateway - Main Loop
GIFSIN	Gentran IFS Gateway - Inbound Process
STCL067	ADD user file to INBOUND que/call EBDI067

The Add Command Object Lock on the File

You now have the ability to check for an object lock on the file that is being added to the communications queue.

CL Name	Description
ADDCL	ADD CPP to Queue file to Inb/Out Queue
ADDCLV	ADD Validity Checker to Queue to In/Out que
STCL060	ADD user file to OUTBOUND que/call EBDI060
STCL067	ADD user file to INBOUND que/call EBDI067

New OFT Protocol Added

A new protocol was added to perform communication over a TCP/IP connection with other devices that implement the ODETTE File Transfer Protocol. .

CL Name	Description
EDCL009	Start Communications Session Job Stream
EDCL009T	Start Communications Session Job Stream+Traces
EDCL009T1	Start ICF and Comm traces for EDCL009
EDCL009T2	End ICF and Comm traces for EDCL009

**New View for Comm.
Profile Screen**

The communications profile screen is now configurable and will only display those profiles that are selected for view..

CL Name	Description
ADDCLV	ADD Validity Checker to Queue to In/Out que
CHGDUPCL	Change the DUPLEX setting in the Line Description
CHGNRZICL	Change the NRZI setting in the Line Description
CHGNRZICLV	Change the NRZI setting in the Line Description
CHGPHNMCLV	Change The Controller Phone Number
CHGPHNUMCL	Change The Controller Phone Number
EDCL009	Start Communications Session Job Stream
EDCL009T	Start Communications Session Job Stream+Traces
EDCL012	Configurator
EDCL012ASC	Configurator for ASC Protocol / (ASYNC)
EDCL012L62	Configurator for LU62 Protocol
EDCL012XAS	Configurator for XAS Protocol / (ASYNC/X.25)
EDCL012X62	Configurator for X62 Protocol/ (LU62 VIA X.25
ENDCOMCL2	End Communications Session Job Stream
ENDCOMCL4	End Communications Session Job Stream
EXTRACTCLV	Extract data/call STCL063/STCL068 validity
SETCOMMSRT	CL Program For SETCOMMSRT
SETCOMMSRV	Validity Checker For SETCOMMSRT
SETCOMMSR1	CL to show current setting of Communications Sort

