

IBM Sterling Gentran:Realtime
for z/OS

Product Fix Instructions

Release 6.6



This edition applies to the 6.6 Version of IBM® Sterling Gentran:Realtime® for z/OS® and to all subsequent releases and modifications until otherwise indicated in new editions.

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

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Applying Product Fixes to Sterling Gentran:Realtime

Introduction

IBM® Sterling Gentran:Realtime® for z/OS® product fixes can be ordered on CD-ROM, or they are available 24/7 on the Internet from the IBM® Sterling Customer Center Web site at: <http://customer.sterlingcommerce.com>.

In addition to the executable load modules for modified batch and online programs, the fix file contains current Error Message and Help files, modified Utility Source programs and JCL members, along with a Readme that describes the fixes that are included.

This document provides step-by-step instructions to install the fixes, including the Error Message, Help, Utility Source, and Readme files.

Note: The new Point Release feature, which displays the current maintenance level on the EDIM000 Logon screen, uses CICS modules included with this fix. We recommend that you ALWAYS install Batch and CICS fixes at the same time, as instructed. If you do not, the Point Release displayed on your system may be inaccurate.

Procedure

Note: If you are installing fixes using the Sterling Gentran:Realtime product fix CD, perform **Step 1a**.

If you downloaded fixes from the Internet, perform **Step 1b**.

Step 1a Transfer files from the product fix CD-ROM to your PC.

Check the box next to each task as you complete it.

- Insert the Sterling Gentran:Realtime product fix CD-ROM into your computer's CD-ROM drive and navigate to locate the file named **Realtime_6.6.??_Fix.exe** (where ?? represents the Point Release Number). This is a self-extracting .zip file that contains all of the Sterling Gentran:Realtime product fixes.
- Double-click the file name to begin extracting the files onto the local hard disk on your PC. A system message prompts you with a default folder name to which the system will save the files it extracts. If you want to select a different location, change the default folder name to your desired location in this system message.
- At the completion of the process, note the file location. The folder should contain the following files:

| File | Description |
|----------------------------|--|
| PCRTEFIX | The Sterling Gentran:Realtime product fixes |
| PCRTEFX1.TXT | The JCL to allocate the target product fix file |
| PCRTEFX2.TXT | The JCL to build the sequential product fix files |
| Realtime_6.6.??_Readme.txt | Description of fixes for this Point Release Number |

Completed by: _____

Date: _____ **Time:** _____

Step 1b Download product fixes from the Internet.

Check the box next to each task as you complete it.

- Download the appropriate fix file from the Sterling Customer Center Web site (<http://customer.sterlingcommerce.com>) and save it to your PC.
- Locate the file **Realtime_6.6.??_Fix_SOD.zip** (where ?? represents the Point Release Number) on your PC. This is the file you downloaded from the Internet.
- Decompress **Realtime_6.6.??_Fix_SOD.zip**. This creates file **Realtime_6.6.??_Fix.exe**, which is a self-extracting .zip file that contains all of the Sterling Gentran:Realtime product fixes.
- Double-click the file name to extract the files onto the local hard disk on your PC. A system message prompts you with a default folder name to which the system will save the files it extracts. If you want to select a different location, change the default folder name to your desired location in this system message.
- At the completion of the process, note the file location. The folder should contain the following files:

| File | Description |
|----------------------------|---|
| PCRTEFIX | The Sterling Gentran:Realtime product fixes |
| PCRTEFX1.TXT | The JCL to allocate the target product fix file |
| PCRTEFX2.TXT | The JCL to build the sequential product fix files |
| Realtime_6.6.??_Readme.txt | Description of fixes for this Point Release |

Completed by: _____

Date: _____ **Time:** _____

Step 2 Upload the product fix JCL files to your mainframe.

You must upload the JCL needed to build the sequential product fix files on your mainframe.

Check the box next to each task as you complete it.

- Perform the upload manually from your PC, using FTP configured in ASCII data transfer mode. The files to be uploaded are:

| File | Description |
|--------------|---|
| PCRTEFX1.TXT | The JCL to allocate the target product fix file |
| PCRTEFX2.TXT | The JCL to build the sequential product fix files |

- Choose target file names that are appropriate for your installation requirements.

Completed by: _____

Date: _____ **Time:** _____

Step 3 Allocate the target product fix file on your mainframe.

Before you can upload the Sterling Gentran:Realtime product fix file to your mainframe, the target file must be pre-allocated by this step.

Check the box next to each task as you complete it.

- Customize JCL member **PCRTEFX1** that you uploaded in **Step 2**.
- Change the data set names as required by your installation. Change only the first two index levels (**GENTRAN.V6X6**).
- Read the comments within the JCL and follow any additional instructions.
- Submit the job and verify the job results. You should never receive a return code greater than **0**.

Completed by: _____

Date: _____ **Time:** _____

Step 4 Upload the Sterling Gentran:Realtime product fix file from your PC to your mainframe.

Check the box next to each task as you complete it.

- Perform the upload manually from your PC using FTP configured in BINARY data transfer mode. The target file on the mainframe must be the file that you allocated in the previous step (**GENTRAN.V6X6.RTE.UPLOAD.PCFIX**). The file to be uploaded is:

| File | Description |
|----------|---|
| PCRTEFIX | The Sterling Gentran:Realtime product fixes |

- At the completion of the upload, verify the integrity of the file on the Mainframe by looking for the following:
 - Column 2 of the first record in the file should begin with the value **\INMR01**.
 - The number of bytes transferred should match the size of the source file.

Note: If neither of these is true, or the entire file is unreadable, verify that your FTP session was configured in BINARY data transfer mode. Using an incorrect transfer configuration is the most common cause of upload problems.

- If the file is not acceptable, perform the upload process again and verify the integrity of the uploaded file again until it is acceptable.

Completed by: _____

Date: _____ **Time:** _____

Step 5 Build the sequential Sterling Gentran:Realtime files on your mainframe.

This step reads the Sterling Gentran:Realtime product fix file that you uploaded in **Step 4** and extracts the files needed to complete the installation of the fixes on your mainframe.

The following table lists the data sets that will be extracted.

| Data Set Name | Description |
|-------------------------------------|--|
| GENTRAN.V6X6.RTE.BATCH.LOAD.FIX | Partitioned data set that contains all of the batch program load modules that have been changed. |
| GENTRAN.V6X6.RTE.CICS.LOAD.FIX | Partitioned data set that contains all of the CICS program load modules that have been changed. |
| GENTRAN.V6X6.SEQ.ERRCTL | Sequential data containing the content of the Error Message and Control file. |
| GENTRAN.V6X6.RTE.JCL.FIX | Partitioned data set that contains all of the execution JCL members that have been changed. |
| GENTRAN.V6X6.RTE.README | Sequential data set containing information about product fixes. |
| GENTRAN.V6X6.RTE.UTILITY.SOURCE.FIX | Partitioned data set that contains source code of all the utility programs that have been changed. |
| GENTRAN.V6X6.SEQ.EDI.EDIHELP | Sequential data set containing the content of the Help file. |

Check the box next to each task as you complete it.

- Customize JCL member **PCRTEFX2** that you uploaded in **Step 2**.
- Change the data set names as required by your installation. Change only the first two index levels (**GENTRAN.V6X6**). If you are installing Sterling Gentran:Realtime, it is important that you use the same high-level qualifier that was used in the installation process.
- Read the comments within the JCL and follow any additional instructions.
- Submit the job and verify the job results. You should never receive a return code greater than **0**.

Completed by: _____

Date: _____ Time: _____

Step 6 Merge fix files with existing files.

Important: This section provides a recommend method to merge fixed modules and members with the originals. This section is based on the assumption that you have followed recommendations to change only the first two index levels of each data set name (GENTRAN.V6X6) during installation. If you maintain your load modules using different naming conventions, you should adjust these steps to meet your needs.

Check the box next to each task as you complete it.

- Copy members (with Replace) from the .FIX libraries to the corresponding original libraries. Make backup copies of the original libraries first, in the event that you need to reverse the changes.

| Fix Library | Original Library |
|-------------------------------------|---------------------------------------|
| GENTRAN.V6X6.RTE.BATCH.LOAD.FIX | GENTRAN.V6X6.RTE.BATCH.LOAD |
| GENTRAN.V6X6.RTE.CICS.LOAD.FIX | GENTRAN.V6X6.RTE.CICS.LOAD (see note) |
| GENTRAN.V6X6.RTE.JCL.FIX | GENTRAN.V6X6.RTE.JCL |
| GENTRAN.V6X6.RTE.UTILITY.SOURCE.FIX | GENTRAN.V6X6.RTE.UTILITY.SOURCE |

Note: Verify that member names in the Original CICS library begin with the characters 'EDI' before copying.

If you are installing Sterling Gentran:Realtime, the fix process is complete. Return to the next step in the *IBM® Sterling Gentran:Realtime® for z/OS® Release 6.6 Installation Guide*.

If you are applying maintenance to an existing system, continue with the next step in this document.

Completed by: _____

Date: _____ **Time:** _____

Step 7 Rename IBM® Sterling Gentran:Basic® for z/OS® CICS Load modules for Program Image. Skip this step if you are performing a Sterling Gentran:Realtime Installation.
(Optional)

If you have both Sterling Gentran:Basic and Sterling Gentran:Realtime installed, this step is performed when you separately apply Sterling Gentran:Basic fixes; skip to the next step.

If you have Sterling Gentran:Realtime installed without Sterling Gentran:Basic, continue reading to determine if you need to perform this step.

Skip this step if you are performing a Sterling Gentran:Realtime Installation
OR

Skip this step if your Program Image (PIM) is 'EDI.'

Check the box next to each task as you complete it.

- Customize JCL member **BSCNAME**.
- Change the data set names by your installation. Change only the first two index levels (**GENTRAN.V6X6**).
- Globally change the value PIM to the three-character Program Image that you use for your existing system.
- Change **LOADIN DD** to reflect the merged CICS data set created in Step 6 **GENTRAN.V6X6.RTE.CICS.LOAD**.
- Remove the **SELECT** statements for members **EDIBCTL**, **EDIBDBIA**, **EDIBDBIE**, **EDIBDBOA**, and **EDIBDBOE** from the **SYSIN DD** statement in the step that executes program IEBCOPY. These Sterling Gentran:Basic programs are not required for Sterling Gentran:Realtime.
- Read the comments within the JCL and follow any additional instructions.
- Submit the job and verify the job results. You should never receive a return code greater than 0, except for the delete step, which will end with a return code of 8 if the dataset did not previously exist.
- Confirm that the CICS modules in the **LOADIN** dataset are represented in the **LOADOUT** dataset.

Completed by: _____

Date: _____ Time: _____

Step 8
(Optional)

Rename CICS Load modules for Program Image.
Skip this step if you are performing a Sterling Gentran:Realtime Installation.

OR

Skip this step if your Program Image (PIM) is 'EDI.'

Check the box next to each task as you complete it.

- Customize JCL member **RTENAME**.
- Change the data set names by your installation. Change only the first two index levels (**GENTRAN.V6X6**).
- Globally change the value PIM to the three-character Program Image that you use for your existing system.
- Read the comments within the JCL and follow any additional instructions
- Submit the job and verify the job results. You should never receive a return code greater than 0, except for the delete step, which will end with a return code of 8 if the dataset did not previously exist.
- Confirm that the CICS modules in the **LOADIN** dataset are represented in the **LOADOUT** dataset.

Completed by: _____

Date: _____ **Time:** _____

Step 9 Update the Error Message and Control file.

(Optional) Skip this step if you are performing a Sterling Gentran:Realtime installation.

Note: Refer to the README file extracted in **Step 5** to determine whether any fixes are available for the Error Message and Control File that you do not currently have on your system. If your system is current, skip this step.

Check the box next to each task as you complete it.

- Customize JCL member **UPDTMSG**.
- Change the data set names as required by your installation. Change only the first two index levels (**GENTRAN.V6X6**).
- Read the comments within the JCL and follow any additional instructions.
- If your Sterling Gentran:Realtime CICS region is active, you must close and disable the **SIMERRC** file before submitting this job.

Note: Replace **SIM** in the file name with your system image characters.

- Submit the job and verify the job results. You should never receive a return code greater than **0**.
- If you closed and disabled the **SIMERRC** file before submitting the job, open and enable it.

Completed by: _____

Date: _____ **Time:** _____

Step 10 Update the **EDIHELP** file.

(Optional) Skip this step if you are performing a Sterling Gentran:Realtime installation.

Note: Refer to the README file extracted in **Step 5** to determine whether any fixes are available for the **EDIHELP** file that you do not currently have on your system. If your system is current, skip this step.

Check the box next to each task as you complete it.

- Customize JCL member **DEFHELP**.
- Change the data set names as required by your installation. Change only the first two index levels (**GENTRAN.V6X6**).
- Read the comments within the JCL and follow any additional instructions.
- If your Sterling Gentran:Realtime CICS region is active, you must close and disable the **SIMHELP** file before submitting this job.

Note: Replace **SIM** in the file name with your system image characters.

- Submit the job and verify the job results. You should never receive a return code greater than **0**.
- If you closed and disabled the **SIMHELP** file before submitting the job, open and enable it.

Completed by: _____

Date: _____ **Time:** _____

You have now completed the procedure to unload the Sterling Gentran:Realtime Product Fixes.

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