



Infor XA R9.2.1.2 Service Pack Apply Instructions

SH16166

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Apply Instructions for Infor XA R9.2 Service Pack

The instructions in this document explain how to apply Infor XA release 9.2 Service Pack SH16166. This document will be updated periodically, be sure you have the latest version of these instructions before proceeding.

An XA environment must be at PTF level 22032 before updating it with Service Pack SH16166. You must apply the steps in this document in order:

- Service Pack for Infor XA R9.2 SH16166 – available on the [Software Download Center](#)
This Service Pack will update the server for XA business environments to PTF level 22450.
- On the Infor ERP XA R9.2 product information page of the Software Download Center, locate the Service Pack in the list:

SBCS

**R9.2.1.2 Service Pack for Infor XA SBCS SH16166 PTF 22450 Objects only - Upgrades
R9.2 EP 1 to R9.2 EP1,SP2**

DBCS

**R9.2.1.2 Service Pack for Infor XA DBCS SH16166 PTF 22450 Objects only - Upgrades
R9.2 EP 1 to R9.2 EP1,SP2**

See the [Service Pack apply instructions](#) for detailed apply instructions.

What you should know

Consider this information as part of your planning for the Service Pack:

- Infor XA Environment Availability
 - Dedicated mode is **NOT** required to update the Common libraries (AMCESLIB and AMCESSQL) when this service pack is applied to these libraries using the CESPKGAPPLY command.
 - Dedicated mode **IS** required to update the libraries for an environment (AMALIB, AMFLIB, AMTLIB, AMXLIB) when this service pack is applied to an environment using the ENVPKGAPPLY command.

This Service Pack has these 2 volumes:

- SH16166
 - Contains the accumulation of PTFs which update the common and environment libraries.
 - Available to all customers who have a license for Infor XA
- SH16167
 - Contains the source for the modified objects delivered with this Service Pack
 - Available only to those customers who have a license for Infor XA source code

See [Infor XA Source Code Availability \(SH15623\)](#) for more information about the availability of source code.

- XA Migration Tool

Currently, the Migration Tool SH16110 is **NOT** compatible with this Service Pack level.

- XA Translation Requirements

Translated environments require translation updates for this Service Pack; refer to [SH94330](#) for the availability of translation updates for this Service Pack for all languages installed in the environment. Applying the Service Pack to a translated environment without the translation updates may cause significant issues in the operation of XA. If there is not a corresponding translation update for this Service Pack, then do not apply this Service Pack.

If there is a corresponding translation update for this Service Pack, then download and apply it after applying this Service Pack.

- PTF level of delivered objects

After this Service Pack has been applied to your environments, some objects may show a PTF number that is higher than the PTF level of this Service Pack. There may have been PTFs (which have a higher PTF level) included that were found to be needed to apply the Service Pack correctly.

- PTFs may be reapplied

Some PTFs may be reapplied because the PTF may have been updated since it was first shipped. The reapply of the PTF will make sure that you have the latest level of objects.

- Operating System levels

Refer to the Infor XA IDF Technical Planning Guide (SH14412) for information on the IBM i or Windows OS levels.

Using downloaded media

The Software Download Center site provides electronic disc images you can use to install or update Infor XA. Using publicly available software, you can burn the images to create install discs, or you can transfer the images to a computer and mount them as a virtual device. For information about how to use disc images, see [Using ISO CD Images](#) section on the Software Download Center.

You may want to consider using a download utility to reduce download times. One such tool is Download Manager (www.freedomdownloadmanager.org).

This document contains instructions for using ISO images on the System i and information about tools you can use on a Windows PC.

System i

These four steps explain how to load the release 9.2 Infor XA Service Pack - SH16166 as virtual media on your System i, transfer the media data to the virtual image catalog, and use the virtual image:

- Step 1: Create the virtual device and catalog.
- Step 2: Copy the virtual images to the image catalog directory.
- Step 3: Add the virtual image to the image catalog.
- Step 4: Load the virtual images.

Step 1: Create the virtual device and catalog.

- 1 Create a virtual device description, if it does not already exist.

```
CRTDEVOPT DEVD(OPTVRT01) RSRCNAME(*VRT)
```

Note: A virtual device can be recognized by its device type 632B.

- 2 Vary on the device description, if necessary.

```
VRYCFG CFGOBJ(OPTVRT01) CFGTYPE(*DEV) STATUS(*ON)
```

- 3 Create an image catalog and an IFS directory to store the images, if they do not already exist.

```
CRTIMGCLG IMGCLG(PCMS) DIR('/PCMimages') CRTDIR(*YES)
```

Note: If you already have an IFS directory where you will be storing the images, but want to create an image catalog using that directory, then use CRTDIR(*NO).

Step 2: Copy the virtual images to the image catalog directory.

After downloading the .iso image file from the Software Download Center, right click to rename the iso image as necessary to 'SH16166' without the '.iso' extension. Transfer it to the IFS folder where you have the image catalog entries stored. You can use Windows Explorer, iSeries Navigator, or ftp.

Example: This example assumes that the R9.2 Service Pack .iso image file have been downloaded on your local C:\ drive, and you want to transfer them to MYSYSTEMI, image catalog PCMS, IFS folder /PCMimages.

Using ftp from a command prompt, the prompt would look like this for customers:

```

- ftp mysystem.mydomain.com      (You must log on)
- quote site namefmt 1
- bin
- cd /PCMimages
- lcd c:\ 
- put SH16166
- quit

```

Step 3: Add the virtual image to the image catalog.

After copying the .iso image files into the IFS directory, add the files to the image catalog:

```

ADDIMGCLGE  IMGCLG (PCMS)
  FROMFILE ('/PCMimages/SH16166')
  TOFILE (*FROMFILE)

```

Step 4: Load the virtual images.

To use the virtual images, you need to mount each one as needed in the catalog and load the catalog in a virtual optical device.

1 Work with the image catalog.

```
WRKIMGCLG  IMGCLG (PCMS)
```

2 Use option 12 (Work with Entries), then use options 6 (Mount) for the SH16166 entry.

Caution: DO NOT USE option 4 (Remove) unless you want to delete the catalog entry and the associated image.

3 Load the Service Pack image into the virtual optical drive.

```
LODIMGCLG  IMGCLG (PCMS)  DEV (OPTVRT01)  OPTION (*LOAD)
```

Note: Alternatively, you can use WRKIMGCLG, specify option 8 (Load), and then enter the virtual optical device name.

4 Load the Service Pack image into QGPL

```
LODRUN  DEV (OPTVRT01)  DIR ('/')
```

Service Pack apply instructions

These instructions for applying Service Pack SH16166 have three steps. **These steps must be performed in this order:**

- Step 1: Apply pre-requisite PTFs
- Step 2: Apply the R9.2 Service Pack (SH16166)
- Step 3: Apply post-requisite PTFs

Step 1: Apply pre-requisite PTFs

- Download and apply this PTF:

SH number	PTF number	Description of PTF
SH16159	22032	R9.2.1.1 Service Pack

Step 2: Apply the R9.2 Service Pack (SH16166)

Note:

- SH16166 does not require dedicated mode to apply objects to the Common Libraries. SH16166 does require dedicated mode to apply objects to the Environment Libraries.
- This Service Pack will update objects in the common and environment libraries. The command to update the environment libraries needs to be run for each of the shared environments
- The user profile being used must have the special authorities *ALLOBJ, *SECADM, and *JOBCTL

- 1 Create a test library: "CRTLlib TEST".
- 2 Sign on to Infor XA, menu AMZM00.
- 3 Select option 3 (Maintenance Change).
- 4 On menu AMZM30, select option 5 (Application Maintenance).
- 5 On menu AMZM35, select option 9 (Apply ECS PTF to Test Library).

At display AMZPCEA: ECS PTF NUMBER SH16166

SAVED LIBRARY NAME *DFT

LIBRARY CONTAINING PTF . . . QGPL

TEST LIBRARY TEST

- 6 Specify this information on the XA menu command line to print a listing of PTFs contained in this download:

ADDLIB TEST

SHPKGLIST

Note: You must be authorized to issue commands from the IDF menu command line, via Security Maintenance.

- 7 Specify this information on the XA menu command line to apply the Service Pack for the Common Libraries

ADDLIBLE TEST

CESPKGAPLY

- 8 Specify this information on the XA menu command line to apply the Service Pack for the Environment Libraries

ADDLIBLE TEST

ENVPKGAPLY

- 9 Rename the test library for future investigation if needed (it contains the job logs of the apply) :

RMVLIBLE LIB(TEST)

RNMOBJ OBJ(TEST) OBJTYPE(*LIB) NEWOBJ(TSTSH16166)

CHGLIB LIB(TSTSH16166) TEXT('SH16166 Test Library')

- 10 Sign out of Infor XA and the iSeries session.

Step 3: Apply post-requisite PTFs

- Download and apply these PTFs:

SH number	PTF number	Description of PTF
SH66166	22514	To correct public authority on AXKETA0C to *USE from *EXCLUDE.

Note: To apply the PTFs, see the instructions in the cover letter for the PTFs.

It is highly recommended that you use Product Updates to view PTFs that were released after the Service Pack level just installed. Other critical PTFs may need to be applied. Review the PTFs and apply as needed. If you are new to Product Updates, then refer to [SH15513](#) and [SH15710](#).