



# Infor XA R9.2.1.1 Service Pack Apply Instructions

SH16159

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# Contents

- Apply Instructions for Infor XA R9.2 Service Pack ..... 4**
- What you should know ..... 4
- Using downloaded media ..... 6
- System i ..... 6
- Step 1: Create the virtual device and catalog. .... 6
- Step 2: Copy the virtual images to the image catalog directory. .... 7
- Step 3: Add the virtual image to the image catalog. .... 7
- Step 4: Load the virtual images..... 7
- Service Pack apply instructions ..... 8
- Step 1: Apply pre-requisite PTFs ..... 8
- Step 2: Apply the R9.2 Service Pack (SH16159)..... 8
- Step 3: Apply post-requisite PTFs..... 9

# 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 SH16159. 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 21312 before updating it with Service Pack SH16159. You must apply the steps in this document in order:

- Service Pack for Infor XA R9.2 SH16159 – available on the [Software Download Center](#)  
This Service Pack will update the server for XA business environments to PTF level 22032.
- On the Infor ERP XA R9.2 product information page of the Software Download Center, locate the Service Pack in the list:

## **R9.2.1.1 Service Pack for Infor XA SBCS SH16159 PTF 22032 Objects only - Upgrades R9.2 EP 1 to SP 1.1.1**

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 CESPCKGAPLY command.
  - Dedicated mode **MAY BE** required to update the libraries for an environment (AMALIB, AMFLIB, AMTLIB, AMXLIB) when this service pack is applied an environment using the ENVPCKGAPLY command depending on the PTFs that have been previously applied to the environment. If the following SBCS and DBCS PTFs have been applied to the environment then dedicated mode is not required:

<b>SBCS</b>	<b>DBCS</b>
SH60005	SH60005
SH62210	SH62210
SH62992	SH62992
SH63516	SH63516

<b>SBCS</b>	<b>DBCS</b>
SH63706	SH63706
SH64230	SH64230
	SH57694
	SH58612
	SH63143
	SH63656
	SH63656

- This Service Pack has these 2 volumes:
  - SH16159
    - Contains the accumulation of PTFs which update the command and environment libraries.
    - Available to all customers who have a license for Infor XA
  - SH16161
    - 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.freedownloadmanager.org](http://www.freedownloadmanager.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 - SH16159 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) RSRCTYPE(*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 files from the Software Download Center, transfer them to the IFS folder where you have the image catalog entries stored. You can use Windows Explorer, iSeries Navigator, or ftp. Rename the iso images as necessary to 'SH16159' without the '.iso' extension.

**Example:** This example assumes that the R9.2 Service Pack .iso image files 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 SBCS customers:

```
- ftp mysystemi.mydomain.com    (You must log on)
- quote site namefmt 1
- bin
- cd /PCMimages
- lcd c:\
- put XA92_ServerPCM_SBCS_PTF22032_SH16159OBJ_20180719A_Vol1_of_1.iso SH16159
- quit
```

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

```
- ftp mysystemi.mydomain.com    (You must log on)
- quote site namefmt 1
- bin
- cd /PCMimages
- lcd c:\
- put XA92_ServerPCM_DBCS_PTF22032_SH16159OBJ_20180719A_Vol1_of_1.iso SH16159
- 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/SH16159')

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 SH16159 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 are for applying Service Pack SH16159 has two steps. **These steps must be performed in this order:**

- [Step 1: Apply pre-requisite PTFs](#)
- [Step 2: Apply the R9.2 Service Pack \(SH16159\)](#)
- [Step 3: Apply post-requisite PTFs](#)

### Step 1: Apply pre-requisite PTFs

- Download and apply this PTF:

SH number	PTF number	Description of PTF
SH64672	22067	Issue with closing the CTL* files

### Step 2: Apply the R9.2 Service Pack (SH16159)

**Note:**

- SH16159 does not require dedicated mode to apply objects in the Common Libraries. SH16159 may require dedicated mode for the apply to the Environment libraries depending on the PTFs being installed.
- 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: "CRTLIB 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 . . . . . SH16159
                   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:

```
ADDLIBLE 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(TSTSH16159)
CHGLIB LIB(TSTSH16159) TEXT('SH16159 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
SH64618	22055	Issue with object authorities
SH64690	22072	Issue with apply of SLRTRN
SH65255	22274	Posting Transaction sets Apply tax to transaction

**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](#).