

z/OSMF Software Update



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Welcome to z/OSMF Software Update.

Welcome

- Welcome to the z/OSMF training.
- Broadcom is more committed than ever to the Software Management experience and assisting clients to simplify the transition to z/OSMF.
- This course was designed to assist sites manage their software with z/OSMF.
- This session is about using z/OSMF Software Update to install maintenance.



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Broadcom is committed to assisting clients to simplify their transition to z/OSMF Software Management of their mainframe software products. This is one of several courses to help clients install and maintain their software products using z/OSMF.

Course Objectives

After this course, you will be able to:

- Understand the different types of z/OSMF software updates.
- Be able use z/OSMF to install maintenance.
- Be able to review completed software updates.



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This course will cover the three types of maintenance that can be applied with z/OSMF Software Update.

z/OSMF Software Update Summary

- Software Update installs RECEIVED maintenance
- Types of Software updates
- Viewing completed software

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This session will cover using z/OSMF Software Update to install maintenance.

All maintenance must be SMP/E RECEIVED before using Software Update.

We will review the three different types of software updates that can be done.

Lastly we will review how the Software Update can be used to review completed software updates.

Software Update installs RECEIVED maintenance

You can only apply maintenance for SYSMODs that are already received in the GLOBAL zone of the CSI.

- Recommend using SMP/E Receive Order
- Optionally perform these tasks manually from Broadcom Support

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We recommend that you do so on a daily or weekly basis and that you automate this process using SMP/E Receive Order (see [Configure SMP/E Internet Service Retrieval](#)).

You can download APARs/PTFs from the Broadcom Support portal in a cart zip file and then use the CAUNZIP utility to unzip and then run a SMP/E RECEIVE.

z/OSMF Types of Software Updates

Three Types of Software updates:

- **Corrective updates**
Install specific APAR/PTF name(S).
- **Recommended updates**
Install APARs/PTFs based on Vendor defined source IDs which identify recommended updates: CAR*, HIPER, PRP, RSL*, RSU*, SECINT
- **Functional updates**
Install APARs/PTFs based on Vendor defined functional update source IDs. For example ACF2 functional source IDs:
CA.TargetSystem-RequiredService.*product.version*,
CA.Product.RequiredService.*product.version* or
CA.Function.*function.description*

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- **Corrective updates**
Specify each by APAR/PTF name (ID, 7 alphanumeric characters) separated by comma, space or semicolon. Optionally specify an Upload List text file that lists multiple update names.
- **Recommended updates**
Install software updates that are recommended by the software vendor based on Vendor defined source ID to identify recommended updates: CAR*, HIPER, PRP, RSL*, RSU*, SECINT
- **Functional updates**
Install functional software updates to support new hardware, software, or function based on product specific fix categories based on source ID that are associated with available functional.
CA.Function.SCRT.Reporting
CA.Product.RequiredService.CA-Trusted.Access.Manager.V1R1
CA.TargetSystem-RequiredService.z/OS.V2R5
CA.TargetSystem-RequiredService.z/OSMF.V2R5
CA.TargetSystem-RequiredService.CICS.V6R1
CA.TargetSystem-RequiredService.IBM.Multi-FactorAuth.V1R1
CA.TargetSystem-RequiredService.JES3plus.V1R2

Viewing completed software

The Update Completed Updates window:

- Lists all software update processes that are completed or canceled
- View details about all completed or canceled updates
- Download outputs that were generated during the update process

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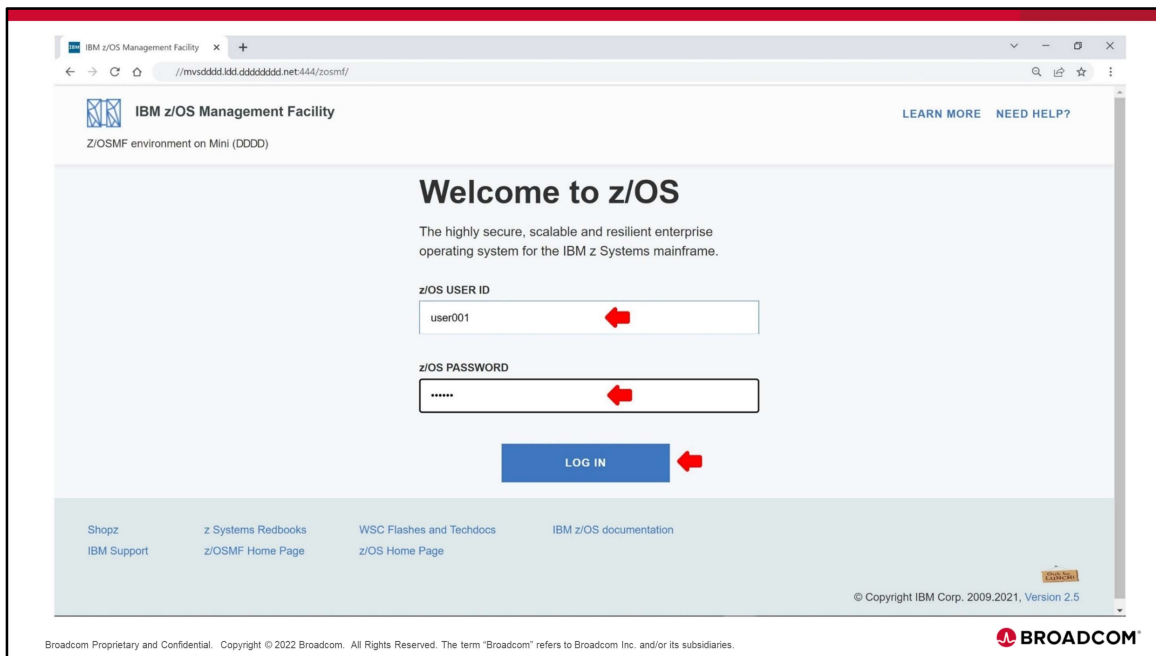


Use the Completed Updates window to view details about all completed or canceled software update processes.

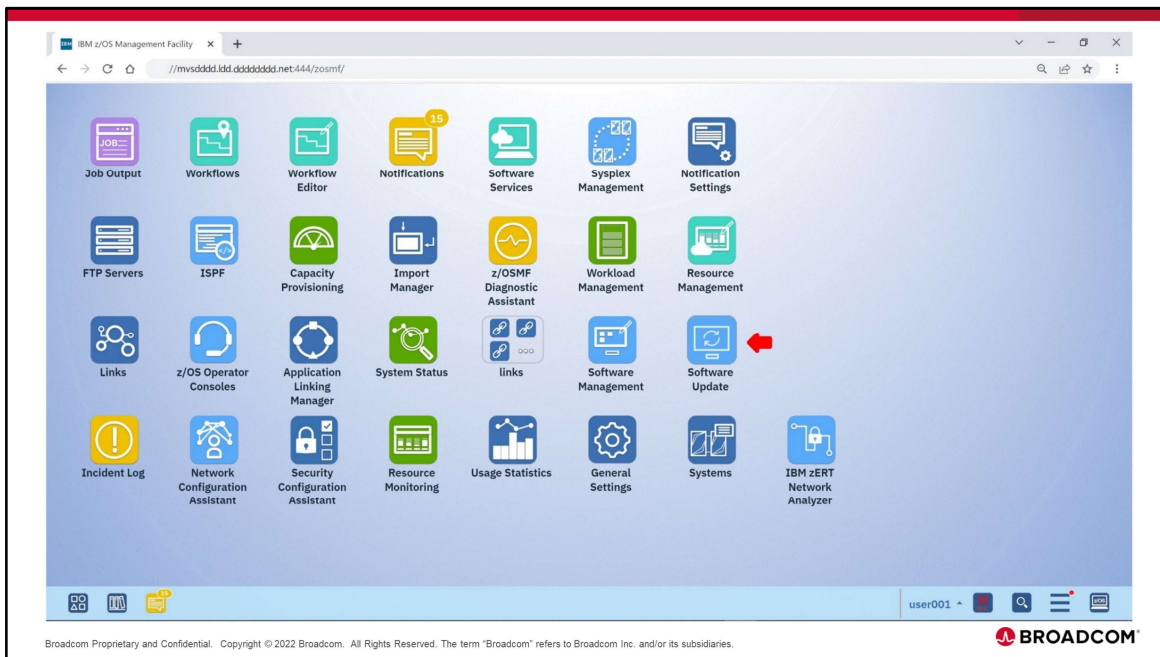
The Completed Updates window lists all software update processes that are completed or canceled.

Completed Updates will show the type of updates that were selected for installation, Corrective updates, Functional updates or Recommended.

In addition to viewing the details about a completed or canceled update process, you can also download outputs that were generated during the update process.



Log in to your instance of z/OSMF



Double Click the Software Update icon on the desktop.

z/OSMF Software Update

Install Corrective

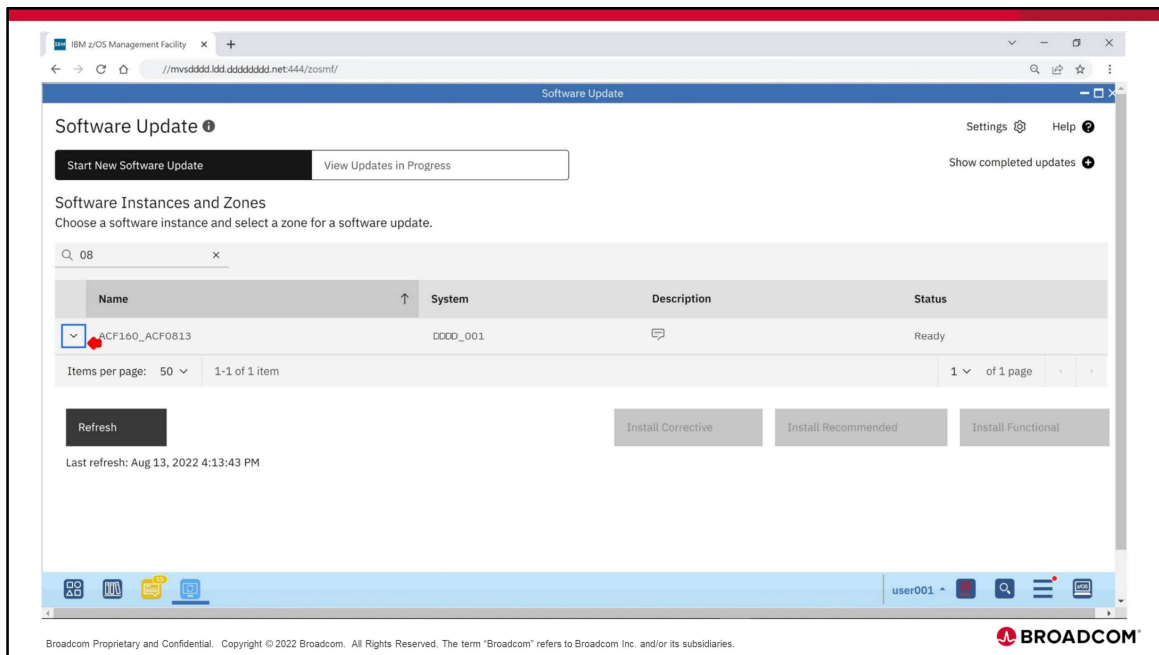
Install Recommended

Install Functional

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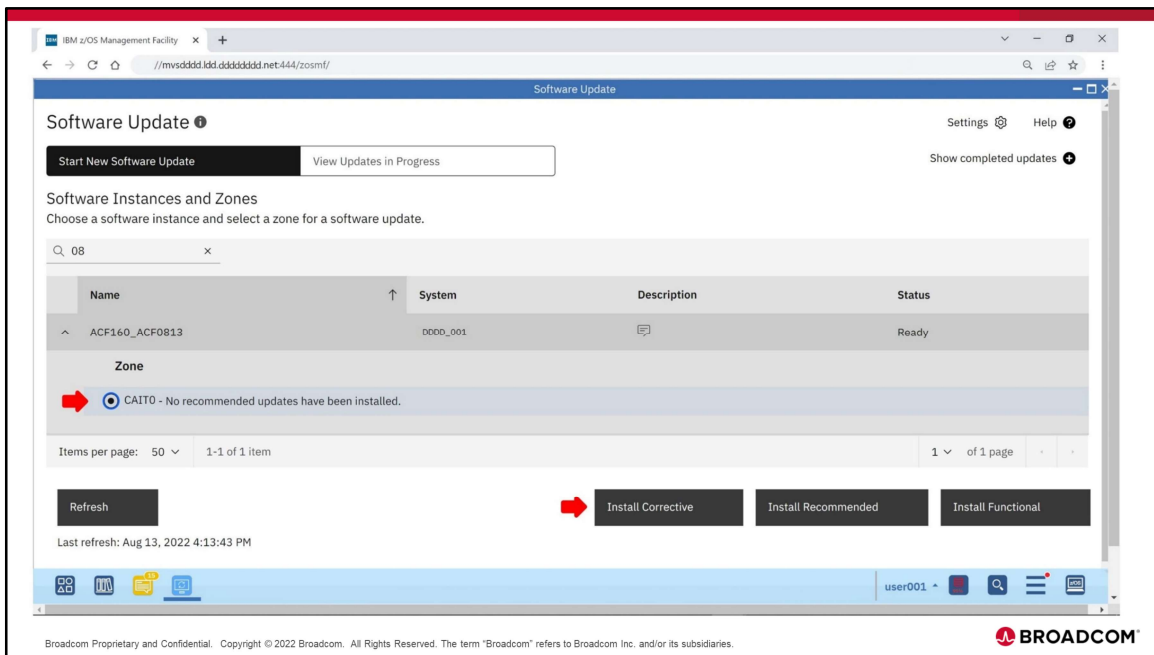


Install Corrective will install corrective software updates to fix a problem. In this situation, you already identified the individual updates that you must install to fix the particular problem, so you specify each by APAR/PTF name (ID, 7 alphanumeric characters) separated by comma, space or semicolon. Optionally specify an Upload List text file that lists multiple update names, the text file list of names are separated by commas, spaces, or semicolons, and that the file is no larger than 500KB.

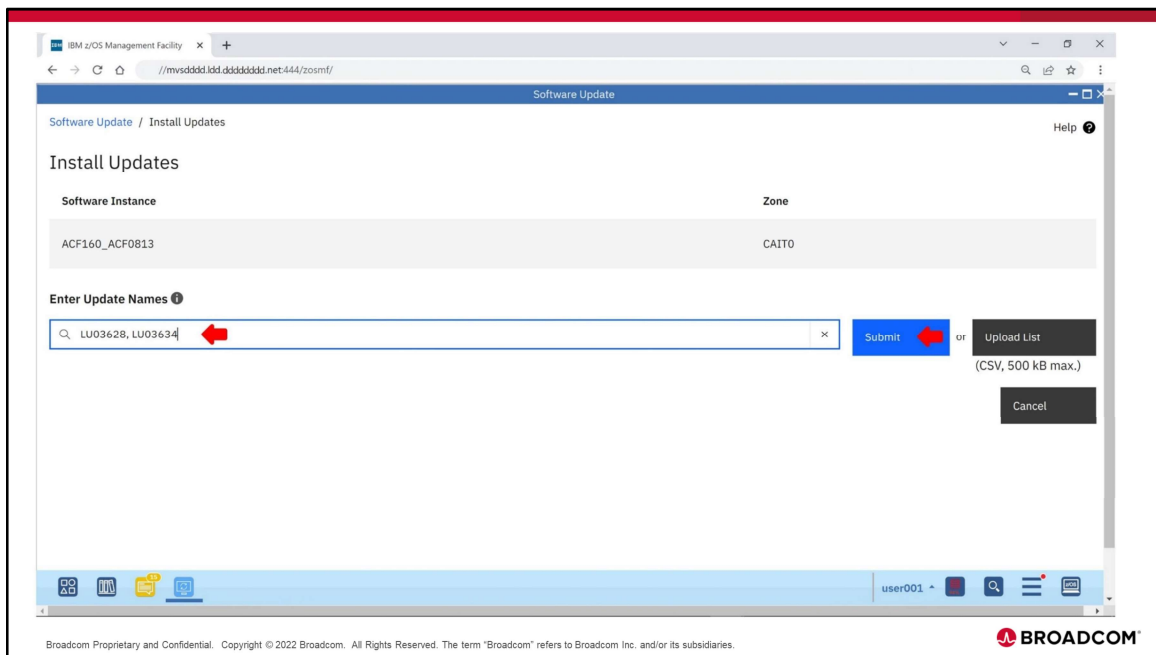


Install Corrective

Find the Software Instance that you want to perform a software update and click on the down arrow.



Check the target Zone and then select one of the three install options available: Install Corrective, Install Recommended and Install Functional are available. In this example 'Install Corrective' is selected.



In the **Enter Update Names** field, enter the full name of the update, for example RO12345, that you want to install.

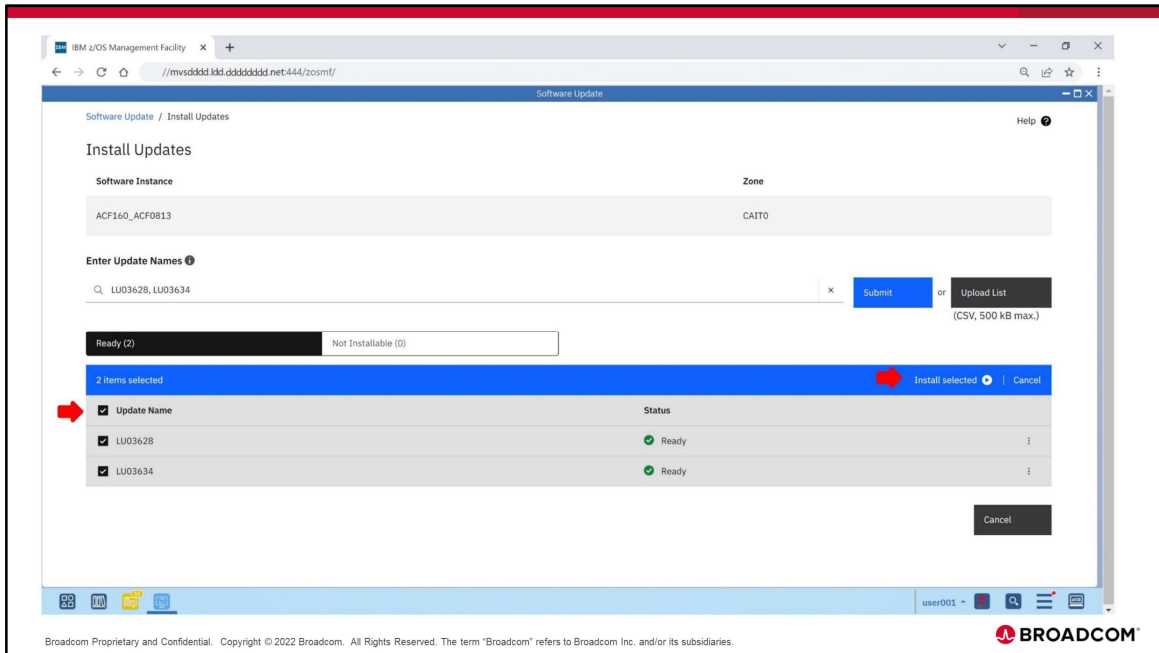
Note: To install more than one update, enter all the names and separate them with commas, spaces, or semicolons.

When you are done entering names, press **Submit**.

Upload list

To use a text file that lists multiple update names, click **Upload list**.

Important: Ensure that the update names in the file are separated by commas, spaces, or semicolons, and that the file is no larger than 500KB.



Check the 'Update Name' box to select all PTFs to install then click on 'Install selected'.

Note if you get:

IZUDXAPL rexx exec did not start processing correctly.

IKJ56423I REGION SIZE 0050000 EXCEEDS LIMIT SIZE 0004096

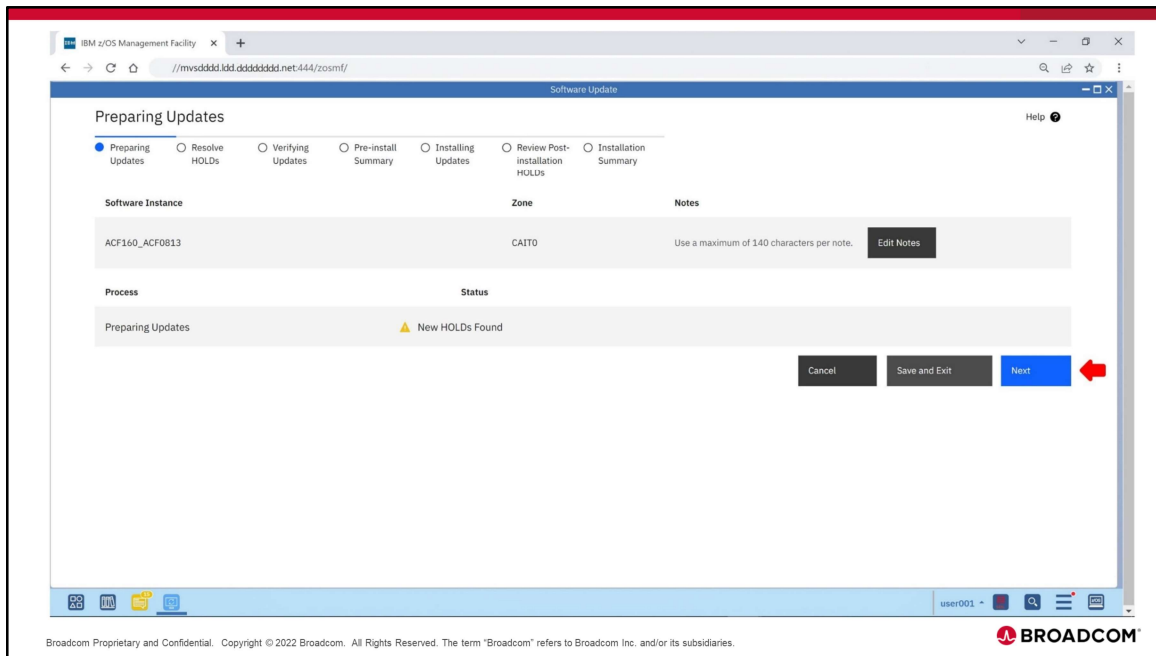
IKJ56429A REENTER -

IKJ56700A ENTER REGION SIZE -

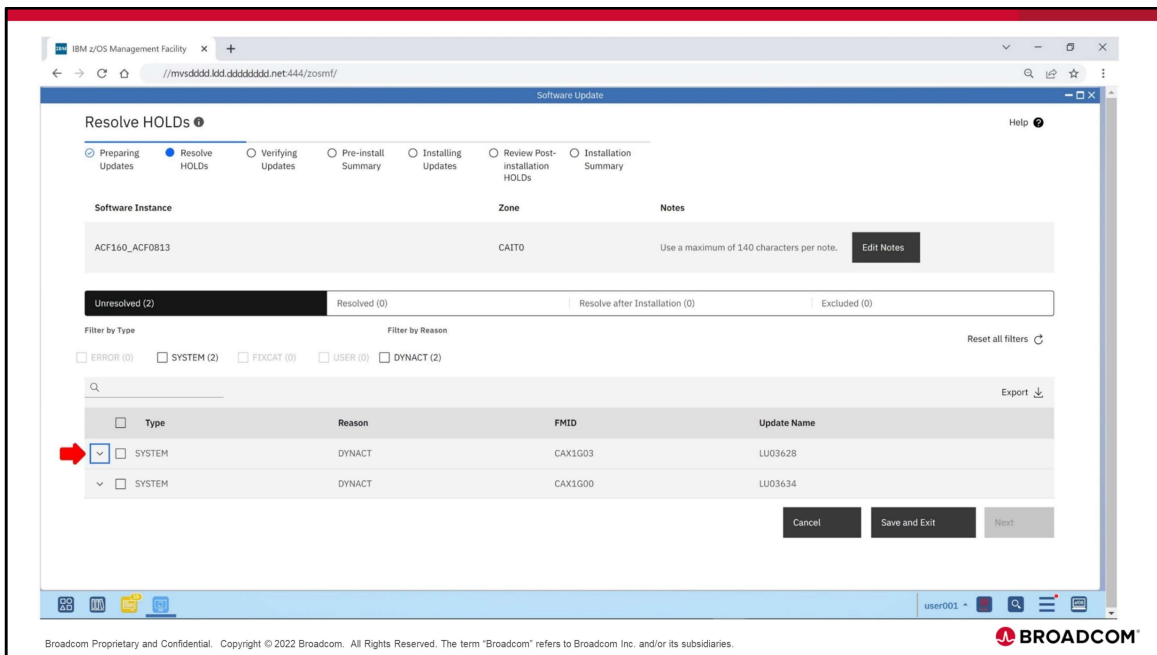
To prevent **exceeds maximum region size** errors, verify that the z/OSMF user

S TSO maximum region size is a minimum of 65536 KB for the z/OS system.

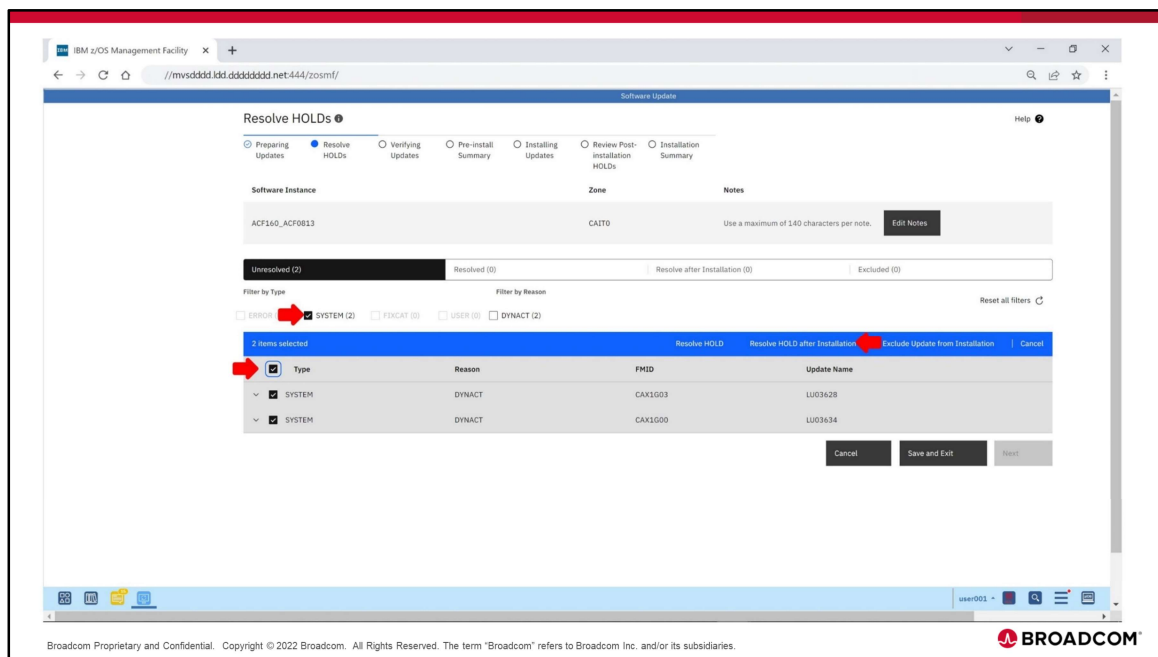
Change your TSO region size.



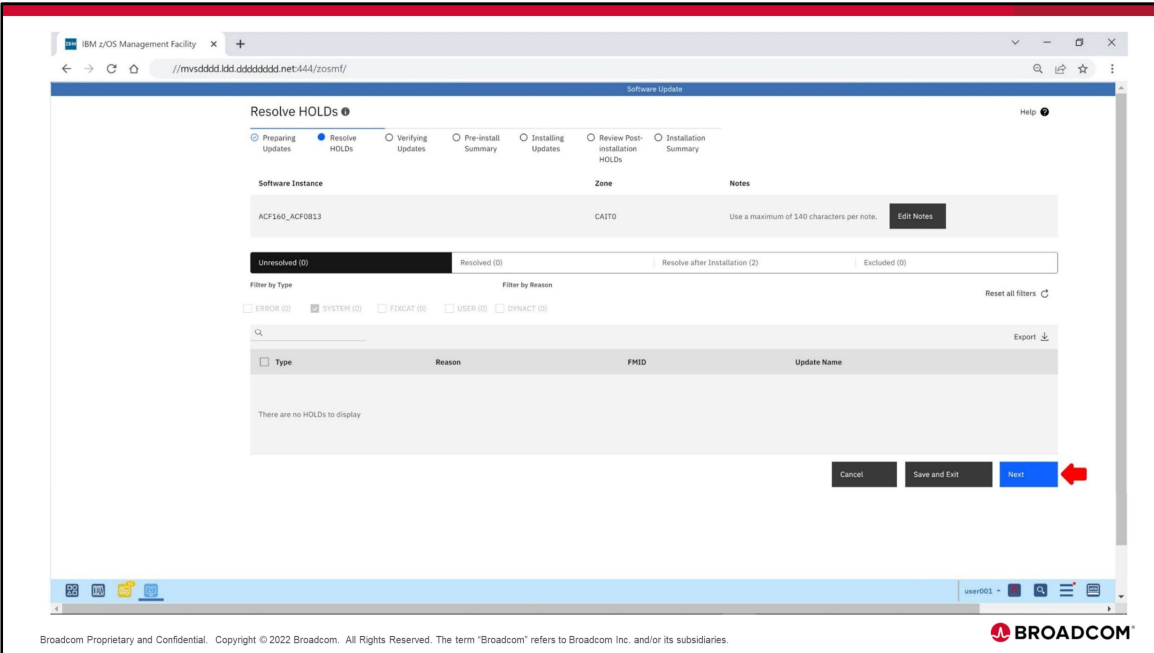
This is the first of seven 'Preparing Updates installations steps.', click 'Next' to continue.



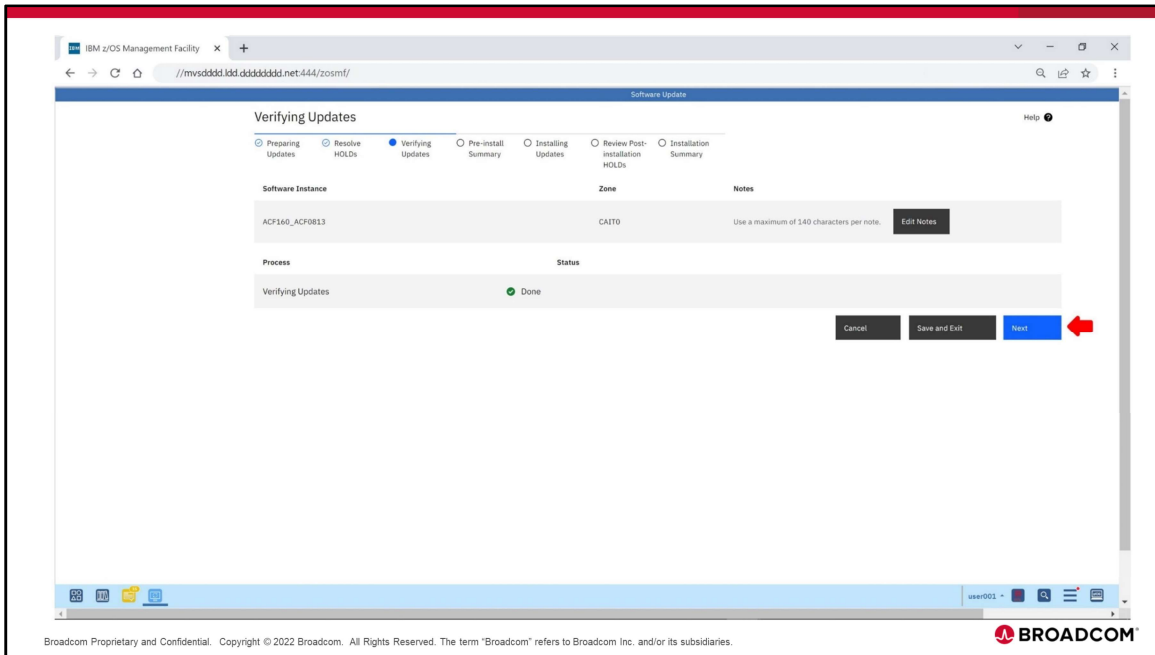
The 'Resolve Holds' step allows you to view and select if you want to resolve, resolve after installation or exclude. You can also click the down arrow by the PTF to display the holddata, for example:



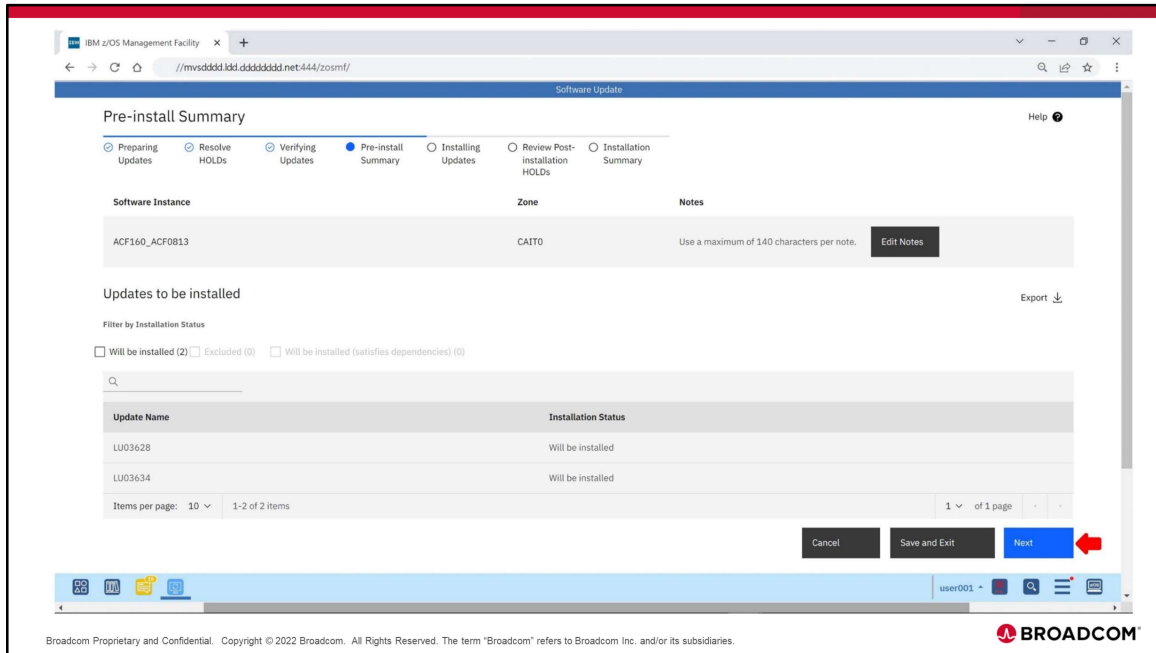
In this example we are selecting 'Resolve HOLD after Installation.'



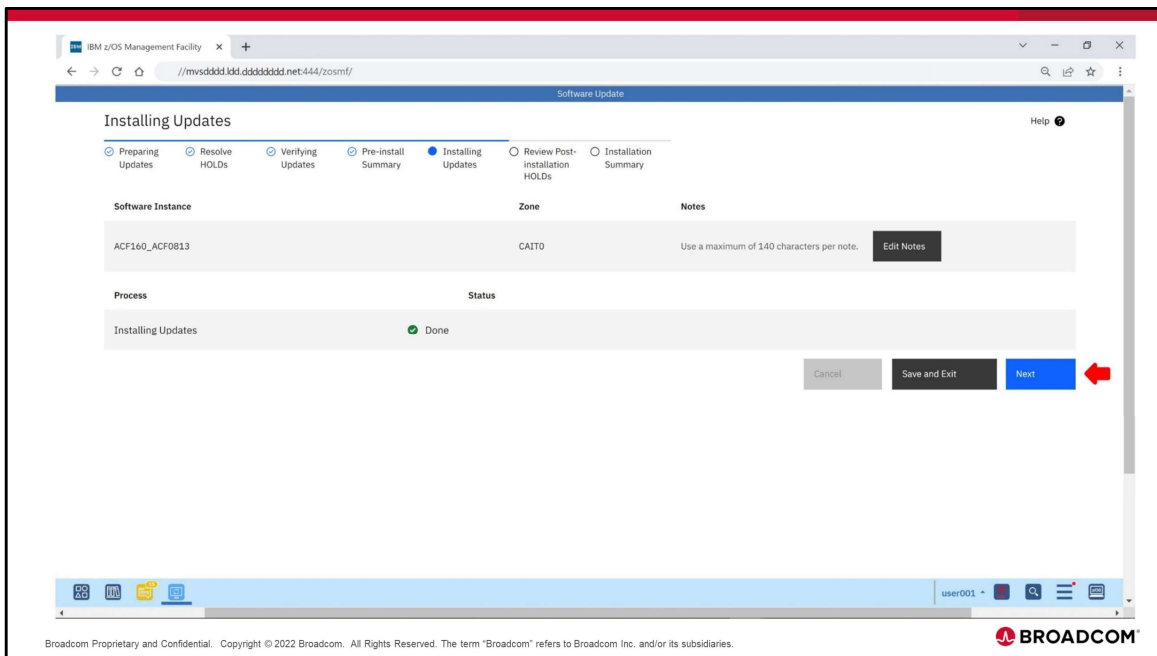
Now all of the HOLD have been resolved since the holds will be resolved after installation.



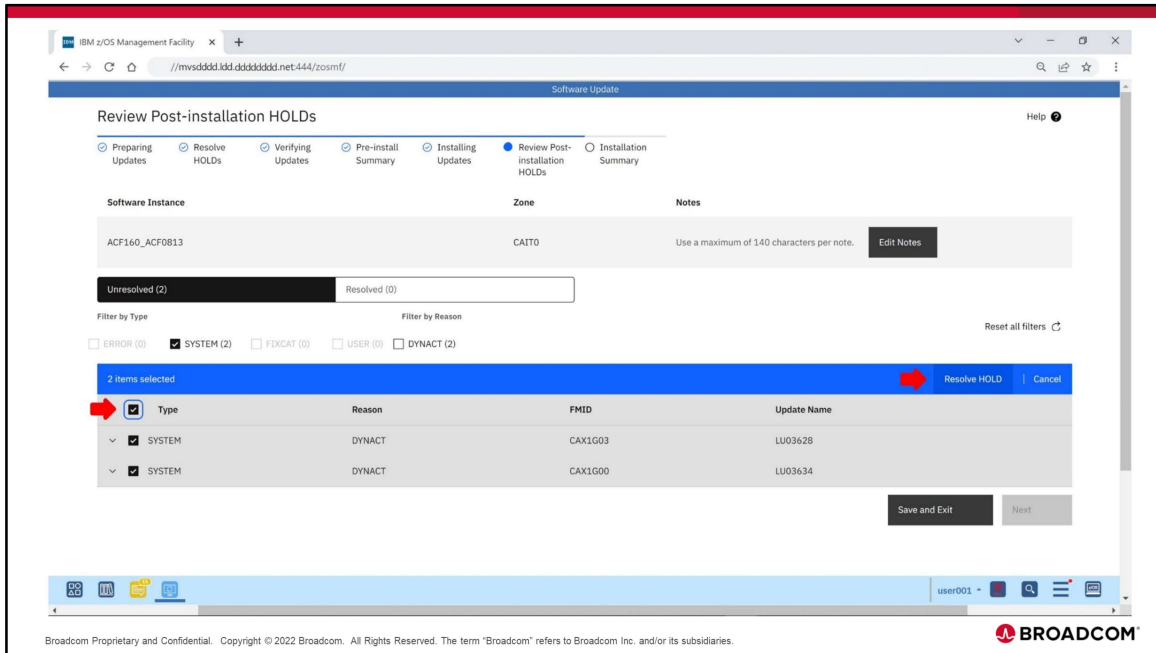
Next the Updates will be verified by z/OSMF, after the status displays 'Done', then click 'Next' to continue.



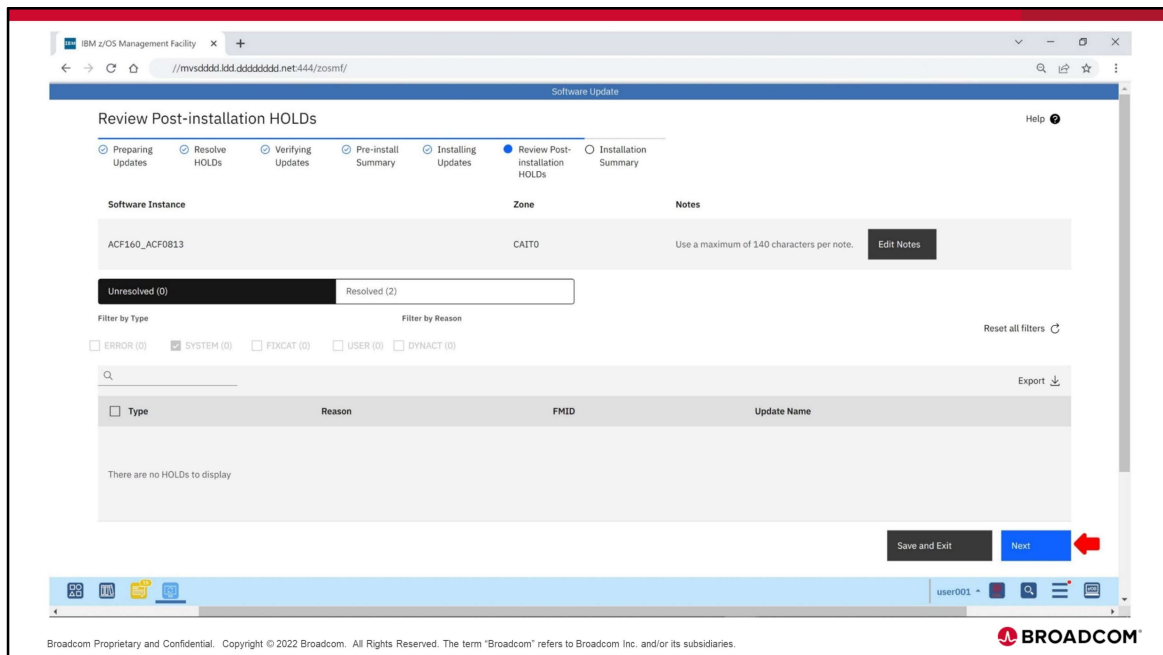
The 'Pre-Install Summary' displays the PTFs to be installed, click 'Next' to continue.



The 'Installing Updates' step will apply the apars, after the Status displays 'Done', click on 'Next' to continue.



The 'Review Post-installation HOLDS' allow you to review and complete the HOLDS, once the HOLDS are satisfied, click on the 'Type' box to select all apars, then click on 'Resolve HOLD' to continue.



Now that the HOLDS are resolved, click 'Next' to continue.

z/OSMF Software Update

Install Corrective

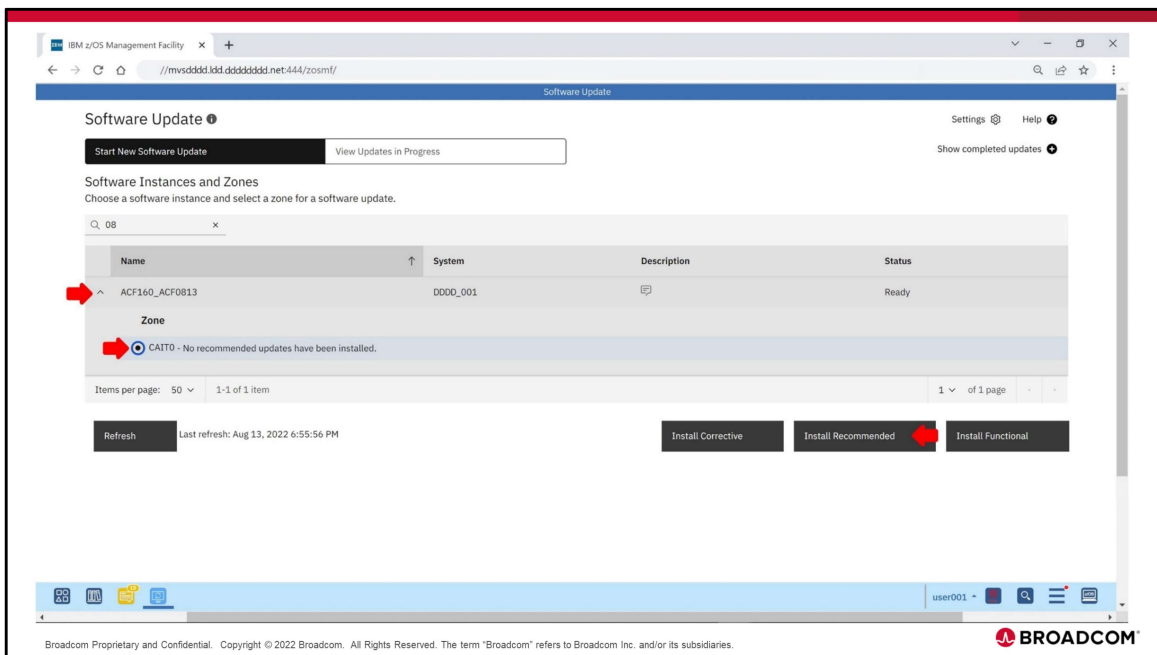
Install Recommended

Install Functional

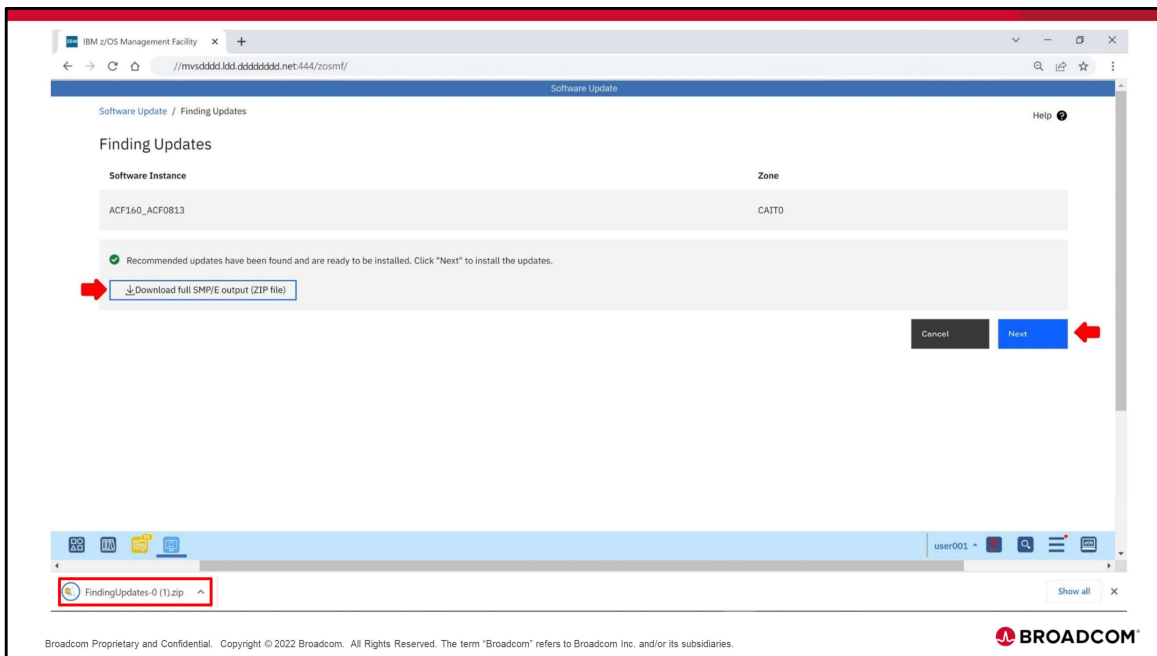
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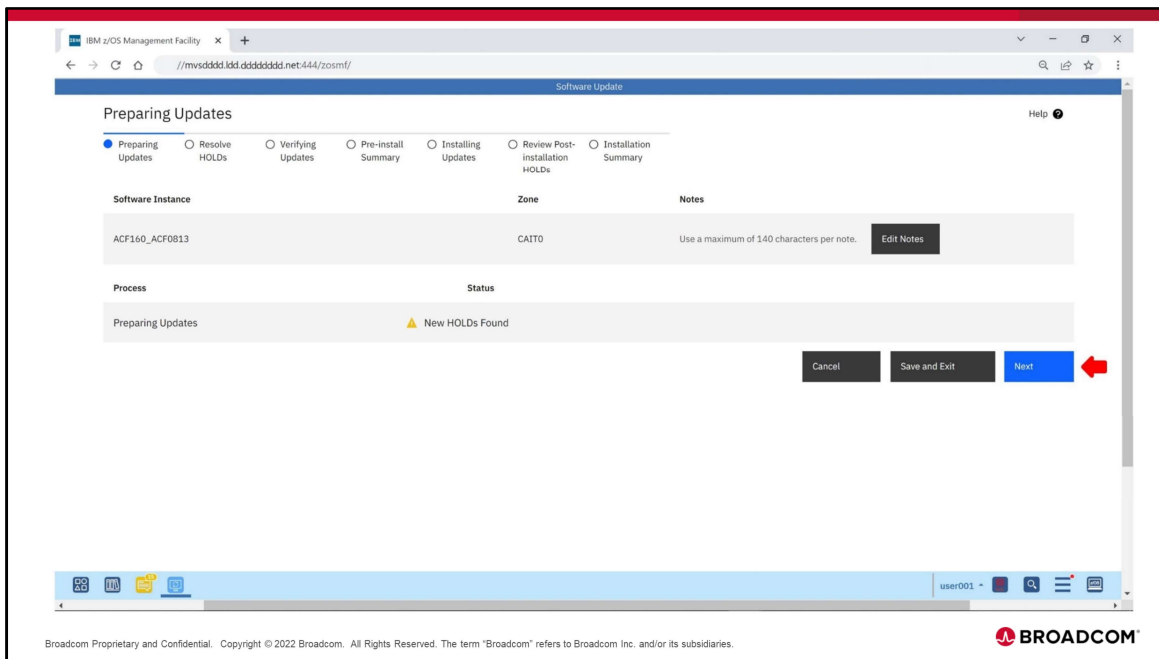
Install Recommended will install software updates that are recommended by the software vendor. The Software Update task uses the vendor defined source ID to identify recommended updates:
CAR* HIPER PRP RSL* RSU* SECINT



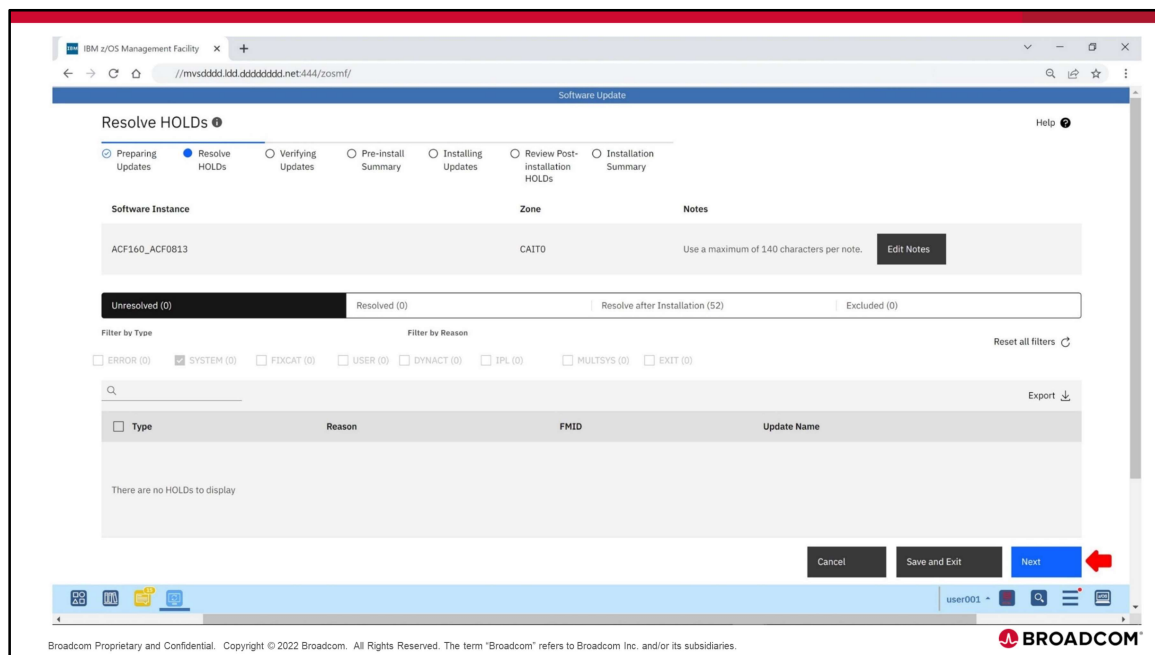
Find the Software Instance that you want to perform a software update and click on the down arrow, check the target zone and click on 'Install Recommended' to continue.



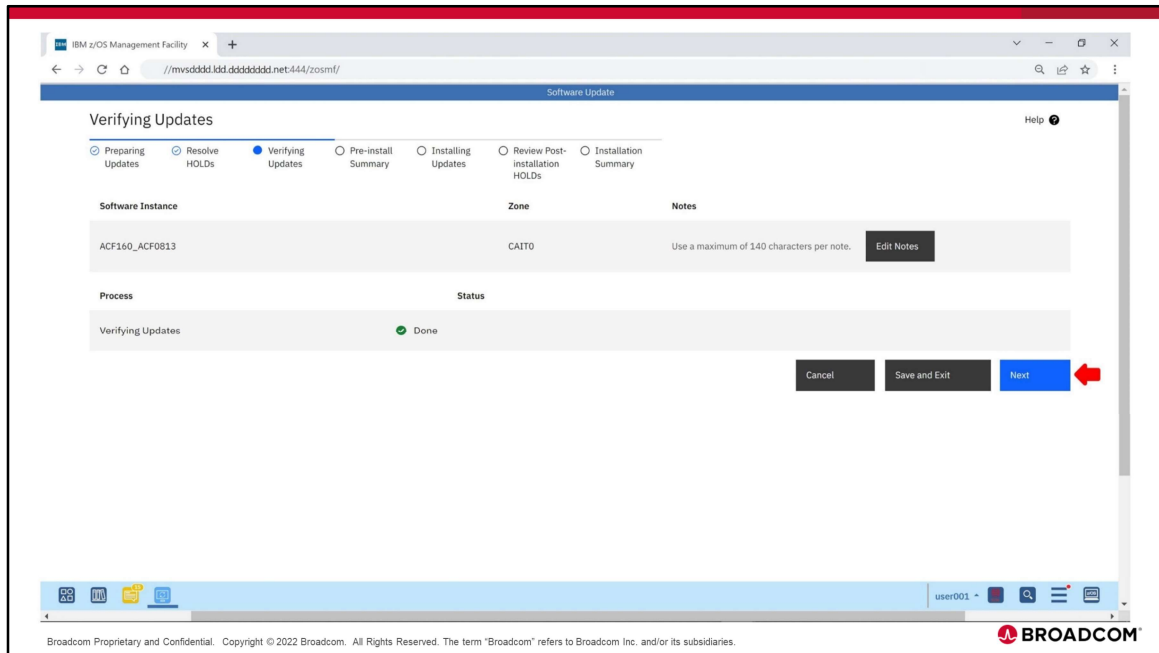
The 'Install Recommended' will select apar based on sourceid: APPLY
SOURCEID(RSU* SECINT HIPER CAR* RSL* PRP)
GROUP BYPASS(HOLDFIXCAT HOLDSYSTEM HOLDUSER) CHECK
Optionally by clicking the 'Download full SMP/E Output you can download the
output showing the apars found based on sourceid.



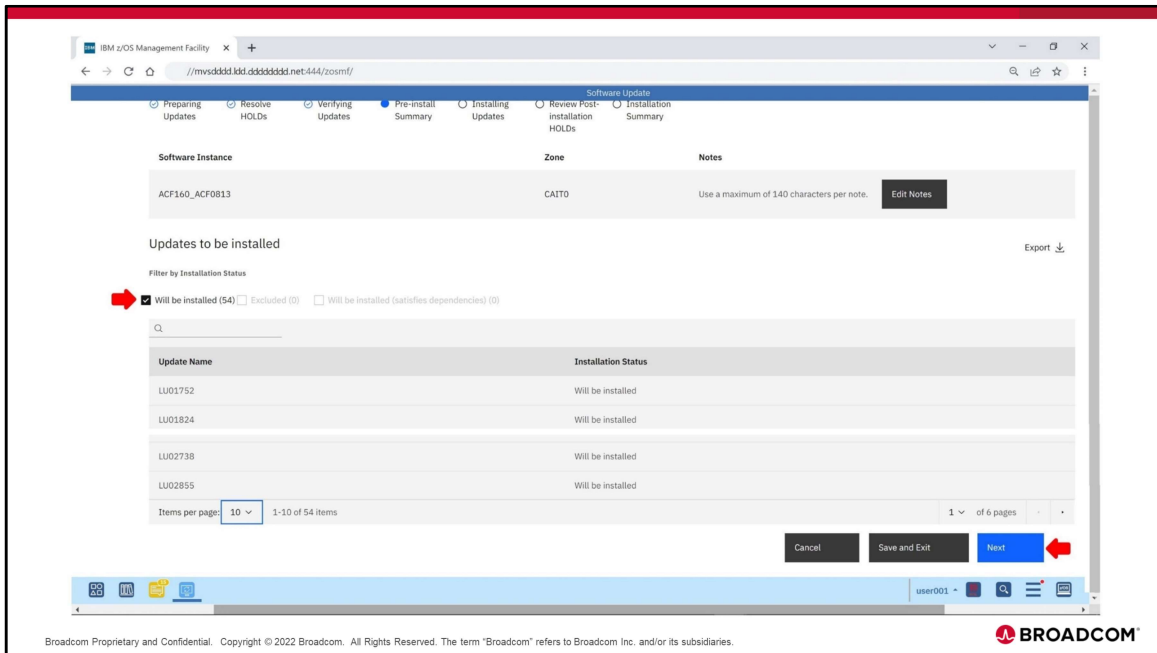
This is the first of seven installations steps. 'Preparing Updates', click 'Next' to continue.



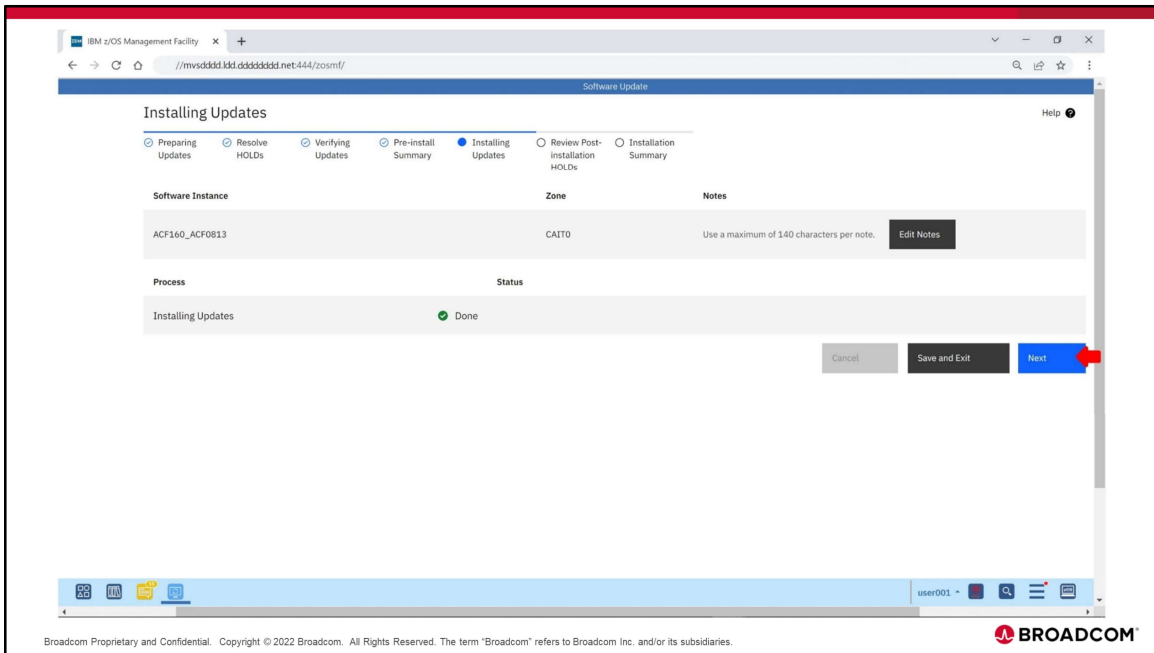
Now all of the HOLD have been resolved since the holds will be resolved after installation. Click 'Next' to proceed.



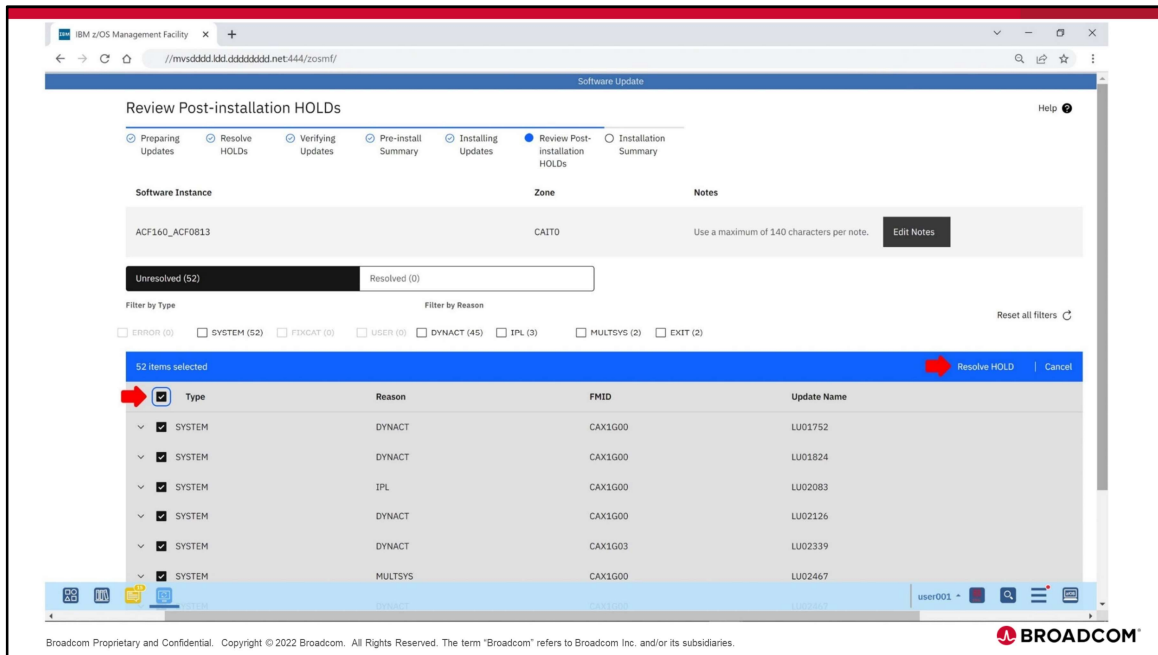
Next the Updates will be verified by z/OSMF, after the status displays 'Done', then click 'Next' to continue.



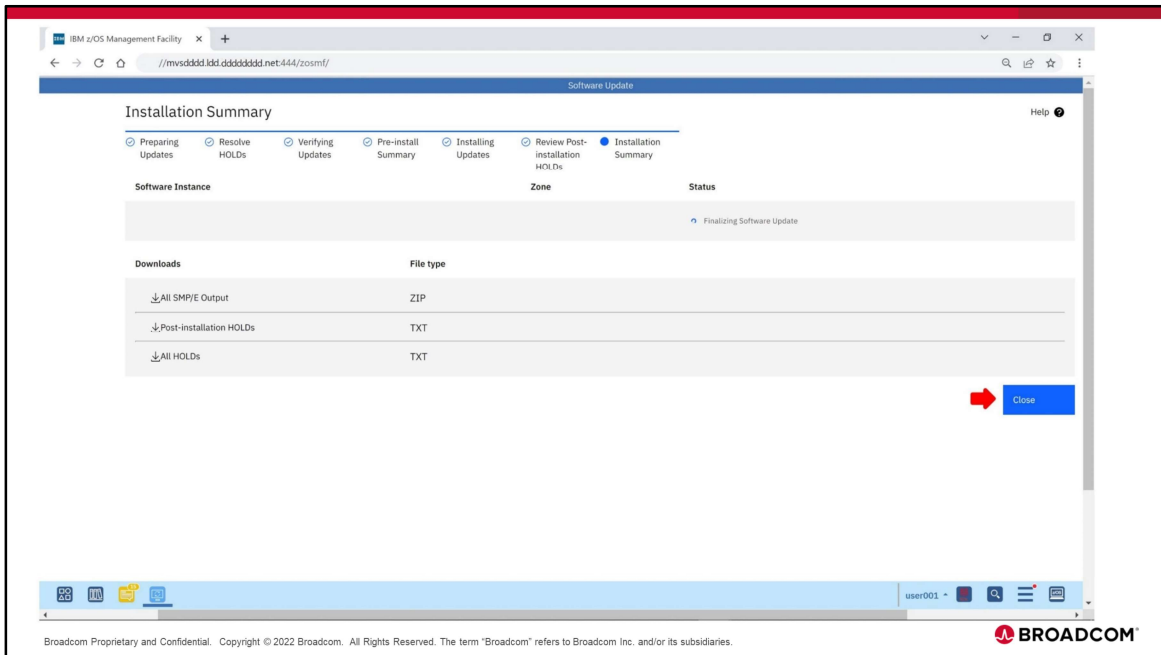
The 'Pre-Install Summary' displays the PTFs to be installed, click 'Next' to continue.



The 'Installing Updates' step will apply the apars, after the Status displays 'Done', click on 'Next' to continue.



The 'Review Post-installation HOLDS' allow you to review and complete the HOLDS, once the HOLDS are satisfied, click on the 'Type' box to select all apars, then click on 'Resolve HOLD' to continue.



You can optionally click on the Download links to download the desired SMP/e output. After doing so, click 'Close' to finish the 'z/OSMF Install Recommended' maintenance.

z/OSMF Software Update

Install Corrective

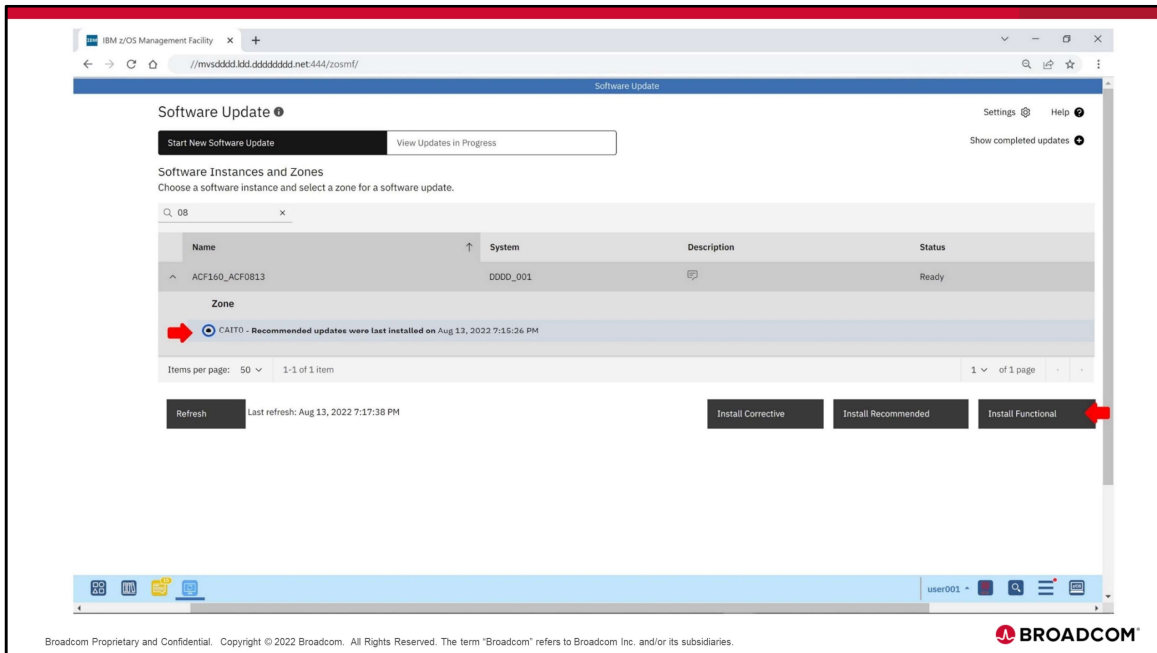
Install Recommended

Install Functional

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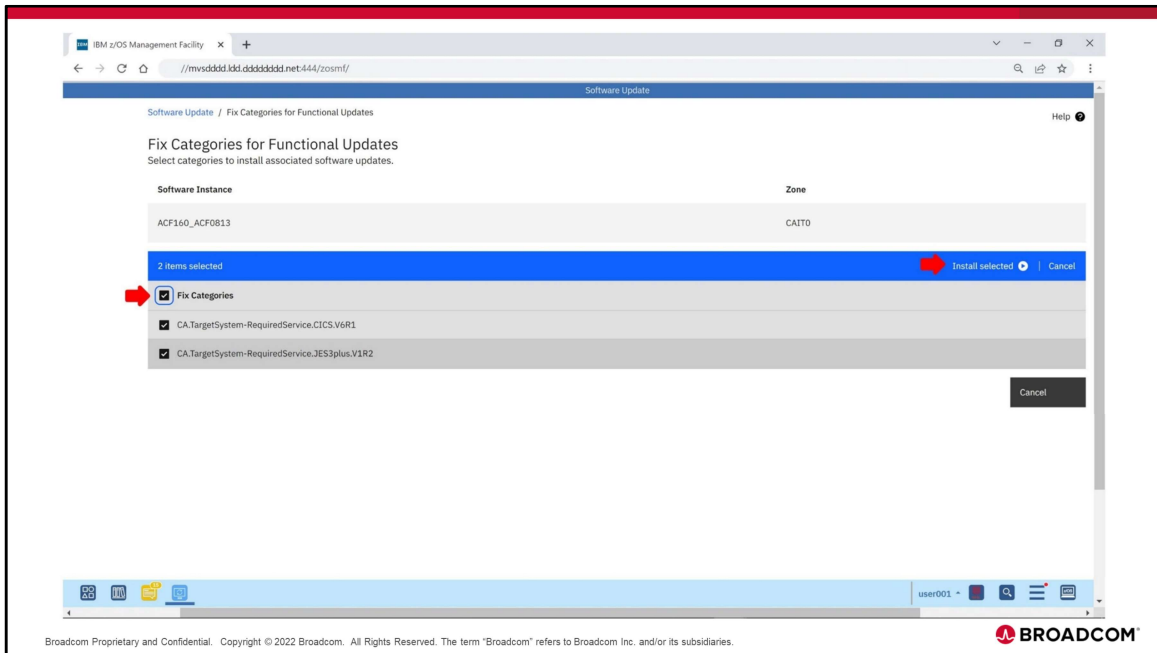
Install Functional will Install functional software updates to support new hardware, software, or function. The Software Update task identifies the product specific fix categories based on source ID that are associated with available functional.



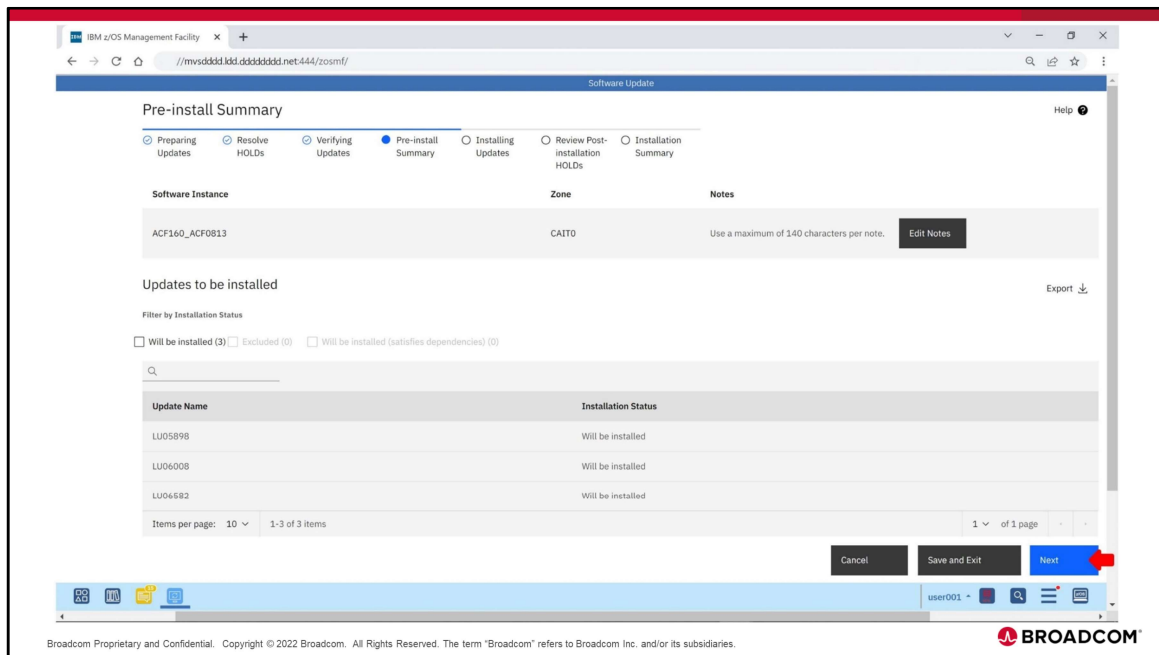
Install Functional

Find the Software Instance that you want to perform a software update and click on the down arrow.

Check the target Zone and then select one of the three install options available: Install Corrective, Install Recommended and Install Functional are available. In this example 'Install Functional' is selected. Since the three types of maintenance installs are similar, we will only go over the differences for 'Install Functional'.



For 'Install Functional', sourceids CA.Function, CA.Product.RequiredService, and CA.TargetSystem-RequiredService type sourceids will be selected. For this example with ACF2 there were two CA.TargetSystem-RequiredService sourceid found. Check the 'Fix Categories' box to select all of the functional updates found, then click on 'Install selected' to proceed.



In this case three functional updates were selected based on the sourceid CA.TargetSystem-RequiredService. Click 'Next' to continue. The remaining steps for 'Install Functional' are similar to the 'Install Corrective' and 'Install Recommended' so there is no need to go through the steps.

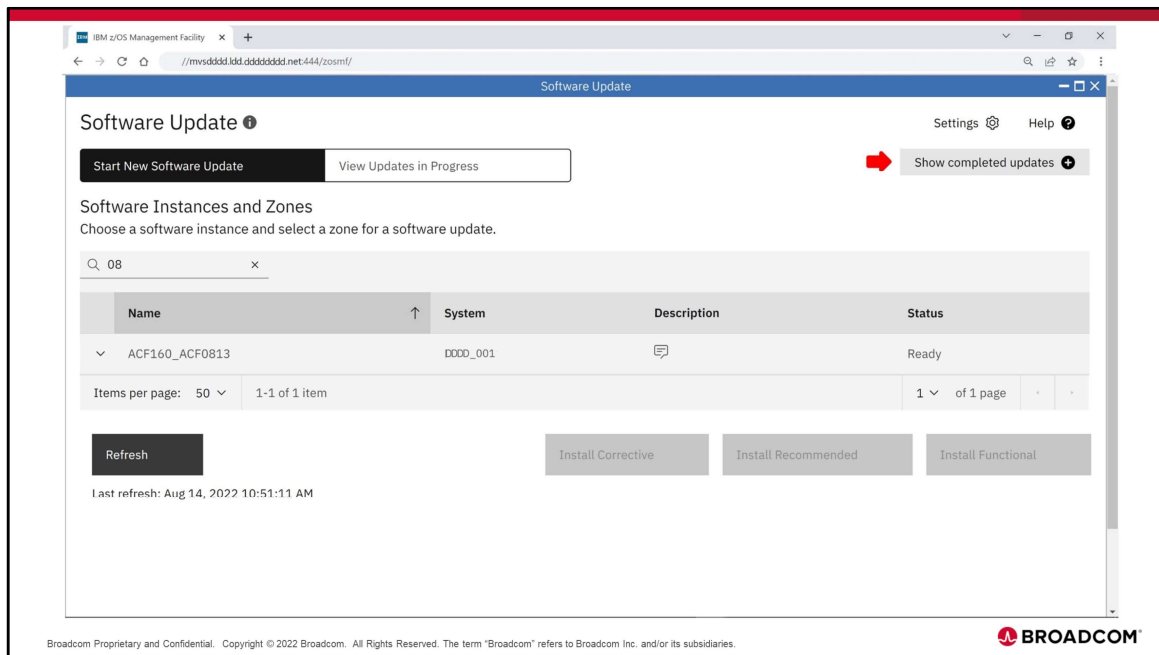
z/OSMF Software Update

Viewing completed software updates from the Software Update Tasks

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Use the Completed Updates window to view details about all completed or canceled software update processes.



Click on the Show completed updates link to open the Completed Updates window.

IBM z/OS Management Facility x +

← → ↻ //mv5ddddd.kdd.ddddddd.net-444/zosmf/





Software Update

Software Update / Completed Updates

Help ?

Completed Updates

Q 08 x Search


| Software Instance | Zone | System | Type | Notes | Date Completed (local) | Status |
|-------------------|-------|----------|------|-------|-------------------------|---|
| ACF160_ACF0813 | CAIT0 | DDDD_001 | F | | Aug 13, 2022 7:21:53 PM | Completed   |
| ACF160_ACF0813 | CAIT0 | DDDD_001 | R | | Aug 13, 2022 7:15:26 PM | Completed  |
| ACF160_ACF0813 | CAIT0 | DDDD_001 | C | | Aug 13, 2022 6:52:14 PM | Completed  |

Items per page: 50 1-3 of 3 items 1 of 1 page

Refresh Close

Last refresh: Aug 14, 2022 11:21:27 AM

ACF160_ACF0813...zip Show all x

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In the list of completed or canceled update processes, locate the update process for which you want to view details, click on the down arrow and then click on the output that you would like to download.

Assistance/Questions

The Broadcom z/OSMF Migration website contains links for additional training and details on contacting a **Product z/OSMF Advisor**:

- Consultation/Q&A
- Available Training Videos:
 - zOSMF Acquire Product
 - zOSMF Migrate SMPE Environments
 - zOSMF Product Installation
 - zOSMF Product Install Maintenance
 - Receive Order

Broadcom z/OSMF Migration website:
http://mainframe.broadcom.com/zosmf_migration

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For additional training and details on contacting a Product z/OSMF Advisor please use the link or QR code to access the z/OSMF Migration website.

