z/OSMF Hand-On Labs

- Choose Your Own Topic -

Using the z/OSMF Software Updates to manage updates for SMP/E software

1

Abstract:

Are you a z/OS system administrator or a system programmer and would like to use a graphical user interface to easily install updates for SMP/E managed software? With the Software Update task, you can apply updates to existing software instances and manage in-progress and completed update processes,

This self-directed lab will take you through a guided experience for installing corrective, recommended, and functional updates to your system.

So, you've bought a great new product called "The Box III" from Hooli! You've successfully deployed this software. How do you update your newly installed product? It is very simple with z/OSMF Software Update.

What level of z/OSMF do you need to package or install a PSI? Ensure you have the appropriate z/OSMF Software Management support installed:

- *z/OSMF V2.2 with PTF UI44516 , or*

- *z/OSMF V2.1 with PTF UI42018*

Note: Subsequent enhancements are being made to z/OSMF Software Management all the time. To find them, just use the SMP/E FIXCAT IBM.DrivingSystem-RequiredService.

When you follow this self-directed lab, here is a high-level overview of what you will learn:

1.   Logon to z/OSMF with your supplied lab id and password.

2.   z/OS Customer view: install a PSI provided from a software vendor using z/OSMF Software Management's deployment task.

Logon to z/OSMF.

In this step, we will now go into z/OSMF to use the Software Update function. For this lab, we are using a z/OSMF V2.5 system.

    a. Go to https://share.centers.ihost.com/zosmf/ on the Firefox or IE web browser. (If you want to follow this lab on your own system, that is fine. Just not some of the samples we use you will need to supply yourself, using the Appendix to find those samples.).

    b. Using the userid you were given (SHARAnn, SHARBnn, or SHARCnn) and the password, logon to z/OSMF. The userid you were given is a regular z/OS userid on this system and has been given access to z/OSMF. There is *no* z/OSMF code on this workstation, all executables (except the web browser) are on the z/OS system.

    c. Click on "LOG IN".

https://share.centers.ihost.com/zosmf/

#1a

IBM z/OS Management Facility

LEARN MORE   NEED HELP?

Welcome to z/OS

The highly secure, scalable and resilient enterprise operating system for the IBM z Systems mainframe.

z/OS USER ID

shara02

z/OS PASSWORD

••••••••

#1b

LOG IN

#1c

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IBM Support   z/OSMF home Page   z/OS home Page

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Click on "**Software Update**".
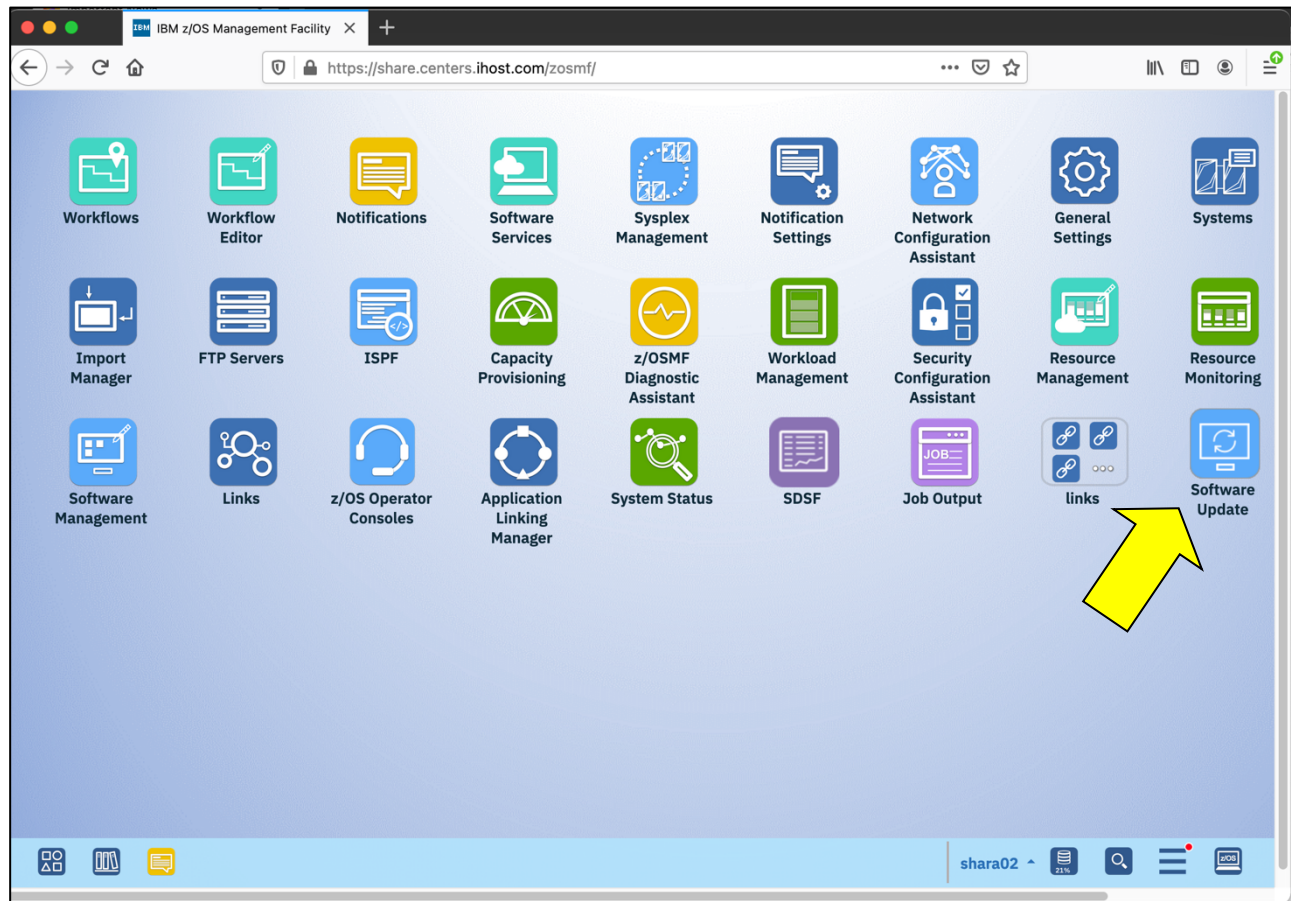
In the **Software Update** window.

1) To limit the Software Instances that are displayed, put in your SHARE_ID -SWULAB in the search line. This will show your Software Instance that you will work with

2) Click on the arrow next to your Software Instance. This will show you the Zone for your Software Instance

3) Select the Zone.

4) You can "View Updates in Progress" and cancel the update.

5) You can also see the completed updates.

You now have the option to choose which type of updates you want to install. "**Install Corrective**", "**Install Recommended**", or "**Install Functional**".

For this lab, we are going to go ahead and install a functional update.

Click on "**Install Functional**".

Here we can see all the FIXCATs that are available for us to install. For this lab we are to install fixes that have the Hooli.Thebox.HealthChecker FIXCAT associated with them.

1.   Select Hooli.Thebox.HealthChecker

2.   Click on Install selected.
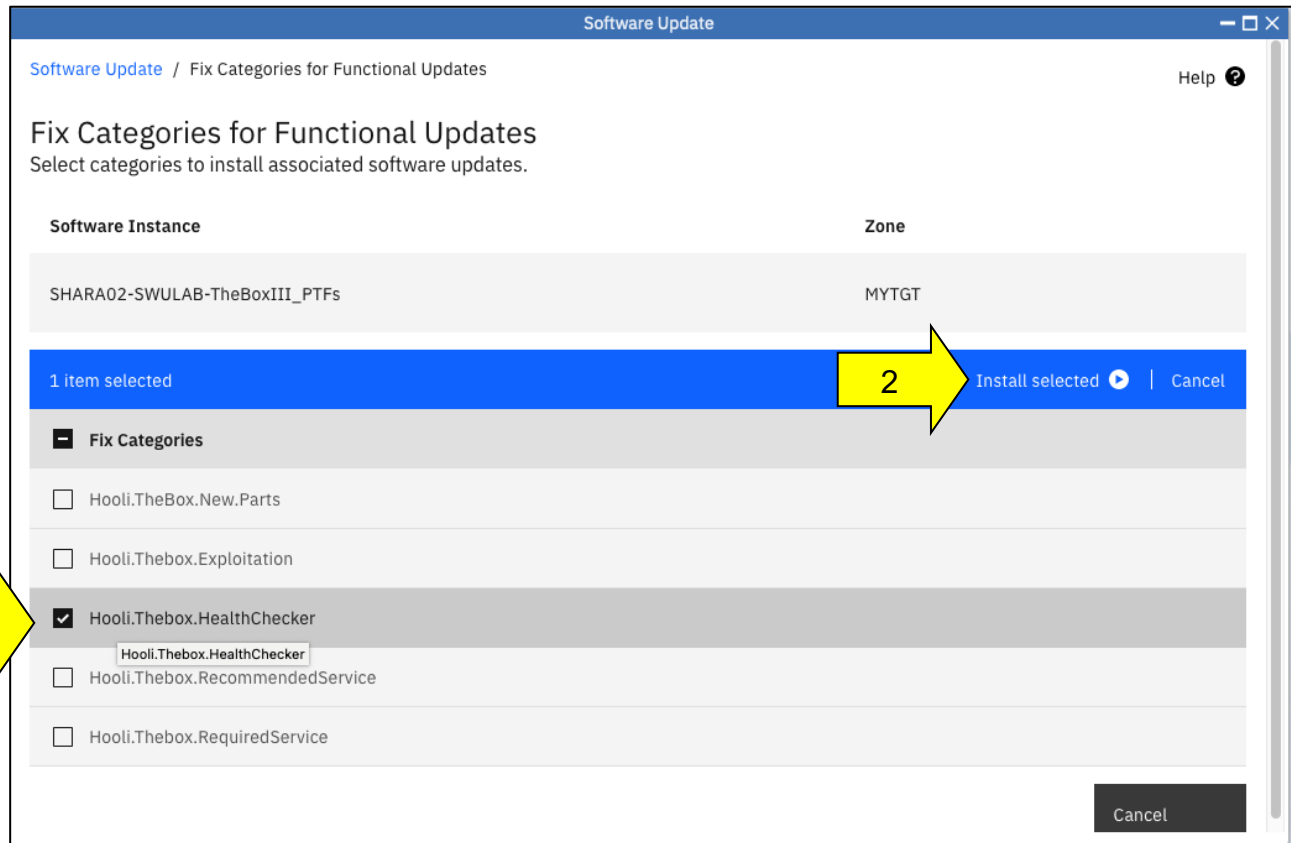
Now we are ready to start installing our PTFs.
This next window, "Preparing Updates", shows the status of the process to prepare updates for installation.
Here we can see that we will have some "New HOLDs"(1) that we will be working with.
Click "Next"(2) to continue.

Note: At any time in the process you can click "Save and Exit"(3) and come back to the installation at a future time.

We can now see we have 4 HOLDs to resolve. We have 3 DOC holds that we can resolve before we install, and 1 IPL HOLD that we will want to resolve after installation.
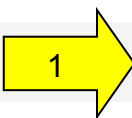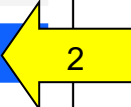
Software Update

Resolve HOLDs ⓘ

Help ❓

○ Preparing Updates (checked) ● Resolve HOLDs ○ Verifying Updates ○ Pre-install Summary ○ Installing Updates ○ Review Post-installation HOLDs ○ Installation Summary

Software Instance	Zone	Notes	
SHARA02-SWULAB-TheBoxIII_PTFs	MYTGT	Use a maximum of 140 characters per note.	Edit Notes

Unresolved (4)	Resolved (0)	Resolve after Installation (0)	Excluded (0)

Filter by Type   **Filter by Reason**   Reset all filters ↻

☐ ERROR (0)   ☐ SYSTEM (4)   ☐ FIXCAT (0)   ☐ USER (0)   ☐ DOC (3)   ☐ IPL (1)

🔍 [   ]   Export ↓

	Type	Reason	FMID	Update Name
⌄ ☐	SYSTEM	DOC	HOOMOC3	HL00006
⌄ ☐	SYSTEM	DOC	HOOMOC3	HL00008
⌄ ☐	SYSTEM	DOC	HOOMOC3	HL00011
⌄ ☐	SYSTEM	IPL	HOOMOC3	HL00011

Cancel   Save and Exit   Next

Select the 3 DOC HOLDs. Notice now just above the HOLDs we have several different options we can do with these HOLDs.

Before we resolve these HOLDs, let's take a look at them. Click on the arrow next to one of the HOLDs(1). This will expand and show you the HOLD related to the PTF shown to the right.
Once you review all the HOLDs, click on "Resolve HOLD"(2).

You should now only see 1 HOLD, the IPL HOLD. For this HOLD we will want to resolve after installation. Select this HOLD(1), then click on "Resolve after Installation"(2), then Click "Next" which will be active once you resolve the IPL HOLD(3).

This next window, "Verifying Updates", shows the status of the process to verify your hold resolution choices. Go ahead and click "Next" once you see the checkmark next to Done.

This window is the "Pre-install Summary". This window summarizes the installation status of the updates. It shows all updates that have been selected for installation or that were excluded from the installation. No updates have been installed at this point. You can see that we have 4 updates that have been selected to be installed. Click "Next"

This next window, "Install Updates", shows the status of its work to install the selected updates on the selected software instance. If there was an "ERROR" you would be able to download a zip file with the job output. Click "Next" when you see the checkmark next to "Done".

Now we can now resolve our HOLD that we chose to resolve after installation. Like the DOC holds, you can click on the arrow next to the HOLD(1) to read the content. Select the HOLD(2) and click on "Resolve HOLD"(3). then Click "Next" which will be active once you resolve the IPL HOLD(4).

This final window, "Installation Summary", provides links to download the SMP/E output for the update process and information about the HOLDs for you to review.
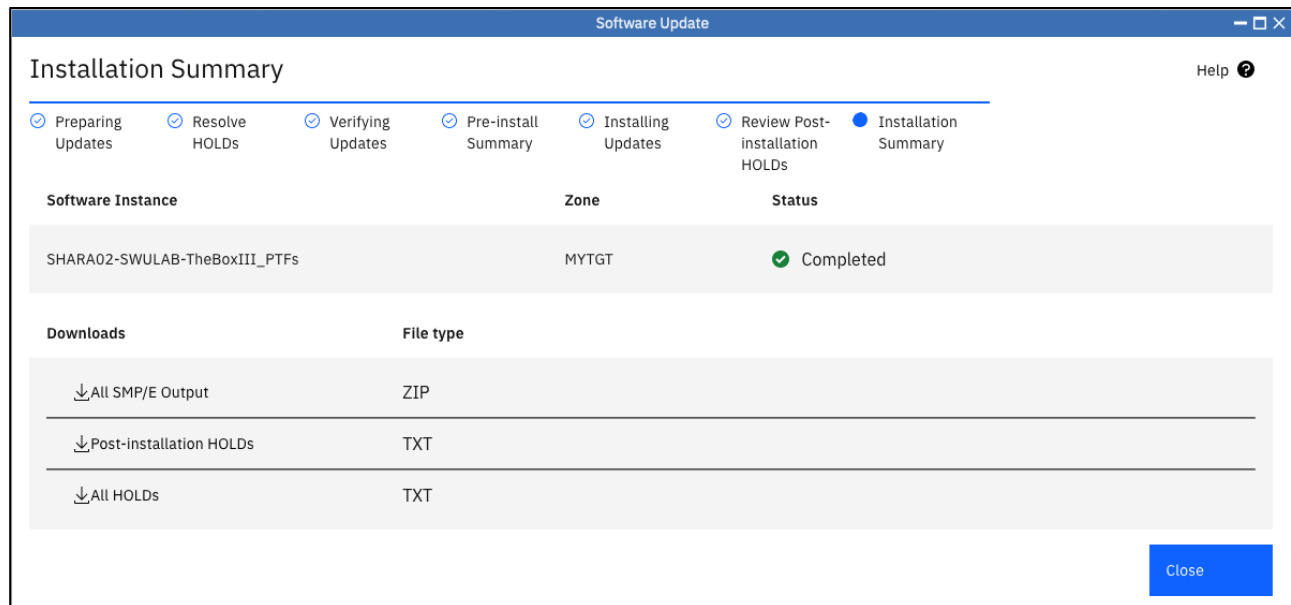
Congratulations!! You have just used Software Update to install your SYSMODs. You can **Close** out of this window.

If you would like to try the "Install Corrective" option on your own, go ahead and try to install update HL00009.

Thank you for being a good user on our system!