



**z/OSMF labs:
A smorgasbord of goodies to try out!**

Software Deployment

Deployment: is the ability to clone (or put software into data sets), either into a new Software Instance, or to replace an existing Software Instance.



2019 IBM Systems
Technical University



Agenda

- **Background**
- **Logon to z/OSMF and invoke Software Management**
- **Lab Exercises – Use z/OSMF to Deploy installed software**
 - 1. Specify the Properties for this Deployment**
 - 2. Select the Software Instance to Deploy**
 - 3. Select the Objective for this Deployment**
 - 4. Check for Missing SYSMODs**
 - View missing SYSMOD reports
 - 5. Configure your deployment**
 - Want DLIBs?
 - Model after source or another software instance?
 - SMP/E Zones
 - Data sets
 - Catalogs
 - Volumes and Storage Classes
 - Mountpoints
 - 6. Create the deployment summary and jobs**
 - View the deployment summary
 - 7. Submit deployment jobs.**
 - 8. Specify the properties for the target software instance**
 - 9. View the completed deployment**

Background

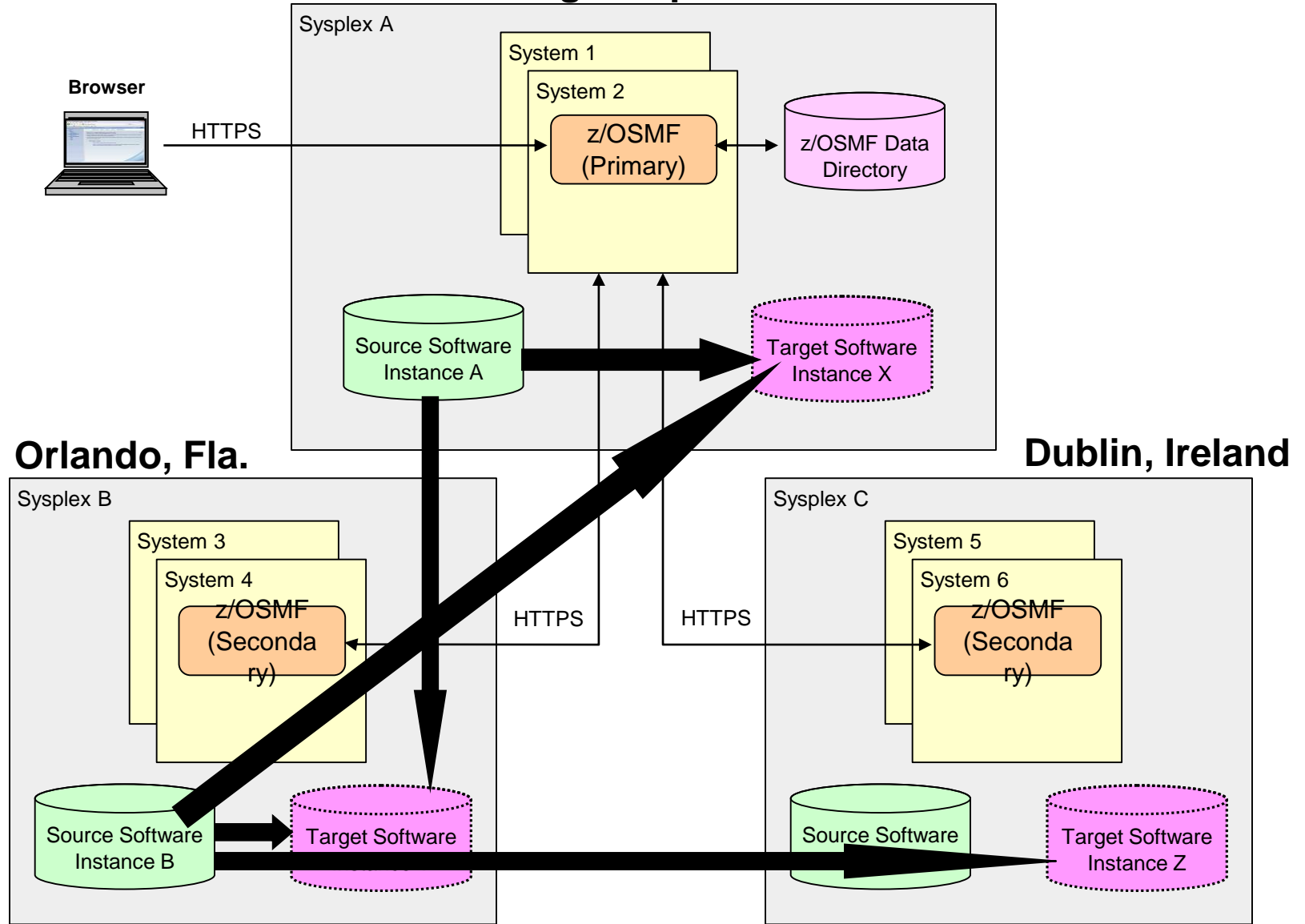
Lab Hints and Tips

- At any time you can use the Help facilities by clicking on the link in the upper right hand corner of the screen
- You are encouraged to follow the instructions provided, but you can use the new views and reports on any defined software instance
 - Please note that the closer you follow the instructions, the easier it will be to assist you if you go astray
 - The handout contains screen captures and guidance to lead you through the lab
- **Do NOT use the Browser BACK button to go to the prior screen!!!**
 - Use z/OSMF “breadcrumbs” instead
- Also note that if you change the browser display size (Ctrl/+, or Ctrl/-) then what you see may not exactly match the handout.

Software Management (Deployment)

- **Software Deployment is a z/OS Management Facility (z/OSMF) plug-in application**
 - Web-based application.
 - User interaction is via a browser on a workstation.
 - z/OSMF and Software Management will be active on one system in a sysplex, allowing access to shared DASD.
 - Locally, either on a single system or system-to-system within a sysplex.
 - Remotely, system-to-system across a network and multiple sysplexes.
- **This function was integrated and enhanced in z/OSMF V2.1**
 - Enhancements were introduced in March 2014 (PTF UI16044) and again in September 2014 (PTF UI91005), and rolled into z/OS V2.2. Several enhancement continue to be integrated.
- **This lab will use a z/OS V2.3 system, which contains z/OSMF V2.3.**

Poughkeepsie



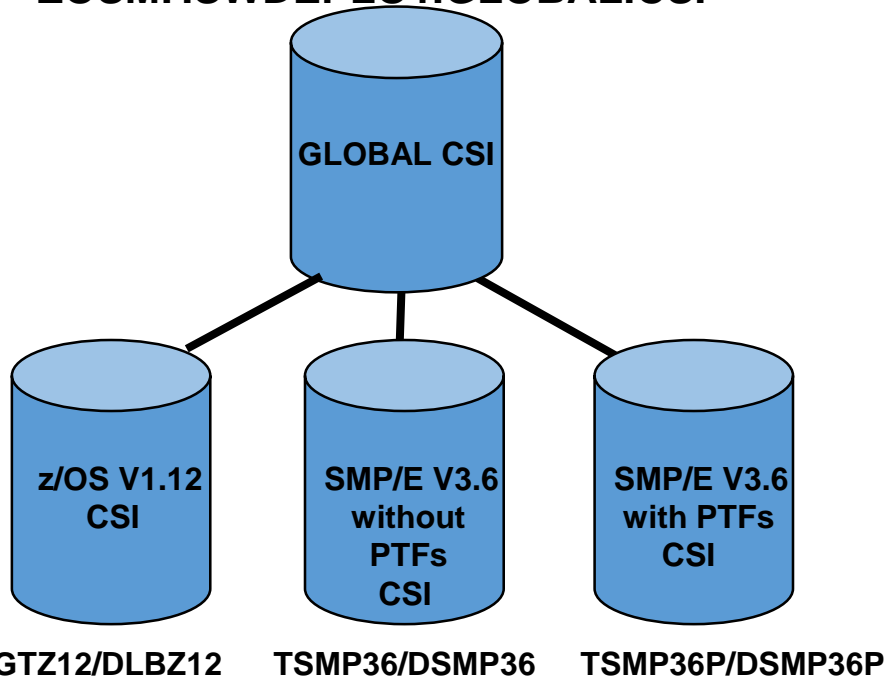
Example: Software instances can be viewed or deployed throughout your enterprise

Lab SMP/E Environment

Four (4) "Master" Software Instances

1. MASTER_ZOSV1.12
2. MASTER_SMPEV3.6_WITHOUT_PTFS
3. MASTER_SMPEV3.6_WITH_PTFS
4. MASTER_zOS_R13_w/Other_Products

ZOSMF.SWDEPLOY.GLOBAL.CSI



SMLAB01.GLOBAL.CSI



TGT zone	DLIB zone
Z1130T	Z1130D
COB320T	COB320D
PLI410T	PLI410D
DT910T	DT910D

**Logon to z/OSMF
and invoke
Software Management**

Log in to z/OSMF

- **Launch the Mozilla Firefox browser**
 - Note: If browser asks to add exception for certificate, do so
- **Point Browser to z/OSMF – enter the following url**
 - <https://mvs1.centers.ihost.com/zosmf/>
 - Note: Ignore and close the warning message
 - IZUG809W Unsupported Web browser version or level found: "3.6.13 (.NET CLR 3.5.30729)" . Some z/OSMF functions might not be available if you continue.
- **Login with SHARE userid/pw as provided by the lab instructor**
 - Each workstation has been assigned a unique z/OS User ID
 - SHARxnn (where x is either A, B, or C; and nn is 01 - 30)
 - Password: to be provided
- **Each User ID has been authorized to all the z/OSMF applications (Plugins)**

Log in to z/OSMF



IBM z/OS Management Facility

Hello World!

Secure connection to z/OS host
<https://mvs1.centers.ihost.com/zosmf/>

HELP?

Welcome to z/OS

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

z/OS USER ID

z/OS PASSWORD

Use desktop interface ?

LOG IN

- Use supplied user id and password.
- Do not click Use desktop interface.
- Click Log in.

Invoke Software Management



IBM z/OS Management Facility

- Welcome
- Notifications
- Workflow Editor
- Workflows
- ▶ Configuration
- ▶ Consoles
- ▶ Jobs and Resources
- ▶ Links
- ▶ Performance
- ▶ Problem Determination
- ▼ **Software**
 - **Software Management**
 - ▶ z/OS Classic Interfaces
 - ▶ z/OSMF Administration
 - ▶ z/OSMF Settings

Refresh

Welcome x

- **Expand). Software**
- **Click on Software Management**
- **Collapse bar for more visibility (red circle)**

Facility

mework for managing various asp
some areas of z/OS system manag

re section.

g your z/OS systems, select a task from the navigation area.

Learn More:

[What's New](#)

[z/OSMF tasks at a glance](#)

[Getting started with z/OSMF](#)



**Step 1: Specify the
Properties for this
Deployment**

Step 1a: Invoke Software Deployment

Welcome x

Software Manage... x

Click on Deployments

Software Management

Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODs. [Learn more...](#)

Software Instances	Define software to z/OSMF; deploy software; generate reports about your software.
Portable Software Instances	Define your portable software instances to z/OSMF.
Products	View a consolidated list of the products included in each software instance.
Deployments	Deploy a software instance, and manage existing deployments.
Categories	Create new categories for your software instances and deployments, and manage existing categories.
Settings	Select the time zone in which to display date and time data. Indicate whether to display or suppress information messages.

Step 1a: Invoke Software Deployment ...

You are creating a new Deployment for the software instance here.

Welcome x Software Manage... x

Software Management ▶ Deployments ○ [Help](#)

Deployments

To deploy a software instance, create a new deployment by selecting **New** or **Copy** from the Actions menu.

Switch To: ▼

Actions ▼

- Modify
- View
- Copy...
- Cancel...
- Remove...
- New...**
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Sorts
- Export Table Data ▶
- Print Table Data ▶

Description	Activity Filter	Categories Filter	Source Software Instance Filter	Source System Filter	Target Software Instance Filter	Target Filter
is a sample deployment that may be used for demos.	Completed		MASTER_SMPEV3.6_WITH_PTFS	LOCAL	DEMO_SMPEV3.6_WITH_PTFS	LOCAL

Refresh Last refresh: Sep 30, 2015, 5:14:05 PM local time (Sep 30, 2015, 9:14:05 PM GMT)

Close

Step 1b: Start the Deployment Checklist

Here is a checklist of all the steps needed to create a new Deployment. You will progress through this checklist, one item at a time.

IBM z/OS Manager

Software Manag

Help

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
➔	1. Specify the properties for this deployment.
	2. Select the software instance to deploy.
	3. Select the objective for this deployment.
	4. Check for missing SYSMODs. <ul style="list-style-type: none">• View missing SYSMOD reports.
	5. Configure this deployment.
	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">• View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

Click on Specify the properties for this deployment

Close

- Click on the Blue text “1. Specify the properties for this deployment”
- Do NOT click on the arrow
- Hitting Enter (or Ctrl) is NOT the same as clicking on the text

Step 1c: Specify Deployment Properties

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Specify Deployment Properties

Help

Specify Deployment Properties

Enter a name and optional description for this deployment.

* Name:

SHARA11_Deployment_Lab

Description: (maximum 256 characters, currently 93 characters)

Excellent lab exercise to demonstrate how to use z/OSMF to deploy SMP/E installed software!!!

Enter the name for your Deployment

- Use your User ID
- Use underscore (“_”) instead of blanks
- For example, SHARxnn_SW_Deployment

Optionally enter a description (like the one shown here)

Categories

Actions

No filter applied

Name Filter	Description Filter	Activity Filter	Last Modified (Local) Filter	Modified By Filter	Locked (Local) Filter	Locked By Filter
There is no data to display.						

Total: 0 Selected: 0

There is no data to display.

Refresh

Last refresh: Sep 30, 2015, 5:39:22 PM local time

Then click OK

OK

Cancel

**Step 2: Select the
Software Instance
to Deploy**

Step 2: Select the Software Instance to Deploy

Now, you will tell z/OSMF Software Deployment what software instance you want to deploy from.

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
➔	2. Select the software instance to deploy.
	3. Select the objective for this deployment.
	4. Check for missing SYSMODs. <ul style="list-style-type: none">• View missing SYSMOD reports.
	5. Configure this deployment.
	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">• View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

Close

Click on Select the software instance to deploy

Notice that you are automatically positioned at the next step in the checklist

Step 2: Select the Software Instance to Deploy ...

For this Lab, you are going to deploy the software instance that has the product SMP/E V3.6 with PTFs.

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Software Instances Help

Software Instances

Actions ▾

No filter applied

Name Filter	System Filter	Description Filter	Activity Filter	Global Zone CSI Filter	Target Zones Filter	Categorie Filter
<input checked="" type="radio"/> MASTER_SMPEV3.6_WITH_PTFs	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
<input type="radio"/> MASTER_SMPEV3.6_WITHOUT_PTFs	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
<input type="radio"/> MASTER_ZOSV1.12	LOCAL	Source Software Instance for		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	

Total: 5 Selected: 1

Refresh Last refresh: Sep 30, 2015, 6:13:19 PM

OK **Cancel**

Select the MASTER_SMPE V3.6_WITH_PTFs software instance

Then click OK

**Step 3: Select the
Objective for this
Deployment**

Step 3: Select the Objective for this Deployment

Now, you will tell Software Deployment the system and the SMP/E GLOBAL zone you want for your “deployment destination” (where you are deploying to).

Follow the checklist, click on “Select the objective for this deployment”

Welcome x Software
Software Management > Deployments > Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
➔	3. Select the objective for this deployment.
	4. Check for missing SYSMODs. <ul style="list-style-type: none">• View missing SYSMOD reports.
	5. Configure this deployment.
	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">• View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

Close

Step 3: Select the Objective for this Deployment ...

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Select "A New global zone CSI" (the default)

Software Management > Deployments > Deployment Checklist > Select P

Help

Select Deployment Objective

This deployment will create a copy of the source software instance. The resulting copy is referred to as the target software instance. Indicate whether you want the target instance to be a new software instance or to replace an existing software instance.

Objective:

- Create a new software instance and connect it to the following global zone CSI. [Learn more...](#)
 - A new global zone CSI
 - The source global zone CSI
 - Another existing global zone CSI
- Replace an existing software instance, and connect the new instance to the existing...

Select "LOCAL" for the Target System

Select the system where the target software instance will reside.

* Target system:

Select...

Then click OK

OK

Cancel

**Step 4: Check for
Missing SYSMODs**

Step 4: Check for Missing SYSMODs

You need to know if there will be any missing SYSMODs where you are deploying to. You'll do that now.

Follow the checklist, click on
"Check for missing SYSMODs"

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
✓	3. Select the objective for this deployment.
→	4. Check for missing SYSMODs. <ul style="list-style-type: none">View missing SYSMOD reports.
	5. Configure this deployment.
	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

Close

Step 4a: Welcome

Checking for missing SYSMODs invokes a wizard. You will identify other software instances that will run on the same system, or in the same multisystem environment. You will also identify software instances that are being replaced so we can check for possible regressions.

IBM z/OS Management

Welcome x

Software Management

Check for Missing SYSMODs

Welcome

Select Reports

Get HOLDDATA

Summary

Use this wizard to generate reports for software instances or any related software instance.

This wizard guides you through the following steps:

- Select the reports to generate, and select the software instances to include.
- Confirm that you received the latest HOLDDATA.
- Review your selections, and generate the reports.

< Back Next > Finish Cancel

After reading, click Next

Step 4b: Select Reports to Generate

Check for Missing SYSMODs

- ✓ Welcome
- ➔ **Select Reports**
- Get HOLDDATA
- Summary

Select the Reports to Generate

Select the reports that you want this wizard to generate.

Requisite SYSMODs and Fix Categories reports.

The Requisite SYSMODs report will identify potential software compatibility issues (missing SYSMODs) for software instances that will share resources with, will be migrated to, or will satisfy the dependencies of the target software instance.

[Learn more...](#)

The fix categories report will identify missing SYSMODs for the software instance types and fix category combinations listed in the table below.

[Learn more...](#)

Fix Categories Checked by Software Instance Type

Software Instance Type	Fix Categories to be Checked
Source	
Shared Resources	
Satisfies Dependencies	

Regressed SYSMODs and HOLDDATA Delta reports.

< Back **Next >** Finish Cancel

Note: Both Requisite and Regression reports are optional, but recommended

Ensure both "Requisite SYSMODs and Fix Categories reports" and "Regressed SYSMODs and HOLDDATA Delta reports" are selected, then click Next

Step 4b: Select Reports to Generate ...

You now have to select the software instances that share resources or will be used with the deployed software instance. To do that you will filter the list of software instances.

The screenshot displays the IBM z/OS software management interface. A 'Build Filter' pop-up window is open, allowing users to filter software instances. The window includes a 'Match' dropdown set to 'All rules' and a 'Match case' checkbox. Under the 'Rules' section, a rule is defined with 'Name' as the field, 'contains' as the operator, and 'Select or type' as the value. A yellow callout points to the 'Filter' button in the pop-up window. The background interface shows a sidebar with navigation options like 'Welcome', 'Select Reports', and 'Requisite SYSMODs', and a main area with a table of software instances.

Click on Filter (under Name) to get the Build Filter Pop-up window

Step 4b.1: Requisite SYSMODs

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Check for Missing SYSMODs

Check for Missing SYSMODs

- Welcome
- Select Reports
- ➔ Requisite SYSMODs
- Regressed SYSMODs
- Select Zones to Compare
- Get HOLDDATA
- Summary

Requisite SYSMODs and Fix Categories Reports: Select Software

Build Filter

Match: All rules Match case

Rules

Name: [dropdown] contains: [dropdown]

[+]

master| [X] [minus]

- MASTER_SMPEV3.6_WITHOUT_PTFS
- MASTER_ZOSV1.12
- MASTER_zOS_R13_w/Other_Product

[Filter] [Clear] [Close]

Refresh Last refresh: Sep 30, 2015, 7:17:02 PM

< Back Next > Finish Cancel

sources with or be migrated

Global Zone CSI Filter

ZOSMF.SWDEPLOY.GLOE

Enter "Master" to only display the *MASTER* software instances
Note: It is not case sensitive unless you select the "Match Case" option

Then click Filter

Step 4b.1: Requisite SYSMODs ...

Now, you will tell Software Deployment for this deployment which software instances will share resources with the newly deployed software instance

Welcome x

Software Management > Deployments > Deployment Checklist > Check for Missing SYSMODs Help

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ➔ **Requisite SYSMODs**
- Regressed SYSMODs
- Select Zones to Compare
- Get HOLDDATA
- Summary

Requisite SYSMODs and Fix Categories Reports: Select Software Instances

Select the software instances to include resources with, will be migrated to, or will share resources with.

Source software instance: MASTER_SMPEV3.6_WITHOUT_PTFs

Shares Resources: Select the software instances to share resources with to the target software instance.

Software Instances

Actions ▾

↔ 3 of 4 items shown. Clear filters

<input type="checkbox"/>	Name	System Filter	Messages Filter	Description Filter	Activity Filter	Global Zone C
<input type="checkbox"/>	contains "master"					
<input checked="" type="checkbox"/>	MASTER_ZOSV1.12	LOCAL		contains the SMP/E V3.6 product without any PTFs.		
<input type="checkbox"/>				Source Software Instance for		

Total: 3 Selected: 2

Last refresh: Sep 30, 2015, 7:17:02 PM

Select ONLY the following Software Instances

- MASTER_SMPEV3.6_WITHOUT_PTFs
- MASTER_ZOSV1.12

Then scroll down to select software instances that Satisfies Dependencies

Step 4b.1: Requisite SYSMODs ...

IBM z/OS Management Facility Welcome shara11 ? IBM

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Check for Missing SYSMODs Help

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ➔ **Requisite SYSMODs**
- Regressed SYSMODs
- Select Zones to Compare
- Get HOLDDATA
- Summary

Requisite SYSMODs and Fix Categories Reports: Select Software Instances

Select the software instances to include in the resources with, will be migrated to, or will satisfy dependencies.

Source software instance: MASTER_SMPEV3.6_WITHOUT_PTFs on system

Satisfies Dependencies: Select the software instances that will be migrated to, or will satisfy dependencies, which the new target software instance has dependencies.

Software Instances

Actions ▾

↔ No filter applied

<input type="checkbox"/>	Name Filter	System Filter	Messages Filter	Description Filter	Activity Filter	Global Zone CSI Filter
<input type="checkbox"/>	MASTER_SMPEV3.6_WITHOUT_F	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL

Total: 4 Selected: 0

Last refresh: Sep 30, 2015, 7:17:02 PM

Same thing, now for "Satisfies Dependencies"

Click on Filter (under Name)

Step 4b.1: Requisite SYSMODs ...

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ➔ Requisite SYSMODs
- Regressed SYSMODs
- Select Zones to Compare
- Get HOLDDATA
- Summary

Requisite SYSMODs and Fix Categories Reports: Select Softw

Build Filter

Match Match case

Rules

Name contains



master|
MASTER_SMPEV3.6_WITHOUT_PTFS
MASTER_ZOSV1.12
MASTER_zOS_R13_w/Other_Product

Filter

Clear

Close

Refresh

Last refresh: Sep 30, 2015, 7:17:02 PM

< Back

Next >

Finish

Cancel

Enter "Master" to only display the *MASTER* software instances
Note: It is not case sensitive unless you select the "Match Case" option

Then click Filter

Step 4b.1: Requisite SYSMODs ...

Now, you will tell Software Deployment for which software instances may have dependencies caused by the newly deployed software instance.

Select ONLY the following Software Instances

- MASTER_SMPEV3.6_WITHOUT_PTFS
- MASTER_ZOSV1.12

- Welcome
- Select Reports
- ➔ Requisite SYSMODs
- Regressed SYSMODs
- Select Zones to Compare
- Get HOLDDATA
- Summary

Requisite SYSMODs and Fix Categories

Select the software instances to include in the Requisite resources with, will be migrated to, or will satisfy the

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on sys

Satisfies Dependencies: Select the software instances that contain the new target software instance has dependencies.

Software Instances

Actions				
Name	Messages Filter	Description Filter	Activity Filter	Global Zone CSI Filter
<input type="checkbox"/> Name contains "master"				
<input checked="" type="checkbox"/> MASTER_ZOSV1.12	LOCAL	product without any PTFS.		ZOSMF.SWDEPLOY.GLOBAL

Total: 3 Selected: 2

Refresh

Last refresh: Sep 30, 2015, 7:17:02 PM

Then click Next

< Back

Next >

Finish

Cancel

Step 4b.2: Regressed SYSMODs

This is the currently executing (or prior) level of the software instance that you are replacing with the software instance deployed in the Lab.

Select ONLY the MASTER_SMPEV3.6_WITHOUT_PTFS software instance

Software Management > Deployments > Deployment Check > Check for Missing SYSMODs

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ✓ Requisite SYSMODs
- ➔ **Regressed SYSMODs**
- Select Zones to Compare
- Get HOLDDATA
- Summary

Regressed SYSMODs

Select the software instance to include in the Regressed SYSMODs reports. These reports will identify SYSMODs that will be lost, undone, or regressed when you migrate to the target software instance, and will identify SYSMODs that will be lost, undone, or regressed when you migrate to the target software instance.

Source software instance: MASTER_SMPEV3.6_WITHOUT_PTFS

Select the software instance that will be migrated to the target software instance. The software instance you select is referred to as the prior-level software instance.

Software Instances

Name Filter	System Filter	Messages Filter	Description Filter	Activity Filter	Global Zone CSI Filter	T F
No filter applied						
<input checked="" type="radio"/>	MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	T

Total: 4 Selected: 1

Refresh

Last refresh: Sep 30, 2015, 7:17:02 PM

Then click Next

< Back

Next >

Finish

Cancel

Step 4b.3: Select Zones to Compare

You are picking the target zone of the software instance that you are going to deploy (SMP/E V3.6 with PTFs)...

1. Select the one target zone TSMP36P
2. Click on Actions, and then Select Zones

IBM z/OS Management Center

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ✓ Requisite SYSMODs
- ✓ Regressed SYSMODs
- ➔ **Select Zones to Compare**
- Get HOLDDATA
- Summary

Select the Zones to Compare

To identify SYSMODs that will be regressed, z/OS... target zones to compare. Use the **Select Zones** action in the **Actions** menu to select the prior-level target zones to compare with the corresponding source... **Prior-Level Target Zones** column is blank, the corresponding source target zone will not be included in the check.

Source software instance: MASTER... WITH_PTFs on system LOCAL
Prior-level software instance: MASTER... 6_WITHOUT_PTFs on system LOCAL

Target Zones to be Compared

	Prior-Level Target Zones

Total: 1 Selected: 1

< Back Next > Finish Cancel

Step 4b.3: Select Zones to Compare ...

... to compare it to the target zone of what you are replacing with this deployment (SMP/E V3R6 without PTFs)

Select TSMP36

The screenshot shows the 'Select the Zones to Compare' dialog box in the IBM z/OS Management Facility. The dialog is titled 'Select the Zones to Compare' and contains the following information:

- Source software Instance: MASTER_SMP36_WITH_PTFs
- Prior-level software Instance: MASTER_SMP36_WITHOUT_PTFs
- Target Zones to be Compared:
- Actions: No filter applied
- Table with columns: Source Target Zone, Prior-Level Target Zone
- Table content:

Source Target Zone	Prior-Level Target Zone
<input checked="" type="checkbox"/> TSMP36	
- Compare section with a checked box for 'TSMP36'.
- Total: 1 Selected: 1
- Buttons: OK, Cancel, Help

A yellow callout box points to the 'TSMP36' row in the table, and another yellow callout box points to the 'OK' button.

Step 4b.3: Select Zones to Compare ...

Almost done with the definitions, then you'll be able to view the results.

IBM Z/OS Management console interface showing the 'Check for Missing SYSMODs' wizard. The current step is 'Select the Zones to Compare'.

Select the Zones to Compare

To identify SYSMODs that will be regressed, z/OSMF needs to know which target zones to compare. Use the **Select Zones** action in the **Actions** menu to select the prior-level target zones to compare with the corresponding source target zone. If the **Prior-Level Target Zones** column is blank, the corresponding source target zone will not be included in the check.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL
Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL

Target Zones to be Compared

Actions	
No filter applied	
<input checked="" type="checkbox"/> Source Target Zone	Prior-Level Target Zones
<input checked="" type="checkbox"/> TSMP36P	TSMP36

Total: 1 Selected: 1

Navigation buttons: < Back, Next >, Finish, Cancel

Callout: After reading, click Next

Step 4c: Get HOLDDATA

It's important to read this, and follow what it says so that you have the latest HOLDDATA for the reports. Prior to the conference, IBM has already SMP/E RECEIVED the HOLDDATA needed for the lab.

IBM z/OS

Welcome x

Software Management ▶ Deployments ▶ Deployment Checklist ▶ Check for Missing SYSMODs Help

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ✓ Requisite SYSMODs
- ✓ Regressed SYSMODs
- ✓ Select Zones to Compare
- ➔ **Get HOLDDATA**
- Summary

Get HOLDDATA

To ensure that your environment is up-to-date, use SMP/E to receive the most current ERROR and FIXCAT HOLDDATA into the global zones that manage the software instances you selected. Doing so reduces the likelihood that required SYSMODs and HOLDDATA will be omitted from the reports.

Global zones that manage the selected software instances:
ZOSMF.SWDEPLOY.GLOBAL.CSI on system LOCAL

Before clicking **Finish** to generate the reports, it is highly recommended that you receive the latest ERROR and FIXCAT HOLDDATA into the global zone for each selected software instance.

< Back **Next >** Finish Cancel

After reading, click Next

Step 4d: Summary

Review what you've specified for this Deployment.

IBM z/OS Management Center

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Check for Missing SYSMODs

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
- ✓ Requisite SYSMODs
- ✓ Regressed SYSMODs
- ✓ Select Zones to Compare
- ✓ Get HOLDDATA
- ➔ **Summary**

Summary

Review your selections. To make changes, return to the appropriate page by clicking **Back**. When you are ready to perform the checks and generate the reports, click **Finish**.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Requisite SYSMODs and Fix Categories Reports: Selected Software Instances

Shares Resources

Software Instance	System
MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL
MASTER_ZOSV1.12	LOCAL

Satisfies Dependencies

Software Instance	System
MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL
MASTER_ZOSV1.12	LOCAL

Regressed SYSMODs and HOLDDATA Delta Reports: Selected Software Instances

Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL

Target Zones to be Compared

Source	Target Zone	Prior-Level	Target Zones
TEMP26D		TEMP26	

< Back Next > **Finish** Cancel

After reading, click Finish (or Back to make changes)

Step 4d: Check for Missing SYSMODs

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Check for Missing SYSMODs

Check for Missing SYSMODs

- ✓ Welcome
- ✓ Select Reports
 - ✓ Requisite SYSMODs
 - ✓ Regressed SYSMODs
 - ✓ Select Zones to Compare
- ✓ Get HOLDDATA
- ➔ Summary

Summary

Review your selections. To make changes, return to the appropriate page by clicking **Back**. When you are ready to perform the checks and generate the reports, click **Finish**.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Requisite SYSMODs and Fix Categories Reports: Selected Software Instances

Shares Resources

Software Instance
MASTER_SMPEV3.6_WITH_PTFS
MASTER_ZOSV1.12

Satisfies Dependence

Software Instance	System
MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL
MASTER_ZOSV1.12	LOCAL

Regressed SYSMODs and HOLDDATA Delta Reports: Selected Software

Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL

Target Zones to be Compared

Source Target Zone	Prior-Level Target Zones
TCMP26D	TCMP26E

Generating the missing SYSMOD reports. This request might take several minutes to complete.

Cancel

< Back Next > Finish Cancel

Pop-up window to alert you that this might take a few minutes, and allow you to cancel

Step 4e.1: View Missing SYSMODs Report

Your Missing SYSMOD report results are displayed. Keep in mind that this data was created for this Lab so that you could see data on all the different types of reports. It's just an example.

IBM z/OS M... IBM

Welcome x Software Manage... x

Software Management ▶ Deployments ▶ Deployment Checklist ▶ View Missing SYSMOD Reports Help

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs Fix Categories Regressed SYSMODs HOLDDATA Delta

Review the list of missing SYSMODs. Use SMP/E... pending target zones. If you do not apply the fixes, the software instance might not operate properly in the target environment.

Source software ins...

Missing SYSMODs

Actions

No filter applied

Software Instance Filter	Target Zone Filter	F MID (Description) Filter	Missing SYSMOD Filter	SYSMOD Received in Global Zone Filter	Causer SYSMOD Filter	Causer Software Instance Filter	Causer F MID (Description) Filter
MASTER_ZOSV1.12 on system LOCAL	TGTZ12	HBB7770 (BCP Base)	UABCPTF	No	UAPTF01	MASTER_SMPEV3.6_WITH on system LOCAL	HMP1J00 (SMP/E Base)
MASTER_ZOSV1.12 on system LOCAL	TGTZ12	HMP1H00 (SMP/E Base)	UASMPTF	No	UAPTF01	MASTER_SMPEV3.6_WITH on system LOCAL	HMP1J00 (SMP/E Base)

Total

Close

After reviewing the missing requisites, click on Fix Categories

You identified that the software instance being deployed will share resources with z/OS V1.12. The display identifies required requisite fixes needed on the z/OS V1.12 system.

Don't click close until you've opened all the tabs above

Step 4e.2: View Missing SYSMODs Report ...

After reviewing the source software instance missing fixes, click on Shares Resources

IBM z/OS Management Center

Welcome x Software Manage... x

Software Management > Deployments > D... ing SYSMOD Reports Help

View Missing SYSMOD Report

Last Generated: Sep 30, 2015, 7:55:14

Requisite SYSMODs **Fix Category** Addressed SYSMODs HOLDDATA Delta

Review the list of missing SYSMODs to determine which fixes are critical for your installation. Use SMP/E to apply the fixes to the corresponding target zones.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Source Shares Resources Satisfies Dependencies

Missing SYSMODs

Actions

No filter applied

Software Instance	Target Zone	Fix Category	FMID (Description)	Missing SYSMOD	SYSMOD Received in Global Zone
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36P	IBM.Device.Server.z114	HMP1J00 (SMP/E Base)	UASRVR1	No
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36P	IBM.Device.Server.z196	HMP1J00 (SMP/E Base)	UASRVR1	No
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36P	IBM.TargetSystem-RequiredService.z/OS	HMP1J00 (SMP/E Base)	UATARG1	No

Total: 4

Close

Missing requisite fixes for the source software instance are displayed

Don't click close until you've opened all the tabs above

Step 4e.3: View Missing SYSMODs Report ...

After reviewing the Shares Resources missing fixes, click on Satisfies Dependencies

IBM z/OS Mana

Welcome x Software Manage... x

Software Management > Deployments > Deployments > SYSMOD Reports Help

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs **Fix Categories** SYSMODs HOLDDATA Delta

Review the list of missing SYSMODs, and determine which fixes are critical for your installation. Use SMP/E to apply the fixes to the corresponding target zones.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Source **Shares Resources** Satisfies Dependencies

Missing SYSMODs

Actions

No filter applied

Software Instance	Target Zone	Fix Category	F MID (Description)	Missing SYSMOD	SYSMOD Received in Global Zone
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36	IBM.Coexistence.z/OS.\	HMP1J00 (SMP/E Base)	UACOE2	No
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36	IBM.Coexistence.z/OS.\	HMP1J00 (SMP/E Base)	UACOE2	No
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36	IBM.Coexistence.z/OS.\	HMP1J00 (SMP/E Base)	UACOE2	No

Close

The report shows missing requisite fixes for the two software instances that you identified will share resources with the target software instance.

Don't click close until you've opened all the tabs above

Step 4e.4: View Missing SYSMODs Report ...

After reviewing the Satisfies Dependencies missing fixes, click on Regressed SYSMODs

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > SYSMOD Reports

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs **Fix Categories** Regressed SYSMODs HOLDDATA Delta

Review the list of missing SYSMODs, and determine which fixes are critical for your installation. Use SMP/E to apply the fixes to the corresponding target zones.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Source Shares Resources **Satisfies Dependencies**

Missing SYSMODs

Actions

No filter applied

Software Instance	Target Zone	Fix Category	F MID (Description)	Missing SYSMOD	SYSMOD Received in Global Zone
MASTER_SMPEV3.6_WITH on system LOCAL	TSMP36	IBM.TargetSystem-RequiredService.z/OS.	HMP1J00 (SMP/E Base)	UATARG1	No

To

Close

Don't click close until you've opened all the tabs above

Step 4e.5: View Missing SYSMODs Report ...

After reviewing the Regressed SYSMODS, click on HOLDDATA Delta

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > View Missing SYSMODs

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs Fix Categories **Regressed SYSMODs** HOLDDATA Delta

Review the list of SYSMODs that will be regressed when you deploy the source software instance. Determine which SYSMODs are critical for your installation, and use SMP/E to apply the SYSMODs to the corresponding target zones in the source instance.

Source software instance: MASTER_SMPEV3.6_WITH_PTFs on system LOCAL
Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFs on system LOCAL

Missing SYSMODs

Actions

No filter applied

FMID (Description)	Missing SYSMOD	Type	Target Zone in Source	Target Zone in Prior-Level	SYSMOD Received in Global Zone
HMP1J00 (SMP/E Base)	LOCMOD1	USERMOD	TSMP36P	TSMP36	Yes
HMP1J00 (SMP/E Base)	OAMISS1	USERMOD	TSMP36P	TSMP36	Yes

Total: 2

Close

Don't click close until you've opened all the tabs above

Step 4e.6: View Missing SYSMODs Report ...

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > View Missing SYSMODs

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs Fix Categories Regressed SYSMODs

Review the HOLDDATA found in the source software instance. Determine which holds are critical for your installation. Then, select **View ++HOLD DATA** from the Actions menu and complete the steps included in the **++HOLD DATA** column.

Source software instance: MASTER_SMPPE...PTFS on system LOCAL
Prior-level software instance: MASTER_P...WITHOUT_PTFS on system LOCAL

HOLDDATA

Actions

No filter applied

<input type="checkbox"/>	Type	Reason ID	FMID	SYSMOD	Messages
<input type="checkbox"/>	SYSTEM	ACTION	HBCNC00	UO01301	
<input type="checkbox"/>	SYSTEM	IPL	HBCND0B	UR53091	

Click to select all Types and REASON IDs

The display shows two PTFs that have SYSTEM HOLDDATA.

Total: 2 Selected: 0

Don't click close until you've opened all the tabs above

Close

Step 4e.6: View Missing SYSMODs Report ...

Welcome x Software Manage... x

Software Management ▶ Deployments ▶ Deployment Checklist ▶ View Missing SYSMOD Reports

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs Fix Categories Regressed SYSMODs **HOLDDATA Delta**

Review the HOLDDATA found in the source software instance and complete the steps included in the ++HOLD DATA column

Click on Actions and View ++HOLDDATA

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on syst...
Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on syst...

HOLDDATA

- Actions
- View ++HOLD DATA
 - Select All
 - Deselect All
 - Configure Columns...
 - Hide Filter Row
 - Clear Sorts
 - Export Table Data ▶
 - Print Table Data ▶

Reason ID	F MID	SYSMOD	Messages
...	HBCNC00	UO01301	
...	HBCND0B	UR53091	

Don't click close until you've opened all the tabs above

Total: 2 Selected: 2

Close

Step 4e.6: View Missing SYSMODs Report ...

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > View Missing S

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs Fix Categories Regressed SYSMODs **HOLDDATA**

Review the HOLDDATA found in the source software instance, but not in the prior-level instance. These statements are critical for your installation. Then, select **View ++HOLD DATA** from the Actions menu and complete the steps included in the ++HOLD DATA column.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL
Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL

HOLDDATA

Actions

No filter applied

<input checked="" type="checkbox"/>	Type Filter	Reason ID Filter			
<input checked="" type="checkbox"/>	SYSTEM	ACTION	HBCNC00	UO01301	
<input checked="" type="checkbox"/>	SYSTEM	IPL	HBCND0B	UR53091	

Total: 2 Selected: 2

Close

Pop-up window to alert you that this might take a few minutes, and allow you to cancel

Retrieving the ++HOLD statements. This request might take several minutes to complete.

Cancel

Don't click close until you've opened all the tabs above

Step 4e.6: View Missing SYSMODs Report ...

HOLDDATA text is displayed, you can filter by Type, Reason ID, FMID, even SYSMOD

IBM z/OS Management Faci

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > View Missing SYSMOD Reports > View ++HOLD

Help

View ++HOLD DATA

HOLDDATA

Actions ▾

↔ No filter applied

++HOLD DATA Filter	Type Filter	Reason ID Filter	FMID Filter
<pre>++ HOLD(UO01301) SYS FMID(HBB7780) REASON(ACTION) DATE(12016) COMMENT (***** * FUNCTION AFFECTED: SMP/E * ***** * DESCRIPTION : Other * ***** * TIMING : Post-APPLY * ***** Installation of this PTF installs the SMP/E Planning and Migration Assistant Information Base. If you have your own copy of the Information Base it may be at a higher level. After APPLY of this PTF, you should re-install your local Information Base usermod, if it is if it is at a higher level than this PTF.).</pre>	SYSTEM	ACTION	HBCNC00
<pre>++ HOLD(UR53091) SYS FMID(HBCND0B) REASON(IPL) DATE(12016) COMMENT (*****</pre>	SYSTEM	IPL	HBCND0B

Total: 2

Review entries and Click Close

Close

Step 4e.6: View Missing SYSMODs Report ...

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > View Missing SYSMOD Reports

View Missing SYSMOD Reports

Last Generated: Sep 30, 2015, 7:55:14 PM (Local)

Requisite SYSMODs Fix Categories Regressed SYSMODs **HOLDDATA Delta**

Review the HOLDDATA found in the source software instance, but not in the prior-level instance. Determine which holds are critical for your installation. Then, select **View ++HOLD DATA** and complete the steps included in the **++HOLD DATA** column.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL
Prior-level software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL

HOLDDATA

Actions

No filter applied

<input checked="" type="checkbox"/>	Type Filter	Reason ID Filter	F MID Filter	SYSMOD Filter	Messages Filter
<input checked="" type="checkbox"/>	SYSTEM	ACTION	HBCNC00	UO01301	
<input checked="" type="checkbox"/>	SYSTEM	IPL	HBCND0B	UR53091	

Click Close, you are done looking at the reports.

Total: 2 Selected: 2

Close

Please note that once you close and complete this step (View Missing SYSMOD Reports) you will be able to come back and view the reports at any time.

Step 5: Configure your deployment

Step 5: Configure the Deployment

Configuring the deployment involves specifying the volume, data set names, catalog, for the target software instance.

Follow the checklist,
Click on Configure this deployment

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deploy

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
✓	3. Select the objective for this deployment.
✓	4. Check for missing SYSMODs. <ul style="list-style-type: none">View missing SYSMOD reports
➔	5. Configure this deployment.
	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

Close

Step 5a: Welcome

Configuring your deployment invokes another wizard to step you through the process.

IBM z/OS Management Console

Welcome x Software Manage...

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTF

Welcome

Use this wizard to configure the data set names, catalogs, volumes, mount points, and SMP/E zones to be used for the target software instance.

This wizard guides you through the following steps:

1. Indicate whether this deployment should copy the distribution zones and distribution libraries (DLIBs) that are associated with the source software instance.
2. Select the software instance to use as a model for configuring the target software instance.
3. Specify the SMP/E zone names to use.
4. Specify the data set names to use, and assign the data sets to a volume or storage class.
5. Assign each data set prefix to a catalog.
6. Ensure that the volumes and storage classes have enough space to store the target software instance.
7. Specify the mount point to use for each UNIX file system data set that will be included in the target software instance.

After reading, click Next

< Back **Next >** Finish Cancel

Step 5b: Want DLIBs?

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ➔ **DLIBs**
- Model
- SMP/E Zones
- Data Sets
- Catalogs
- Volumes and Storage Classes
- Mount Points

DLIBs

Indicate whether you want this deployment to copy the distribution zones and the distribution libraries (DLIBs) that are associated with the source software instance.

Do you want to copy the distribution zones and libraries associated with the source software instance?

Yes

No

By default the distribution zones and libraries associated with the source software instance should be copied

< Back Next > Finish Cancel

Step 5b: Want DLIBs?

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ➔ **DLIBs**
- Model
- SMP/E Zones
- Data Sets
- Catalogs
- Volumes and Storage Classes
- Mount Points

DLIBs

Indicate whether you want this deployment to copy the distribution zones and the distribution libraries (DLIBs) that are associated with the source software instance.

Do you want to copy the distribution zones and libraries associated with the source software instance?

- Yes
- No

For this Lab, select "No" to not copy DLIBs

Then click Next

Step 5c: Model

Do you want to make this deployment look like the software instance it came from, or some other software instance? You can model the information so there is less to enter.

By default the source software instance is used as a model to configure the target software instance

Model

Select the software instance to use as a model for configuring the target software instance. z/OSMF uses the data sets, volumes, mount points, catalogs, and SMP/E zones associated with the selected software instance to determine the corresponding values for the target software instance.

Select the software instance to use as a model.

- The source software instance
- Another existing software instance

Review then click Next

< Back

Next >

Finish

Cancel

Step 5c: Model ...

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ➔ **Model**
- SMP/E Zones
- Data Sets
- Catalogs
- Volumes and Storage Classes
- Mount Points

Model

Select the software instance to use as a model for configuring the target software instance. z/OSMF uses the data sets, volumes, mount points, catalogs, and SMP/E zones that associated with the model to prime the corresponding values for the target software instance.

Select the software instance to use as a model.

- The source software instance
- Another existing software instance

* Collecting data to prime the target software instance. This request might take several minutes to complete. Note that no changes are occurring on the target system.

Cancel

Pop-up window to alert you that this might take a few minutes, and allow you to cancel

< Back

Next >

Finish

Cancel

Step 5d: SMP/E Zones

Since your deployment objective is to create a new GLOBAL zone, you do **NOT** have to rename the target zone. However, you will as part of the lab.

IBM z/OS Manager

Welcome x Software Management

Software Management > Deployments > Dep

Configure Deployment for MASTER_SMPEV3.0_...

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ➔ **SMP/E Zones**
- Data Sets
- Catalogs
- Volumes and Storage Classes
- Mount Points

SMP/E Zones

The Zones table lists the names that will be used for the SMP/E zones included in the software instance. Accept the default names, or modify the values. To modify a table cell, double click an editable cell, or select it and press **Enter**. To exit an editable cell and preserve your changes, click outside of the cell or press **Enter**.

Zones

Actions ▾

↔ No filter applied

Target Target Zone Filter	Messages Filter	Source Target Zone Filter
<input type="text" value="TSMP36F"/>		TSMP36P

Total: 1

< Back Next > Finish Cancel

Step 5d: SMP/E Zones ...

Reminder: this will be the name of the SMP/E target zone for the software instance (SMP/E V3R6 with PTFs) after it is deployed.

After double clicking the Target Target Zone name, change the target zone name to TSMP36N.
Note: It does not have to be case sensitive

Then click Next

IBM z/OS M...

Welcome x

Software Management > Deployments > Deploy

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFs

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ➔ **SMP/E Zones**
- Data Sets
- Catalogs
- Volumes and Storage Classes
- Mount Points

SMP/E Zones

The Zones table lists the names that will be used for the SMP/E zones included in the target software instance. Accept the default names, or modify the values. To modify the table cell, double click an editable cell, or select it and press **Enter**. To exit an editable cell and preserve your changes, click outside of the cell or press **Enter**.

Zones

Actions ▾

↔ No filter applied

Target Target Zone Filter	Message	Source Target Zone Filter
TSMP36N		TSMP36P

Total: 1

< Back Next > Finish Cancel

Step 5e: Data Sets

The list of data sets to be deployed is displayed.
Please note that this list is dynamically built
based on entries in the zones being deployed

Welcome

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ➔ Data Sets
- Catalogs
- Volumes and Storage Classes
- Mount Points

Data Sets

The Data Sets table lists the names, volumes, and storage classes that will be used for the data sets included in the target software instance. Accept the default names, volumes, and storage classes, or use the **Modify** action to modify them.

Click on Filter (under Target Volume)

Data Sets

Actions ▾

➔ No filter applied

<input type="checkbox"/>	Target Data Set Name Filter	Target Volume Filter	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source Volume Filter
<input type="checkbox"/>	SMPE36P.GIM.MACLIB	SH PUB2			SMPE36P.GIM.MACLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.MIGLIB	SH PUB2			SMPE36P.GIM.MIGLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.NONSMP.DATA	SH PUB2			SMPE36P.GIM.NONSMP.DATA	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SAMPLIB	SH PUB2			SMPE36P.GIM.SAMPLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SGIMCLS0	SH PUB2			SMPE36P.GIM.SGIMCLS0	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SGIMLMD0	SH PUB2			SMPE36P.GIM.SGIMLMD0	SH PUB2

Total: 19 Selected: 0

< Back

Next >

Finish

Cancel

Step 5e: Data Sets ...

You are going to put some data sets on a different volume for this deployment. Let's use a filter to find those data sets...

Enter SHPUB2

Note: Note: It is not case sensitive unless you select the "Match Case" option

Build Filter

Match Match case

Rules

Target Volume

Then click Filter

Total: 19 Selected: 0

Step 5e: Data Sets ...

Configure Deployment for MASTER_SMPEV3.6_WITH_PTES

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ➔ **Data Sets**

- Catalogs
- Volumes and Storage Classes
- Mount Points

Data Sets

The Data Sets table lists the names, volumes, and storage classes, or use the **Modify** action to modify the data sets included in the target software instance. Accept the default names, volumes, and storage classes, or use the **Modify** action to modify the data sets included in the target software instance.

Click to select all filtered data sets

Data Sets

Actions ▾

16 of 10 shown. Clear filter

<input type="checkbox"/>	Target Data Set Name Filter	Target Volume contains "shpub2"	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source Volume Filter
<input type="checkbox"/>	SMPE36P.GIM.MACLIB	SH PUB2			SMPE36P.GIM.MACLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.MIGLIB	SH PUB2			SMPE36P.GIM.MIGLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.NONSMP.DATA	SH PUB2			SMPE36P.GIM.NONSMP.DATA	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SAMPLIB	SH PUB2			SMPE36P.GIM.SAMPLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SGIMCLS0	SH PUB2			SMPE36P.GIM.SGIMCLS0	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SGIMLMD0	SH PUB2			SMPE36P.GIM.SGIMLMD0	SH PUB2

Total: 16 Selected: 0

< Back Next > Finish Cancel

Step 5e: Data Sets ...

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ➔ **Data Sets**
- Catalogs
- Volumes and Storage Classes
- Mount Points

Data Sets

The Data Sets table lists the names, volumes, and storage classes, or use the **Modify** action to modify default names, volumes, and storage classes.

Click on Actions, and then Modify

Data Sets

Actions

- Modify
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Sorts
- Export Table Data
- Print Table Data

	Target Volume contains "shpub2"	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source Volume Filter
<input type="checkbox"/>	SH PUB2			SMPE36P.GIM.MACLIB	SH PUB2
<input type="checkbox"/>	SH PUB2			SMPE36P.GIM.MIGLIB	SH PUB2
<input type="checkbox"/>	SH PUB2			SMPE36P.GIM.NONSMP.DATA	SH PUB2
<input checked="" type="checkbox"/>	SH PUB2			SMPE36P.GIM.SAMPLIB	SH PUB2
<input checked="" type="checkbox"/>	SH PUB2			SMPE36P.GIM.SGIMCLS0	SH PUB2
<input checked="" type="checkbox"/>	SH PUB2			SMPE36P.GIM.SGIMLMD0	SH PUB2

Total: 16 Selected: 16

< Back Next > Finish Cancel

Step 5e: Data Sets ...

The list of selected data sets to be modified is displayed. You are deploying some data sets from volume SHPUB2 to SHRESA.

Select Volume, rather than Storage Class

Then, change the volume to SHRESA
Note: It does not have to be case sensitive

Once the changes have been made, click OK

The screenshot shows the 'Modify Data Sets' interface in IBM z/OS Management Center. The page title is 'Modify Data Sets' and the breadcrumb trail is 'Software Management > Deployments > Deployment Checklist > Configure Deployment > Modify'. The 'Common data set qualifiers' section shows 'From: SMPE36P' and 'To: SMPE36P'. The 'Sample data set name' is 'SMPE36P.GIM.MACLIB'. The 'Select or type the volume or storage class to use for the selected data sets.' section has 'Volume' selected and 'SHresa' entered in the input field. The 'Selected Data Sets' table shows 16 items with a filter on 'Target Volume' containing 'shpub2'. The table columns are 'Target Data Set Name', 'Target Volume', 'Target Storage Class', and 'Messages Filter'. The 'OK', 'Reset', and 'Cancel' buttons are at the bottom.

Target Data Set Name	Target Volume	Target Storage Class	Messages Filter
SMPE36P.GIM.MACLIB	SHPUB2		
SMPE36P.GIM.MIGLIB	SHPUB2		
SMPE36P.GIM.NONSMP.DATA	SHPUB2		
SMPE36P.GIM.SAMPLIB	SHPUB2		
SMPE36P.GIM.SGIMCLS0	SHPUB2		

Step 5e: Data Sets ...

The list of selected data sets was modified to reflect the target volume of SHRESA.

Let's clear the Target Volume filter by clicking on "Clear Filter"

And deselect all data sets by clicking on Actions and Deselect All

Data Sets

The Data Sets table lists the names, volumes, and storage classes, or use the **Modify** action to modify the data sets included in the target software instance. Accept the default names, volumes, and storage classes, or use the **Modify** action to modify the data sets included in the target software instance.

Actions	Volume	Storage Class	Target Volume	Target Storage Class
<input type="checkbox"/>	SHRESA			
<input type="checkbox"/>	SHRESA			
<input checked="" type="checkbox"/>	SMPE36P.GIM.SAMPLIB	SHRESA	SMPE36P.GIM.MIGLIB	SHPUB2
<input checked="" type="checkbox"/>	SMPE36P.GIM.SGIMCLS0	SHRESA	SMPE36P.GIM.NONSMP.DATA	SHPUB2
<input checked="" type="checkbox"/>	SMPE36P.GIM.SGIMLMD0	SHRESA	SMPE36P.GIM.SAMPLIB	SHPUB2
	SMPE36P.GIM.SGIMCLS0	SHRESA	SMPE36P.GIM.SGIMCLS0	SHPUB2
	SMPE36P.GIM.SGIMLMD0	SHRESA	SMPE36P.GIM.SGIMLMD0	SHPUB2

Total: 16 Selected: 16

< Back Next > Finish Cancel

Step 5e: Data Sets ...

The list of selected data sets was modified to reflect the target volume of SHRESA.

Click on the Filter under "Target Data Set Name"

IBM Z/OS management console interface showing the configuration for data sets. The page title is "Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS". The left sidebar shows a navigation menu with "Data Sets" selected. The main content area displays a table of data sets with columns: Target Data Set Name, Target Volume, Target Storage Class, Messages Filter, Source Data Set Name, and Source V Filter. The "Target Data Set Name" column is highlighted in blue, and a yellow callout points to the "Filter" link in the header. The table lists six data sets, all with "SHRESA" as the target volume. Below the table, it says "Total: 19 Selected: 0". At the bottom, there are navigation buttons: "< Back", "Next >", "Finish", and "Cancel".

<input type="checkbox"/>	Target Data Set Name Filter	Target Volume Filter	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source V Filter
<input type="checkbox"/>	SMPE36P.GIM.MACLIB	SHRESA			SMPE36P.GIM.MACLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.MIGLIB	SHRESA			SMPE36P.GIM.MIGLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.NONSMP.DATA	SHRESA			SMPE36P.GIM.NONSMP.DATA	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SAMPLIB	SHRESA			SMPE36P.GIM.SAMPLIB	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SGIMCLS0	SHRESA			SMPE36P.GIM.SGIMCLS0	SH PUB2
<input type="checkbox"/>	SMPE36P.GIM.SGIMLMD0	SHRESA			SMPE36P.GIM.SGIMLMD0	SH PUB2

Step 5e: Data Sets ...

Now that you've changed the volume for some data sets, let's change the volume for some other data sets. First, you've got to remove the filter you just set and create another

Enter "zosmf" to only display the data sets that contain "ZOSMF" anywhere in their name
Note: It is not case sensitive

The screenshot shows a 'Build Filter' dialog box with the following elements:

- Match:** A dropdown menu set to 'All rules' and a checkbox for 'Match case' which is unchecked.
- Rules:** A section with a 'Target Data Set Name' dropdown menu, a 'contains' dropdown menu, and a text input field containing 'zosmf'. A dropdown menu below the input field shows suggestions: 'ZOSMF.SWDEPLOY.GLOBAL.CSI', 'ZOSMF.SWDEPLOY.SMPE36P.ZFS', and 'ZOSMF.SWDEPLOY.TARGET.SMPE36P.CSI'.
- Buttons:** 'Filter', 'Clear', and 'Close' buttons at the bottom.

Then click Filter

Step 5e: Data Sets ...

You've found the data sets that you want to change.

IBM z/OS Management Facility

Welcome shara11

IBM

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Configure Deployment

Help

Configure Deployment for MASTER_SMPEV3.6_WITH_PTES

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones

➔ Data Sets

Catalogs
Volumes and Storage
Classes
Mount Points

Data Sets

The Data Sets table lists the names, volume
storage classes, or use the **Modify** action to

1. Click on Actions, and then Select All
2. Then click on Actions, and then Modify

Data Sets

Actions

Modify

Select All

Deselect All

Configure Columns...

Hide Filter Row

Clear Sorts

Export Table Data

Print Table Data

Clear filter

	Target Volume Filter	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source Volun Filter
L.CSI		SHARE		ZOSMF.SWDEPLOY.GLOBAL.CSI	SHR001
SP.ZFS		SHARE		ZOSMF.SWDEPLOY.SMPE36P.ZFS	SHR005
T.SMPE36P.CSI		SHARE		ZOSMF.SWDEPLOY.TARGET.SMPE36P.CSI	SHR005

Total: 3 Selected: 3

< Back

Next >

Finish

Cancel

Step 5e: Data Sets ...

You are changing the data set names, as well as changing the volume on which they reside.

Software Management > Deployments > Deployment Checklist > Configure Deployment > Modify

Modify Data Sets

Enter the data set name or qualifiers to use for the selected data sets.

Common data set qualifiers: From: ZOSMF.SWDEPLOY To: ZOSMF.SWDEPLOY.SHARA11
Example data set names: ZOSMF.SWDEPLOY.SHARA11.GLOBAL.CSI

First, add your Userid, SHARxnn, as the third level qualifier

Select or type the volume or storage class to use for the selected data sets.

Volume Storage class

Then select Volume, rather than Storage Class

SHRESB

Selected Data Sets

Actions

3 of 3 items shown. Clear filter

<input checked="" type="checkbox"/>	Target Data Set Name contains "zosmf"	Target Volume Filter
<input checked="" type="checkbox"/>	ZOSMF.SWDEPLOY.GLOBAL.CSI	
<input checked="" type="checkbox"/>	ZOSMF.SWDEPLOY.SMPE36P.ZFS	SHARE
<input checked="" type="checkbox"/>	ZOSMF.SWDEPLOY.TARGET.SMPE36P.CSI	SHARE

Next change the volume to SHRESB
Again, it does not have to be case sensitive

Total: 3 Selected: 3

Once the changes have been made, click OK

OK

Reset

Cancel

Step 5e: Data Sets ...

That's all the data set changes you'll do for this Lab. Notice that the target data set names now contain your third qualifier (e.g., SHARA11).
Now, on to catalog information!

- Welcome x
- So
- Soft
- Config
- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ➔ **Data Sets**
- Catalogs
- Volumes and Storage Classes
- Mount Points

The Data Sets ... added in the target software instance. Accept the default names, volumes, and storage classes, or use the **Modify** action to modify them.

Data Sets

Actions ▾

↻ 3 of 19 items shown. [Clear filter](#)

<input checked="" type="checkbox"/>	Target Data Set Name contains "zosmf"	Target Volume Filter	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source Volume Filter
<input checked="" type="checkbox"/>	ZOSMF.SWDEPLOY.SHARA11.GLOBAL.CSI	SHRESB			ZOSMF.SWDEPLOY.GLOBAL.CSI	SHR001
<input checked="" type="checkbox"/>	ZOSMF.SWDEPLOY.SHARA11.SMPE36P.ZFS	SHRESB			ZOSMF.SWDEPLOY.SMPE36P.ZFS	SHR005
<input checked="" type="checkbox"/>	ZOSMF.SWDEPLOY.SHARA11.TARGET.SMPI	SHRESB			ZOSMF.SWDEPLOY.TARGET.SMPE36P.CSI	SHR005

Total: 3 Selected: 3

Click Next

Step 5f: Catalogs

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ➔ **Catalogs**
- Volumes and Storage Classes
- Mount Points

Catalogs

The Target Data Set Name Prefixes table lists the catalogs where target data sets with the data set name prefixes will be cataloged. You can accept the default catalog or select different catalogs, or select not to catalog the corresponding data sets.

Target Data Set Name Prefixes

Actions ▾

↔ No filter applied

Prefix Filter	Messages
Collecting catalog information for the configuration. This request might take several minutes to complete.	
There is no data to display.	

Total: 0 Selected: 0

✳ Collecting catalog information for the configuration. This request might take several minutes to complete.

Cancel

Pop-up window to alert you that this might take a few minutes, and allow you to cancel

< Back Next > Finish Cancel

Step 5f: Catalogs ...

The list of data set name high level qualifiers (based on how you configured your deployment) are displayed

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ➔ **Catalogs**
- Volumes and Storage Classes
- Mount Points

Catalogs

The Target Data Set Name Prefixes table lists the catalogs where target data sets with the data set name prefixes will be cataloged. You can accept the default catalog assignment, select different catalogs, or select not to catalog the data sets.

Target Data Set Name Prefixes

Actions ▾

↔ No filter applied

<input type="checkbox"/>	Prefix Filter	New or Existing Filter	Catalog the Data Sets? Filter	Catalog Name Filter	Catalog Type Filter	Messages Filter
<input type="checkbox"/>	SMPE36P	Existing	Yes	UCAT.SHPROD	USER	
<input type="checkbox"/>	ZOSMF	Existing	Yes (Required)	UCAT.SHPROD	USER	

Total: 2 Selected: 0

< Back Next > Finish Cancel

SELECT SMPE36P

Step 5f: Catalogs ...

You are not going to have Software Deployment catalog these data sets for this Lab. These data sets are the non-VSAM, non-zFS data sets. The VSAM and zFS data sets must be cataloged.

Click on Actions, and then Do Not Catalog Data Sets

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ➔ **Catalogs**
- Volumes and Storage Classes
- Mount Points

Catalogs

The Target Data Set Name Prefixes table lists the data sets to be cataloged. You can select different catalogs, or select not to catalog the corresponding data sets.

Target Data Set Name Prefixes

Actions

- Catalog Data Sets
- Do Not Catalog Data Sets**
- Select Catalog
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Sorts
- Export Table Data ▶
- Print Table Data ▶

Target Data Set Name Prefixes	Catalog the Data Sets? Filter	Catalog Name Filter	Catalog Type Filter	Messages Filter
	Yes	UCAT.SHPROD	USER	
	Yes (Required)	UCAT.SHPROD	USER	

Total: 2 Selected: 1

< Back Next > Finish Cancel

Step 5f: Catalogs ...



Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ➔ **Catalogs**
- Volumes and Storage Classes
- Mount Points

Catalogs

The Target Data Set Name Prefixes table lists the catalogs where target data sets with the data set name prefixes will be cataloged. You can accept the default catalog assignment, select different catalogs, or select not to catalog the corresponding data sets.

Target Data Set Name Prefixes

Actions

No filter applied

<input type="checkbox"/>	Prefix Filter	New or Existing Filter	Catalog the Data Sets? Filter	Catalog Name Filter	Catalog Type Filter	Messages Filter
<input checked="" type="checkbox"/>	SMPE36P	Existing	No			
<input type="checkbox"/>	ZOSMF	Existing	Yes (Required)	UCAT.SHPROD	USER	

Total: 2 Selected: 1

Click Next

Step 5g: Volumes and Storage Classes

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ✓ Catalogs
- ➔ **Volumes and Storage Classes**
- Mount Points

Volumes and Storage Classes

The Target Volumes and Target Storage Classes tables list the volumes or storage classes where each target data set or new user catalog will reside. Accept the default volumes and storage classes, or use the **Modify** action to modify them.

Target Volumes

Actions ▾

➔ No filter applied

Volume Filter



Collecting storage information for the configuration. This request might take several minutes to complete.

Cancel

Initialize Volume Filter

Catalog Method Filter

Indirect Entry Syn Filter

There is no data to display.

Refresh

Last refresh: Sep 30

< Back

Next >

Pop-up window to alert you that this might take a few minutes, and allow you to cancel

Step 5g: Volumes and Storage Classes ...

IBM z/OS Management Facility

The list of volumes (based on how you configured your deployment) is displayed

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMP/EV3.6_WITH_PTFS

Volumes and Storage Classes

The Target Volumes and Target Storage Classes are listed in the table below. The catalog will reside. Accept the default volumes and storage classes, or use the **Modify** action to modify the configuration.

Select the SHRESA Volume

Target Volumes

Actions

No filter applied

Volume Filter	Total Capacity (MB) Filter	Current Allocated Space (MB) Filter	Current Allocated Space (%) Filter	Messages Filter	Allocated Space After Deploye (MB) Filter	Allocated Space After Deploye (%) Filter	Allocated Space Delta (MB) Filter	Planned Threshold (%) Filter	Initialize Volume Filter	Catalog Method Filter	Indirect Entry Sy Filter	
<input type="radio"/>	SHRESA	8514.05	8021.02	94	IZUD516W	8107.03	95	86.01	85	No	Direct	
<input type="radio"/>	SHRESB	8514.05	7477.89	88	IZUD516W	7657.40	90	179.51	85	No	Direct	

Refresh

Last refresh: Sep 30, 2015, 10:05:57 PM local time (Oct 1, 2015, 2:05:57 AM GMT)

< Back

Next >

Finish

Cancel

Step 5g: Volumes and Storage Classes ...

Let's see how you could change some attributes of one of the volumes for this Deployment. Please note that these changes are NOT needed for this deployment

Click on Actions, and then Modify

Volumes and Storage Classes

The Target Volumes and Target Storage Classes table shows the current and planned attributes for the target volumes and storage classes, or use the **Modify** action to modify the attributes.

Target Volumes

Actions		Current Allocated Space (MB) Filter	Current Allocated Space (%) Filter	Messages Filter	Allocated Space After Deploye (MB) Filter	Allocated Space After Deploye (%) Filter	Allocated Space Delta (MB) Filter	Planned Threshold (%) Filter	Initialize Volume Filter	Catalog Method Filter	Indirect Entry Syn Filter
<input checked="" type="radio"/>	SHRESA	8514.05	8021.02	94	IZUD516W	8107.03	95	86.01	85	No	Direct
<input type="radio"/>	SHRESB	8514.05	7477.89	88	IZUD516W	7657.40	90	179.51	85	No	Direct

Refresh

Last refresh: Sep 30, 2015, 10:05:57 PM local time (Oct 1, 2015, 2:05:57 AM GMT)

< Back

Next >

Finish

Cancel

Step 5g: Volumes and Storage Classes ...

IBM z/OS Management Facility

chara11

Welcome x

Software Management

Software Management >

Modify Volume SHRESA

* Volume:

SHRESA

Total capacity (MB):

8514.05

Initialize volume:

Yes
 No

Catalog method:

Direct Indirect * Indirect catalog entry symbol:

&MYRES

* Planned threshold (%):

99

Allocated Space

State	Allocated Space (MB)	Allocated Space (%)
Before deployment	8021.02	94
After deployment	8107.03	95

Allocated space delta (MB):

86.01

The list of attributed of the selected volume is displayed allowing you to change the values, including the volume serial number

1. Click Indirect
2. Then specify a symbol name, e.g., &MYRES
Note: It does not have to be case sensitive

3. Then change the Planned threshold to 99%

OK

Cancel

Finally, click OK

Step 5g: Volumes and Storage Classes ...

Now we will clear up the warning message displayed below

Select the SHRESB Volume, then Actions and Modify

IBM z/OS Management Facility

Software Management > Deployment


Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ✓ Catalogs
- ➔ **Volumes and Storage Classes**
- Mount Points

Volumes and Storage Classes

The Target Volumes and Target Storage Classes tables list the storage classes, or use the **Modify** action to modify them.

Target Volumes

Actions	Current Allocated Space (MB) Filter	Current Allocated Space (%) Filter	Messages Filter	Allocated Space After Deploye (MB) Filter	Allocated Space After Deploye (%) Filter	Allocated Space Delta (MB) Filter	Planned Threshold (%) Filter	Initialize Volume Filter	Catalog Method Filter	Indirect Entry Sy Filter		
<input type="radio"/>	SHRESA	8514.05	8021.02	94		8107.03	95	86.01	99	No	Indirect	&MYRES
<input checked="" type="radio"/>	SHRESB	8514.05	7477.89	88	 IZUD516W	7657.40	90	179.51	85	No	Direct	

Refresh Last refresh: Sep 30, 2015, 10:05:57 PM local time (Oct 1, 2015, 2:05:57 AM GMT)

< Back **Next >** **Finish** **Cancel**

Step 5g: Volumes and Storage Classes ...

The warning message identified that the amount of space required on the target volume exceeded the planned threshold limit set for this volume. To resolve the warning you could:

- Identify a different volume, one with more freespace (possibly a larger volume)
 - Choose to initialize the volume, so the space used by existing data sets would now be considered free.
 - Increase the Planned Threshold.
- For this lab, you will choose the last option.

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > C

Modify Volume SHRESB

* Volume:
SHRESB

Total capacity (MB):
8514.05

Initialize volume:
 Yes
 No

Catalog method:
 Direct
 Indirect

* Planned threshold (%):
99

State	Allocated Space (MB)	Allocated Space
Before deployment	7477.89	88
After deployment	7657.40	90

Allocated space delta (MB):
179.51

OK Cancel

Change the Planned threshold to 99%

Then click OK

Step 5g: Volumes and Storage Classes ...

The table is updated to reflect the changes to SHRESA and SHRESB. Notice that the warning message(s) has been resolved!

Volumes and Storage Classes

The Target Volumes and Target Storage Classes tables list the volumes or storage classes where each target data set or new user catalog will reside. Accept the default volumes and storage classes, or use the **Modify** action to modify them.

Target Volumes

Actions

No filter applied

Volume Filter	Total Capacity (MB) Filter	Current Allocated Space (MB) Filter	Current Allocated Space (%) Filter	Messages Filter	Allocated Space After Deploye (MB) Filter	Allocated Space After Deploye (%) Filter	Allocated Space Delta (MB) Filter	Planned Threshold (%) Filter	Initialize Volume Filter	Catalog Method Filter	Indirect (Entry Syn Filter	
<input type="radio"/>	SHRESA	8514.05	8021.02	94		8107.03	95	86.01	99	No	Indirect	&MYRES
<input checked="" type="radio"/>	SHRESB	8514.05	7477.89	88		7657.40	90	179.51	99	No	Direct	

Refresh

Last refresh: Sep 30, 2015, 10:05:57 PM local time (09/30/2015, 2:05:57 PM)

Click Next

< Back

Next >

Finish

Cancel

Step 5h: Mount Points

The list of mount points that will be used for the target software instance is displayed. You need to specify a new mount point for this Deployment.

Software Management > Deployments

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ✓ Catalogs
- ✓ Volumes and Storage Classes
- ➔ **Mount Points**

Mount Points

The Mount Points table lists the mount points that will be used for the target software instance. Use the **Modify Target Mount Point** action to modify them.

Select /sharelab/swdeploy/smpe36p

Target mount point Filter	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
<input type="checkbox"/> /sharelab/swdeploy/smpe36p	ZOSMF.SWDEPLOY.SHARA11.SMPE36P.ZFS	/sharelab/swdeploy/smpe36p	ZOSMF.SWDEPLOY.SMPE36P.ZFS

Total: 1 Selected: 0

< Back Next > Finish Cancel

Step 5h: Mount Points ...

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ✓ Catalogs
- ✓ Volumes and Storage Classes
- ➔ **Mount Points**

Mount Points

The Mount Points table lists the mount points that will be **Modify Target Mount Point** action to modify them.

Mount Points

Actions

- Modify Target Mount Point**
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Sorts
- Export Table Data ▶
- Print Table Data ▶

Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
ZOSMF.SWDEPLOY.SHARA11.SMPE36P.ZFS	/sharelab/swdeploy/smpe36p	ZOSMF.SWDEPLOY.SMPE36P.ZFS

Total: 1 Selected: 1

< Back Next > Finish Cancel

Click on Actions, and then Modify Target Mount Point

Step 5h: Mount Points ...

The screenshot shows the 'Modify Target Mount Point' dialog in the IBM z/OS Management Facility. The dialog has a breadcrumb trail: 'Welcome' > 'Software Manage...' > 'Software Management' > 'Deployments' > 'Deployments'. The title is 'Modify Target Mount Point'. Below the title, it says 'Enter a new target mount point for the selected mount point'. There is a section for 'Common mount points directory' with 'From: /sharelab/swdeploy/smpe36p' and 'To: /sharelab/swdeploy/smpe36p/shara11'. An 'Example target mount point' is shown as '/sharelab/swdeploy/smpe36p/shara11'. A table titled 'Selected mount points' contains one row with columns for 'Target mount point', 'Target Data Set Name', 'Source mount point', and 'Source Data Set Name'. At the bottom are 'OK' and 'Cancel' buttons. Two yellow callout boxes provide instructions: one points to the 'To' field and the other points to the 'OK' button.

Add a subdirectory with your Userid, SHARxnn, e.g., /sharelab/swdeploy/smpe36p/shara11

- Please note that the directory name IS case sensitive, but for this lab it doesn't matter

Example target mount point:
/sharelab/swdeploy/smpe36p
/sharelab/swdeploy/smpe36p/shara11

Target mount point	Target Data Set Name	Source mount point	Source Data Set Name
/sharelab/swdeploy/smpe36p	ZOSMF.SWDEPLOY.SHARA11.SMPE36P.ZFS	/sharelab/swdeploy/smpe36p	ZOSMF.SWDEPLOY.SMPE36P.ZFS

Once the changes have been made, click OK

Step 5: Configure the Deployment ...

The Deployment has been configured at this point!

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MASTER_SMPEV3.6_WITH_PTFS

- ✓ Welcome
- ✓ DLIBs
- ✓ Model
- ✓ SMP/E Zones
- ✓ Data Sets
- ✓ Catalogs
- ✓ Volumes and Storage Classes
- ➔ **Mount Points**

Mount Points

The Mount Points table lists the mount points that will be used for the UNIX file system data sets included in the target software instance. Accept the default mount points, or use the **Modify Target Mount Point** action to modify them.

Mount Points

Actions

No filter applied

<input checked="" type="checkbox"/>	Target mount point Filter	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
<input checked="" type="checkbox"/>	/sharelab/swdeploy/smpe36p/shara11	ZOSMF.SWDEPLOY.SHARA11.SMPE36PZ FS	/sharelab/swdeploy/smpe36p	ZOSMF.SWDEPLOY.SMPE36P.ZFS

Total: 1 Selected: 1

< Back Next > **Finish** Cancel

Review then click Finish

**Step 6: Create
deployment jobs and
summary**

Step 6: Create Deployment Jobs and Summary

At this point, you'll prepare to create the jobs for the Deployment.

Follow the checklist,
Click on Define the job settings, ...

IBM z/OS management console interface showing the Deployment Checklist. The checklist is titled "Deployment Checklist" and includes instructions: "To deploy a software instance, complete the checklist." The checklist items are:

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
✓	3. Select the objective for this deployment.
✓	4. Check for missing SYSMODs. <ul style="list-style-type: none">• View missing SYSMOD reports.
✓	5. Configure this deployment.
→	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">• View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

A "Close" button is visible at the bottom left of the checklist area.

Step 6a: Define Job Settings

The first time in you will have to provide JOB card information

IBM z/OS M

Welcome x Software Manage... x

Software Management ▶ Deployments ▶ Deployment Checklist ▶ Define Job Settings

Define Job Settings

The data set name below will be used for the JCL jobs generated. Edit or accept the data set name and job card data.

* JCL data set name:

SHARA11.DM.D150930.T222650.CNTL

* JOB statement:

```
-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7-----  
//JOBNAME JOB (ACCOUNT), 'NAME'  
//*  
//*  
//*
```

Undo Changes

Restore Defaults

OK

Cancel

Step 6a: Define Job Settings ...

Optionally change the middle level qualifiers of the data set name.

You must keep the HLQ as your assigned userid, or else you won't have access to create the jobs for the Lab.

You should keep .CNTL as the low level qualifier of the data set name

If you change the data set name it does not have to be case sensitive

The screenshot shows the 'Define Job Settings' dialog box in the IBM z/OS Management Facility. It has a title bar 'IBM z/OS Management Facility' and a breadcrumb trail 'Software Management > Deployments > Deployment Ch...'. The main content area is titled 'Define Job Settings' and contains the following text: 'The data set name below will be used for the JCL'. Below this, there are two sections: '* JCL data set name:' with a text input field containing 'SHARA11.DM.D150930.T222650.CNTL', and '* JOB statement:' with a text area containing the following JCL code: '//USERID JOB 'D98A,B9211068','SHARE/EXPO SMPE LAB',REGION=OK, // MSGLEVEL=(1,1),CLASS=A,MSGCLASS=H,NOTIFY=USERID /*JOBPARM S=*. At the bottom of the dialog are four buttons: 'Undo Changes', 'Restore Defaults', 'OK', and 'Cancel'.

Specify JOB card information

Note: If you change the JOB card information IT IS case sensitive

Then click OK

Step 6a: Define Job Settings ...

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Define Job Settings

Define Job Settings

The data set name below will be used for the JCL jobs generated. Edit or accept the data set name and job card data.

* JCL data set name:

SHARA11.DM.D150930.T222650.CNTL

* JOB statement:

```
-----1-----2-----3-----4-----5-----6-----  
//USERID JOB 'D98A,B9211068', 'SHARE/EXPO SMPE LAB', REGION=0K,  
//          MSGLEVEL=(1,1), CLASS=A, MSGCLASS=H, NOTIFY=USERID  
/*JOBPARM S=*
```

Pop-up window to alert you that this might take a few minutes, and allow you to cancel

* Creating the deployment summary and jobs. This request might take several minutes to complete.

Cancel

Undo Changes

Restore Defaults

OK

Cancel

Step 6b: View the Deployment Summary

You now have the deployment jobs created which represent all the information you've provided!
You can look at all that information in the summary about this Deployment.

IBM z/OSMF Welcome shara

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
✓	3. Select the objective for this deployment.
✓	4. Check for missing SYSMODs. <ul style="list-style-type: none">View missing SYSMOD reports.
✓	5. Configure this deployment.
✓	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">View the deployment summary.
→	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

Close

**Follow the checklist,
Click on View the deployment summary**

Step 6b.1: View the Deployment Summary ...

Results displayed – SMP/E Zones

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Verify the Zone Name and Data Set Name of the CSIs
3. Click Volumes to advance

Welcome x Software M

Software Management ▶ Depl

View Deployment Sum

Review the changes that will oc

Source software instance:

MASTER_SMPEV3.6_WITH

Target system:

LOCAL

Deployment objective:

Create new soft Create new global zone

SMP/E Zones

Volumes

Data Sets to Delete

Data Sets to Add

Data Sets to Replace

Catalogs

Catalog Aliases

Catalog Entries To Delete

Catalog Entries To Ac

Global Zone CSI:

ZOSMF.SWDEPLOY.SHARA11.GLOBAL.CSI on system LOCAL

Zones to Add

Zone Name	Data Set Name	Zone Type
TSMP36N	ZOSMF.SWDEPLOY.SHARA11.TARGET.SMPE36P.CSI	TARGET

Don't click OK until you've opened all the tabs above

OK

Step 6b.2: View the Deployment Summary ...

Results displayed - Volumes

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Verify the Volumes
3. Click Data Sets to Delete to advance

IBM z/OS Management F

Welcome x Software M

Software Management > Depl

View Deployment Sum

Review the changes that will occur on the target system when

Source software instance: MASTER_SMPEV3.6_WITH

Target system: LOCAL

Deployment objective: Create new software insta new global zone

SMP/E Zones

Volumes

Data Sets to Delete

Data Sets to Add

Data Sets to Replace

Catalogs

Catalog Aliases

Catalog Entries To Delete

Catalog Entries To Ac

Volumes

Volume	Initialize Volume	Data Sets to Delete	Data Sets to Add	Data Sets to Replace
SHRESB			Yes	
SHRESA			Yes	

Don't click OK until you've opened all the tabs above

OK

Step 6b.3: View the Deployment Summary ...

Results displayed – Data Sets to Delete

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. You can verify the data sets to delete. However, since you didn't specify to initialize the volume, nor select to replace an existing software instance there are no data sets to delete
3. Click Data Sets to Add to advance

IBM z/OS Management Center

Welcome x Software M

Software Management > Dep

View Deployment Summary

Review the changes that will occur

Source software instance: ...

Target system: ...

Deployment objective: Create new software instance, create ...

SMP/E Zones Volumes **Data Sets to Delete** Data Sets to Add Data Sets to Replace Catalogs Catalog Aliases Catalog Entries To Delete Catalog Entries To Add

Data Sets

Actions

No filter applied

Name Filter	Volume Filter
There is no data to display.	

Total: 0

OK

Don't click OK until you've opened all the tabs above

Step 6b.4: View the Deployment Summary ...

Results displayed – Data Sets to Add

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Verify the Data Sets being added
3. Click Data Sets to Replace to advance

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

View Deployment Summary

Review the changes that will occur on the target system when you

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on

Target system: LOCAL

Deployment objective: Create new software instance, create new global zone

SMP/E Zones

Volumes

Data Sets to Delete

Data Sets to Add

Data Sets to Replace

Catalogs

Catalog Aliases

Catalog Entries To Delete

Catalog Entries To A

Data Sets

Actions

No filter applied

Name Filter	Volume Filter	Storage Class Filter
SMPE36P.GIM.MACLIB	SHRESA	
SMPE36P.GIM.MIGLIB	SHRESA	
SMPE36P.GIM.NONSMP.DATA	SHRESA	
SMPE36P.GIM.SAMPLIB	SHRESA	
SMPE36P.GIM.SGIMCLS0	SHRESA	
SMPE36P.GIM.SGIMLMD0		
SMPE36P.GIM.SGIMMENU		

Total: 19

OK

Don't click OK until you've opened all the tabs above

Step 6b.5: View the Deployment Summary ...

Results displayed – Data Sets to Replace

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Again, based on how this deployment was configured there are no data sets to be replaced
3. Click Catalogs to advance

IBM z/OS Management Center

Welcome x Software

Software Management > Deployment

View Deployment Summary

Review the changes that will be made to the target system.

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Target system: LOCAL

Deployment objective: Create new software instance, create new global zone

SMP/E Zones Volumes Data Sets to Delete Data Sets to Add **Data Sets to Replace** Catalogs Catalog Aliases Catalog Entries To Delete Catalog Entries To Add

Data Sets

Actions

No filter applied

Current Data Set Name Filter	Current Volume Filter	New Data Set Name Filter	New Volume Filter	New Storage Class Filter
There is no data to display.				

Total: 0

OK

Don't click OK until you've opened all the tabs above

Step 6b.6: View the Deployment Summary ...

Results displayed - Catalogs

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Verify that the existing User Catalog will be used
3. Click Catalog Aliases to advance

IBM z/OS Management F

Welcome x Software M

Software Management > Depl

View Deployment Sum

Review the changes that will oc

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Target system: LOCAL

Deployment objective: Create new software instance, create new global zone

SMP/E Zones

Volumes

Data Sets to Delete

Data Sets to Add

Data Sets to Replace

Catalogs

Catalog Aliases

Catalog Entries To Delete

Catalog Entries To Ac

Catalogs

Name	New or Existing	Type	Catalog Entries to Delete	Catalog Entries to Add	Catalog Entries to Update
UCAT.SHPROD	Existing	USER		Yes	

Don't click OK until you've opened all the tabs above

OK

Step 6b.7: View the Deployment Summary ...

Results displayed – Catalog Aliases

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Again, based on how this deployment was configured there are no new catalog aliases
3. Click Catalog Entries to Delete to advance

IBM z/OS Management Framework

Welcome x Software Management

Software Management > Deployment > View Deployment Summary

Review the changes that will occur

Source software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Target system: LOCAL

Deployment objective: Create new software instance, create new global zone

SMP/E Zones Volumes Data Sets to Delete Data Sets to Add Data Sets to Replace Catalogs **Catalog Aliases** Catalog Entries To Delete Catalog Entries To Add

New Alias Entries

Name	User Catalog	New or Existing Catalog	Volume	Storage Class	Primary Space (Cylinders)	Secondary Space (Cylinders)
There is no data to display.						

OK

Don't click OK until you've opened all the tabs above

Step 6b.8: View the Deployment Summary ...

Results displayed – Catalog Entries to Delete

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Again, based on how this deployment was configured there are no catalog entries to delete
3. Click Catalog Entries to Add to advance

IBM z/OS Management

Welcome x Software

Software Management ▶ Dep

View Deployment Su

Review the changes that will c

Source software instance: M

Target system: LOCAL

Deployment objective: Create new software instance, create new global zone

Data Sets to Delete

Data Sets to Add

Data Sets to Replace

Catalogs

Catalog Aliases

Catalog Entries To Delete

Catalog Entries To Add

Catalog Entries To Update

Catalog Entries

Actions ▼

No filter applied

Data Set Name
Filter

Catalog
Filter

Current Catalog
Entry Volumes
Filter

There is no data to display.

Total: 0

OK

Don't click OK until you've opened all the tabs above

Step 6b.9: View the Deployment Summary ...

Results displayed - Catalog Entries to Add

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Verify the data set names, catalog, and data set location for the CSI and zFS data sets
3. Click Catalog Entries to Update to advance

IBM z/OS Management

Welcome x Software

Software Management > D

View Deployment S

Review the changes that will

Source software instance:

MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Target system:

LOCAL

Deployment objective:

Create new software instance, create new global zone

Data Sets to Delete

Data Sets to Add

Data Sets to Replace

Catalogs

Catalog Aliases

Catalog Entries To Delete

Catalog Entries To Add

Catalog Entries To Update

Catalog Entries

Actions

No filter applied

Data Set Name Filter	Catalog Filter	Catalog Entry Volume Filter	Data Set Volume Filter	Data Set Storage Class Filter
ZOSMF.SWDEPLOY.SHARA11.GLOBAL.CSI	UCAT.SHPROD	SHRESB	SHRESB	
ZOSMF.SWDEPLOY.SHARA11.SMPE36P.ZFS	UCAT.SHPROD	SHRESB	SHRESB	
ZOSMF.SWDEPLOY.SHARA11.TARGET.SMPE	UCAT.SHPROD	SHRESB	SHRESB	

Don't click OK until you've opened all the tabs above

Total: 3

OK

Step 6b.10: View the Deployment Summary ...

Results displayed – Catalog Entries to Update

1. The planned results of your deployment are displayed. At this point no updates have been made to the target system.
2. Again, based on how this deployment was configured there are no catalog entries to update

IBM z/OS Management Facility

Welcome shara11

Welcome x Software Manage... x

Software Management > Deploy

View Deployment Summary

Review the changes that will occur

Source software instance: MA

Target system: LO

Deployment objective: Crea

Data Sets to Delete | Data Sets to Add | Data Sets to Replace | Catalogs | Catalog Aliases | Catalog Entries To Delete | **Catalog Entries To Update**

Catalog Entries

Actions

No filter applied

Data Set Name Filter	Catalog Filter	Current Catalog Entry Volumes Filter	New Catalog Entry Volume Filter	Volume	Data Set Storage Class Filter
There is no data to display.					

Total: 0

OK

Now it is OK to click OK

Step 7: ~~Submit~~ Deployment Jobs

You seen the summary of what will happen, now let's look at the list of jobs that will do it.

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
✓	3. Select the objective for this deployment.
✓	4. Check for missing SYSMODs. <ul style="list-style-type: none">View missing SYSMOD reports.
✓	5. Configure this deployment.
✓	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">View the deployment summary.
→	7. Submit deployment jobs.
	8. Specify the properties for the target software instance.

**Follow the checklist,
Click on Submit deployment jobs**

Close

Step 7a: View Deployment Jobs**

**Job (member) names and descriptions are displayed.
Based on options that you used during your
deployment configuration, you may have more
jobs than what you see for this Lab.**

IBM z/OS Manager

Review the jobs in this deployment configuration.
JCL data set name: SHARA11.DM.D150930.T222650.CNTL
Target system: LOCAL

Jobs

Actions

No filter applied

<input type="checkbox"/>	Sequence Filter	JCL Data Set Member Name Filter	Description Filter	System Filter	Status Filter	Messages Filter	Job Name Filter	Job ID Filter
<input type="checkbox"/>	1	IZUD01CP	Copy Data Sets: Copy the source software instance data sets to create the target software instance data sets in the location defined by the deployment configuration, using temporary and unique data set names.	LOCAL				
<input type="checkbox"/>	2	IZUD02RN	Rename Data Sets: Rename the target software instance data sets from their temporary and unique names to their desired names defined by the deployment configuration, and update catalog entries for the data sets as needed.	LOCAL				
<input type="checkbox"/>	3	IZUD03UC	Update CSI Data Sets: Update the entries within the SMP/E CSI data sets to reflect the target software instance zone names, data set names and locations, and UNX directory prefixes.	LOCAL				

Total: 3 Selected: 0

Refresh

Last refresh: Sep 30, 2015, 10:49:32 PM local time (Oct 1, 2015, 2:49:32 AM GMT)

Close

Step 7a: View Deployment Jobs ...

1. Select the first job
2. Click on Actions, View and then JCL
3. Do NOT submit the job

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Check...

Submit Deployment Jobs

Review the jobs created for this deployment, and submit the jobs in sequential order. Click Close to proceed to the next step in the deployment checklist.

JCL data set name: SHARA11.DM.D150930.T222650.CNTL
Target system: LOCAL

Jobs

Actions

- View > JCL
- Submit Job
- Purge...
- Cancel...
- Override Complete
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Sorts
- Export Table Data >
- Print Table Data >

Description Filter	System Filter	Status Filter	Messages Filter	Job Name Filter	Job ID Filter	Return Code Filter
Copy Data Sets: Copy the source software instance data sets to create the target software instance data sets in the location defined by the deployment configuration, using temporary and unique data set names.	LOCAL					
Rename Data Sets: Rename the target software instance data sets from their temporary and unique names to their desired names defined by the deployment configuration, and update catalog entries for the data sets as needed.	LOCAL					
Update CSI Data Sets: Update the entries within the SMP/E CSI data sets to reflect the target software instance zone names, data set names and locations, and UNIX directory prefixes.	LOCAL					

Total: 3 Selected

Refresh Last refresh: Sep 30, 2015, 10:49:32 PM local time (Oct 1, 2015, 2:49:32 AM GMT)

Close

IBM

Help

Unfortunately, you will NOT be able to run the deployment jobs due to DASD space restrictions on the SHARE LPAR.

Step 7a: View Deployment Jobs ...

The JCL is displayed. You can use the scroll bar to see the entire job.

Welcome x Software Manage... x
Software Management ▶ Deployments ▶ Deployment Checklist ▶ Submit Deployment Jobs ▶ View JCL

View JCL

Job Member Name: IZUD01CP
System: LOCAL

```
//IZUD01CP JOB 'D98A,B9211068','SHARE/EXPO SMPE LAB',REGION=0K,  
// MSGLEVEL=(1,1),CLASS=A,MSGCLASS=H,NOTIFY=USERID  
//JOBPARM S=*  
//*****  
//* This job was generated by z/OSMF on  
//* Thu, 1 Oct 2015 02:34:58 GMT  
//*****  
//*  
//*****  
//* This job copies the source software instance to the target  
//* data sets. This job will delete previously allocated target  
//* data sets (if job was previously run). It will then copy  
//* the identified source data sets into the target locations.  
//*  
//* NOTE: A temporary low level qualifier is appended to all  
//* non-VSAM or zFS target data set names, and will be removed  
//* in a subsequent Software Deployment job.  
//*  
//*****  
//*  
//* This step deletes uncataloged target data sets to ensure the  
//* job may be rerun. Expect RC=8 if the target data sets do not  
//* exist.  
//*  
//*****  
//DEL1 EXEC PGM=IEHPROGM,REGION=0M  
//SYSPRINT DD SYSOUT=*  
//DDSHRESA DD VOL=SER=SHRESA,UNIT=3390,DISP=SHR  
//SYSIN DD *
```

Review the JCL, then click Close

Close

Step 7b: Mark the Deployment Jobs Complete

In order to complete the lab exercise, you will now mark that the 3 jobs have been completed.

1. Select ALL 3 jobs
2. Click on Actions, then Override Complete

IBM z/OS Management Console

Software Management > Deployments > Deployment Checklist > Submit Deployment Jobs

Submit Deployment Jobs

Review the jobs created for this deployment

JCL data set name: SHARA11.DM.D1
Target system: LOCAL

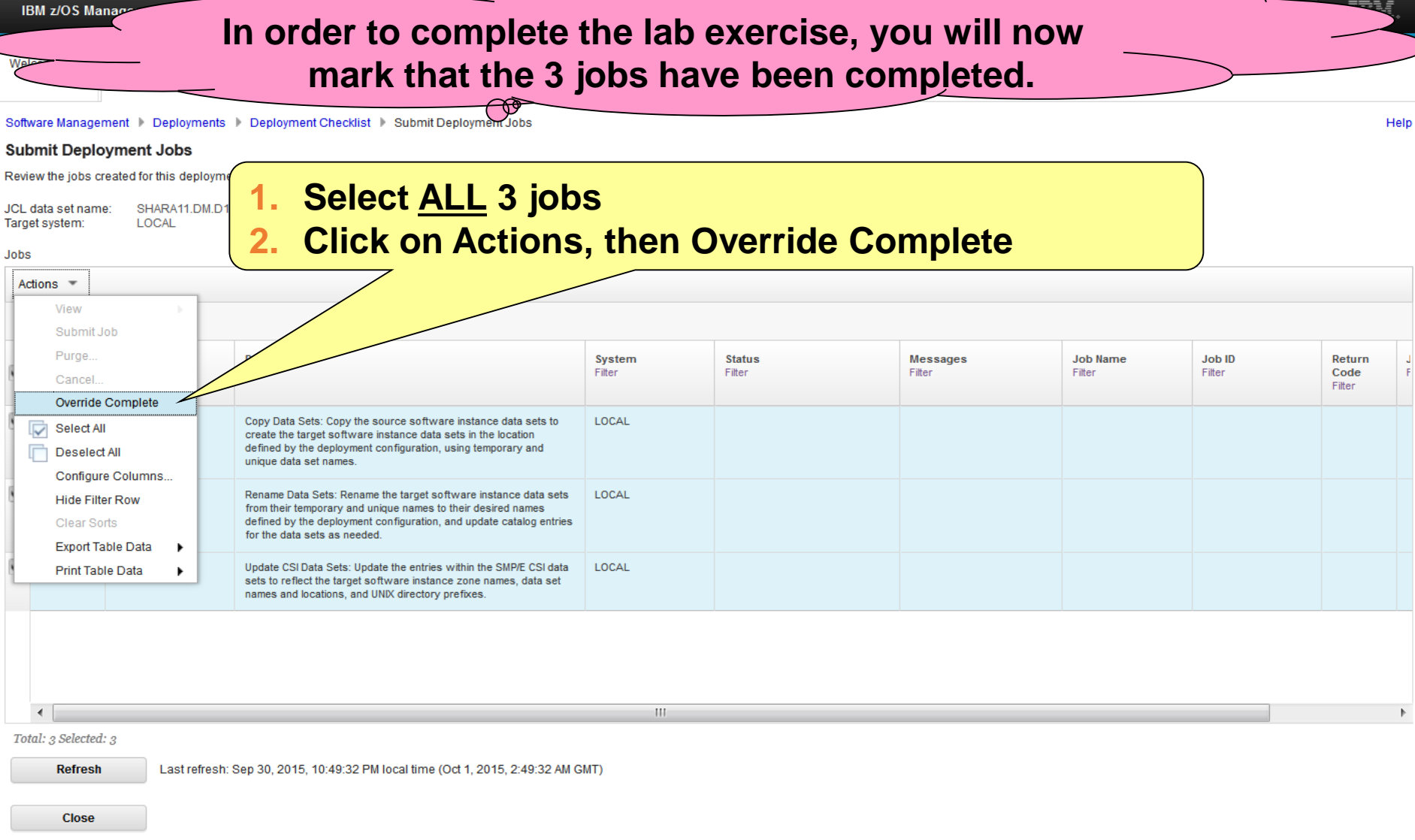
Jobs

System Filter	Status Filter	Messages Filter	Job Name Filter	Job ID Filter	Return Code Filter
LOCAL					
LOCAL					
LOCAL					

Total: 3 Selected: 3

Refresh Last refresh: Sep 30, 2015, 10:49:32 PM local time (Oct 1, 2015, 2:49:32 AM GMT)

Close

The screenshot shows the IBM z/OS Management Console interface. At the top, there's a breadcrumb trail: "Software Management > Deployments > Deployment Checklist > Submit Deployment Jobs". Below this is a section titled "Submit Deployment Jobs" with a sub-header "Review the jobs created for this deployment". It shows "JCL data set name: SHARA11.DM.D1" and "Target system: LOCAL". A table of jobs is displayed with columns for System Filter, Status Filter, Messages Filter, Job Name Filter, Job ID Filter, and Return Code Filter. Three rows are visible, all with "LOCAL" in the System Filter column. An "Actions" menu is open over the first row, showing options like "View", "Submit Job", "Purge...", "Cancel...", "Override Complete", "Select All", "Deselect All", "Configure Columns...", "Hide Filter Row", "Clear Sorts", "Export Table Data", and "Print Table Data". The "Override Complete" option is highlighted. A yellow callout box with a pointer to the "Override Complete" option contains the instructions: "1. Select ALL 3 jobs" and "2. Click on Actions, then Override Complete". At the bottom, there's a status bar showing "Total: 3 Selected: 3", a "Refresh" button, and a "Close" button. The refresh text indicates the last refresh was on Sep 30, 2015, at 10:49:32 PM local time (Oct 1, 2015, 2:49:32 AM GMT).

Step 7b: Mark the Deployment Jobs Complete

Submit Deployment Jobs

Review the jobs created for this deployment, and submit the jobs in sequential order. When all the jobs are complete, click Close to proceed to the next step in the deployment checklist.


JCL data set name: SHARA11.DM.D150930.T222650.CNTL
Target system: LOCAL

Jobs

Actions

No filter applied

<input checked="" type="checkbox"/>	Sequence Filter	JCL Data Set Member Name Filter	Description Filter	System Filter	Status Filter	Messages Filter	Job Name Filter	Job ID Filter	Return Code Filter	J
<input checked="" type="checkbox"/>	1	IZUD01CP	Copy Data Sets: Copy the source software to the target system and create the target software instance data defined by the deployment configuration, unique data set names.							
<input checked="" type="checkbox"/>	2	IZUD02RN	Rename Data Sets: Rename the target software instance data from their temporary and unique names to the names defined by the deployment configuration, for the data sets as needed.							
<input checked="" type="checkbox"/>	3	IZUD03UC	Update CSI Data Sets: Update the entries within the SMPPE CSI data sets to reflect the target software instance zone names, data set names and locations, and UNIX directory prefixes.	LOCAL						



You are about to override the completion for one or more jobs. The selected jobs may or may not have been submitted, thus you may be bypassing one or more deployment actions. Do you want to continue?

IZUD785W

Pop-up window to confirm that you want to override the completion for one or more jobs. Click OK to confirm.

Total: 3 Selected: 3

Last refresh: Sep 30, 2015, 10:49:32 PM local time (Oct 1, 2015, 2:40:00 AM local time)

Step 7b: Mark the Deployment Jobs Complete

The jobs have been marked Complete (Override).

IBM z/OS Manag

Welcome x Software manag

Software Management ▶ Deployments ▶ Deployment Checklist ▶ Submit Deployment Jobs [Help](#)

Submit Deployment Jobs

Review the jobs created for this deployment, and submit the jobs in sequential order. When all the jobs are complete, click **Close** to proceed to the next step in the deployment checklist.

JCL data set name: SHARA11.DM.D150930.T222650.CNTL
Target system: LOCAL

Jobs

Actions ▼

No filter applied

<input type="checkbox"/>	Sequence Filter	JCL Data Set Member Name Filter	Description Filter	System Filter	Status Filter	Messages Filter	Job Name Filter	Job ID Filter	Return Code Filter	J F
<input type="checkbox"/>	1	IZUD01CP	Copy Data Sets: Copy the source software instance data sets to create the target software instance data sets in the location defined by the deployment configuration, using temporary and unique data set names.	LOCAL	<input checked="" type="checkbox"/> Complete (Override)					
<input type="checkbox"/>	2	IZUD02RN	Rename Data Sets: Rename the target software instance data sets from their temporary and unique names to their desired names defined by the deployment configuration, and update catalog entries for the data sets as needed.	LOCAL	<input checked="" type="checkbox"/> Complete (Override)					
<input type="checkbox"/>	3	IZUD03UC	Update CSI Data Sets: Update the entries within the SMP/E CSI data sets to reflect the target software instance zone names, data set names and locations, and UNIX directory prefixes.	LOCAL	<input checked="" type="checkbox"/> Complete (Override)					

Total: 3 Selected: 0

Last refresh: Sep 30, 2015, 10:49:32 PM

Review updated status, then click Close

**Step 8: Complete the
deployment**

Step 8: Specify Properties for the Target Software Instance

Welcome x Software Manage... x

Software Management ▶ Deployments ▶ Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties for this deployment.
✓	2. Select the software instance to deploy.
✓	3. Select the objective for this deployment.
✓	4. Check for missing SYSMODs. <ul style="list-style-type: none">• View missing SYSMOD reports.
✓	5. Configure this deployment.
✓	6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">• View the deployment summary.
✓	7. Submit deployment jobs.
➔	8. Specify the properties for the target software instance.

Close

Follow the checklist, Click on Specify the properties for the target software instance

Step 8: Specify Properties for the Target Software Instance ...

By default the software instance name and description are copied from the source software instance. You can change them.

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist > Specify Target Software Instance Properties

Specify Target Software Instance Properties

* Target software instance name:

MASTER_SMPEV3.6_WITH_PTFS_1

IZUD342E: The name specified for the software instance is not valid. Enter a valid name.

Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.

Categories

Actions

No filter applied

Name Filter	Description Filter	Activity Filter	Last Modified (Local) Filter	Modified By Filter	Locked (Local) Filter	Locked By Filter
----------------	-----------------------	--------------------	---------------------------------	-----------------------	--------------------------	---------------------

There is no data to display.

Total: 0 Selected: 0

Refresh

Last refresh: Sep 30, 2015, 10:56:45 PM local time (Oct 1, 2015, 2:56:45 AM GMT)

OK

Cancel

Step 8: Specify Properties for the Target Software Instance ...

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist >

Specify Target Software Instance Properties

Target software instance name:

SHARA11_SMPEV3R6_WITH_PTFS_1

Description: (maximum 256 characters, currently 122 characters)

Source Software Instance for the z/OSMF Software Lab. This instance contains the SMP/E V3.6 produc

Categories

Actions

No filter applied

Name Filter	Description Filter	Activity Filter	Last Modified (Local) Filter	Modified By Filter	Locked (Local) Filter	Locked By Filter
-------------	--------------------	-----------------	------------------------------	--------------------	-----------------------	------------------

SHARA11_SMPEV3R6_WITH_PTFS_1 (your target software instance) was copied from the MASTER_SMPEV3.6_WITH_PTFS software instance. SHARA11 has completed the Software Deployment Lab successfully!!!

Total: 0 Selected: 0

Refresh

Last refresh: Sep 30, 2015, 10:5

OK

Cancel

Edit the target software instance name:

- Use your User ID (e.g., SHARxnn)
- Change "SMPEV3.6" to "SMPEV3R6"
- Use underscore ("_") instead of blanks e.g.,
 - SHARA11_SMPEV3R6_WITH_PTFS_1
- Optionally, update the description

Once the changes have been made, click OK

Step 8: Specify Properties for the Target Software Instance ...

See message that the software instance was added and that the software deployment is complete

IBM z/OS Management Facility

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist Help

Deployment Checklist

Messages 0 0 2 Close All

- i Target software instance "SHARA11_SMPEV3R6_WITH_PTFS_1" was added or updated. IZUD154I Sep 30, 2015, 11:01:07 PM x
- i Deployment "SHARA11_Deployment_Lab" is complete. IZUD155I Sep 30, 2015, 11:01:07 PM x

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
✓	1. Specify the properties
✓	2. Select the software instance
✓	3. Select the objective
✓	4. Check for missing SYSMODs View missing SYSMOD reports.
✓	5. Configure this deployment.

Retrieving product information for software instance "SHARA11_SMPEV3R6_WITH_PTFS_1" on system "LOCAL". This request might take several minutes to complete.

Cancel

A pop-up window will inform you that z/OSMF is attempting to retrieve product information from the deployed SMP/E GLOBAL CSI. Since you didn't actually run the deployment jobs, this will fail. You can let it complete and get the message on the next slide, or click Cancel to stop the operation.

Step 8: Specify Properties for the Target Software Instance ...

IBM z/OS Management Facility

Welcome shara11

IBM

Welcome x Software Manage... x

Software Management > Deployments > Deployment Checklist

Help

Deployment Checklist

Messages 0 1 2 Close All

Target software instance "SHARA11_SMPEV3R6_WITH_PTFS_1" was added or updated. IZUD154I Sep 30, 2015, 11:01:07 PM x

Deployment "SHARA11_Deployment_Lab" is complete. IZUD155I Sep 30, 2015, 11:01:07 PM x

The deployment is complete; however, an error occurred when z/OSMF attempted to retrieve product, feature and FMID information for software instance "SHARA11_SMPEV3R6_WITH_PTFS_1" on system "LOCAL". Error: "GIM70533E" "CSI data set ZOSMF.SWDEPLOY.SHARA11.GLOBAL.CSI for the GLOBAL zone does not exist in the catalog or the catalog can not be accessed." IZUD759W Sep 30, 2015, 11:01:18 PM x

To deploy a software instance, complete the

Checklist

Progress	Step
✓	1. Specify the properties for this d
✓	2. Select the software instance to d

A warning message is produced stating that z/OSMF could not find the deployed SMP/E GLOBAL CSI (because you weren't allowed to run the jobs). The net effect is that some of the Software Management reports and views will not be available for the target software instance.

**Step 9: View the
completed deployment**

Step 9: View the Completed Deployment

IBM z/OS Management Facility

IBM

The Deployment is complete, but you are not done yet with the Lab. Let's view the Deployment after it is complete.

Welcome x

To deploy a software...

Switch To: ▾

Actions ▾

No filter applied

<input type="checkbox"/>	Name Filter	Description Filter	Activity Filter	Categories Filter	Source Software Instance Filter	Source System Filter	Target Software Instance Filter	Target System Filter	Target Global Zone Filter
<input type="checkbox"/>	DEMO_Deployment_Sam	This is a sample deployment that may be used for demos.	Completed		MASTER_SMPEV3.6_WITH_PTFS	LOCAL	DEMO_SMPEV3.6_WITH_PTFS	LOCAL	ZOSMF.SWDEPLOY.C
<input checked="" type="checkbox"/>	SHARA11_Deployment_L	Excellent lab exercise to demonstrate how to use z/OSMF to install SMP/E installed software.	Completed		MASTER_SMPEV3.6_WITH_PTFS	LOCAL	SHARA11_SMPEV3R6_WITH_PTFS	LOCAL	ZOSMF.SWDEPLOY.S

Total: 2 Selected: 1

Refresh Last refresh: Sep 30, 2015, 11:03:36 PM local time (Oct 1, 2015, 3:03:36 AM GMT)

Close

Click on your deployment
■ Use a filter or scroll to find it

Step 9: View the Completed Deployment ...

The details of your software deployment are displayed in multiple tabs

Click through each tab

Scroll up and down if desired

After reviewing each of the tabs click Close

IBM z/OS Management Console

Welcome

Software Management > Deployments > View

View SHARA11_Deployment_Lab

General | Deployment Configuration | Deployment Summary | Deployment Jobs

Deployment name:
SHARA11_Deployment_Lab

Deployment description:
Excellent lab exercise to demonstrate how to use z/OSMF to deploy SMP/E installed software!!!

Categories:
There is no data to display.

Activity:
Completed

Source Software Instance

Name	System	Description	Categories	Global Zone CSI	Target Zones
MASTER_SMPEV3.6_WITH_PTFS	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFS.	There is no data to display.	ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P

Target Software Instance

Name	System	Description	Categories	Global Zone CSI	Target Zones
SHARA11_SMPEV3R6_WITH_PTFS_1	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFS.	There is no data to display.	ZOSMF.SWDEPLOY.SHARA11.GLOBAL.CSI	TSMP36N

Deployment objective:
Create new software instance, create new global zone

Copy the distribution zones and libraries:
No

Action Summary

Exercise Review And Wrap-up

Exercise Review and Wrap-Up

You now know how to:

- Logon to z/OSMF and invoke software management
 - **Use z/OSMF to:**
 1. Define a software deployment
 2. Identify the software instance to be deployed
 3. Define objectives for a deployment
 4. Check for missing requisites and possible regressions for the software being deployed
 5. Configure a deployment
 - Changing SMP/E zone names
 - Changing some data set names
 - Changing path names for mountpoints
 6. View the Deployment Summary
 - Resolve warning messages for over allocated target volumes
 7. View, Submit (or in our case mark complete) the deployment jobs
 8. Specify properties for the target software instance
 9. View the completed deployment

Thank You

Additional information

- **z/OS Management Facility website**
 - <http://www-03.ibm.com/systems/z/os/zos/features/zosmf/index.html>
- **IBM z/OS Management Facility Browser Compatibility**
 - http://www-03.ibm.com/systems/z/os/zos/features/zosmf/browser_notes.html
- **z/OS Management Facility Publications**
 - <http://www-03.ibm.com/systems/z/os/zos/features/zosmf/moreinfo/>
 - IBM z/OS Management Facility Configuration Guide (SC27-8419)
 - IBM z/OS Management Facility Programming (SC27-8420)
- **z/OS Management Facility Resource Requirements**
 - <http://www-03.ibm.com/support/techdocs/atmastr.nsf/WebIndex/WP101779>
- **z/OS Management Facility Downloads**
 - <http://www-03.ibm.com/systems/z/os/zos/features/zosmf/downloads/>

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