

# *Installing z/OS 2.5 Using z/OSMF Software Management*

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z/OSMF Software Management and SMP/E

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# IBM z/OS Announcements

- **July 2022**

The CustomPac Dialog installation method is planned to be removed on **July 10, 2022**. After July 10, 2022, IBM intends all ServerPac for z/OS, CICS, Db2, IMS, or program products ordered via Shopz will only be packaged and installable with z/OSMF.

- **November 2021**

“IBM announced the **planned withdrawal date of January 2022** for the CustomPac Dialog ServerPac. **IBM intends to extend this withdrawal date ...** ...The availability of the z/OSMF ServerPac enablement of data set merge and the planned withdrawal of the CustomPac Dialog ServerPac installation method are intended to be **announced in second quarter 2022.**”

- **September 2021**

“z/OS V2.5 joins the list of the IBM z/OS subsystems and program products that are already available as portable software instances. ...**removal of the ServerPac CustomPac Dialog** format is intended for **January 2022.**” Thereafter, it is planned that all software orderable as a ServerPac **must be installed with z/OSMF Software Management.**

- **September 2020**

“In addition to the delivery option in Shopz of IBM CICS and CICS program products as a ServerPac Portable Software Instance on December 6, 2019, this delivery option has been extended to **IMS** and **IMS program products**, as well as to **Db2** and **Db2 program products**. These additional products became available as a ServerPac Portable Software Instance delivery option on August 20, 2020.”

- **September 2019**

“IBM's first delivery of a **ServerPac in z/OSMF Software Management portable software instance format** is planned for CICS Transaction Server and associated CICS products. ...this is the **first of many** offerings that are planned to be delivered in the PSI format. ...This initial offering of an IBM ServerPac in a z/OSMF portable software instance represents the next step in IBM's **collaboration with other leading z/OS platform software vendors** to deliver a consistent package format intended to be used with z/OSMF software management as a common installer.”

# Agenda

- Brief z/OSMF and Software Management overview.
- What is a Software Instance?
- What is a Portable Software Instance?
- Acquiring a Portable Software Instance from a provider.
- Install the Portable Software Instance
  - Launching Workflows supplied by the software provider.
- What can I do with z/OSMF Software Management after install?

# What is z/OSMF?

- IBM z/OS Management Facility (z/OSMF) is a webserver for z/OS management applications.
- Integrated lightweight application server, using WebSphere Application Server Liberty profile.
- User interface through a browser.
- Security is implemented using standard z/OS SAF-based authorization.
- Provides integrated applications (tasks) with capability to add additional plug-ins.
- Provides public RESTful services for z/OSMF and z/OS resources.
- z/OSMF is a base element of z/OS since z/OS V2.2.

# What is z/OSMF Software Management?

- The Software Management task helps simplify installation and management of z/OS platform software.
- Installed software is known to z/OSMF as a “software instance.”
- The Software Management task allows you to:
  - View data sets that compose a software instance.
  - View Product, Feature, FMID content of software instances.
  - Identify software products that are approaching, or have reached, end of service support.
  - Validate the SMP/E structure and content of a software instance.
  - Identify missing HIPER and PE fixes, and fixes associated with fix categories.
  - Determine if specific fixes are installed.
  - Compare functional and service content of two software instances to aid in migration planning or debugging.
  - Install and Deploy software instances.
  - Launch workflows defined for a software instance to perform setup and configuration tasks.

# What is z/OSMF Software Management?

The z/OSMF  
log in page.

The screenshot shows the IBM z/OS Management Facility login page. At the top left is the IBM logo and the text "IBM z/OS Management Facility". To the right are links for "LEARN MORE" and "NEED HELP?". Below the header is a welcome message: "Welcome to z/OSMF on AQFT". The main content area features a large heading "Welcome to z/OS" followed by a description: "The highly secure, scalable and resilient enterprise operating system for the IBM z Systems mainframe." Below this are two input fields: "z/OS USER ID" with the value "kurtq" and "z/OS PASSWORD" with masked characters. A blue "LOG IN" button is centered below the fields. The footer contains a grid of links: "Shopz", "IBM Support", "z Systems Redbooks", "z/OSMF home Page", "WCS Flashes and Techdocs", "z/OS home Page", and "z/OS Knowledge Center". At the bottom right is the copyright notice: "© Copyright IBM Corp. 2009.2020, Version 2.4".

IBM z/OS Management Facility

LEARN MORE NEED HELP?

Welcome to z/OSMF on AQFT

## Welcome to z/OS

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

z/OS USER ID

kurtq

z/OS PASSWORD

.....

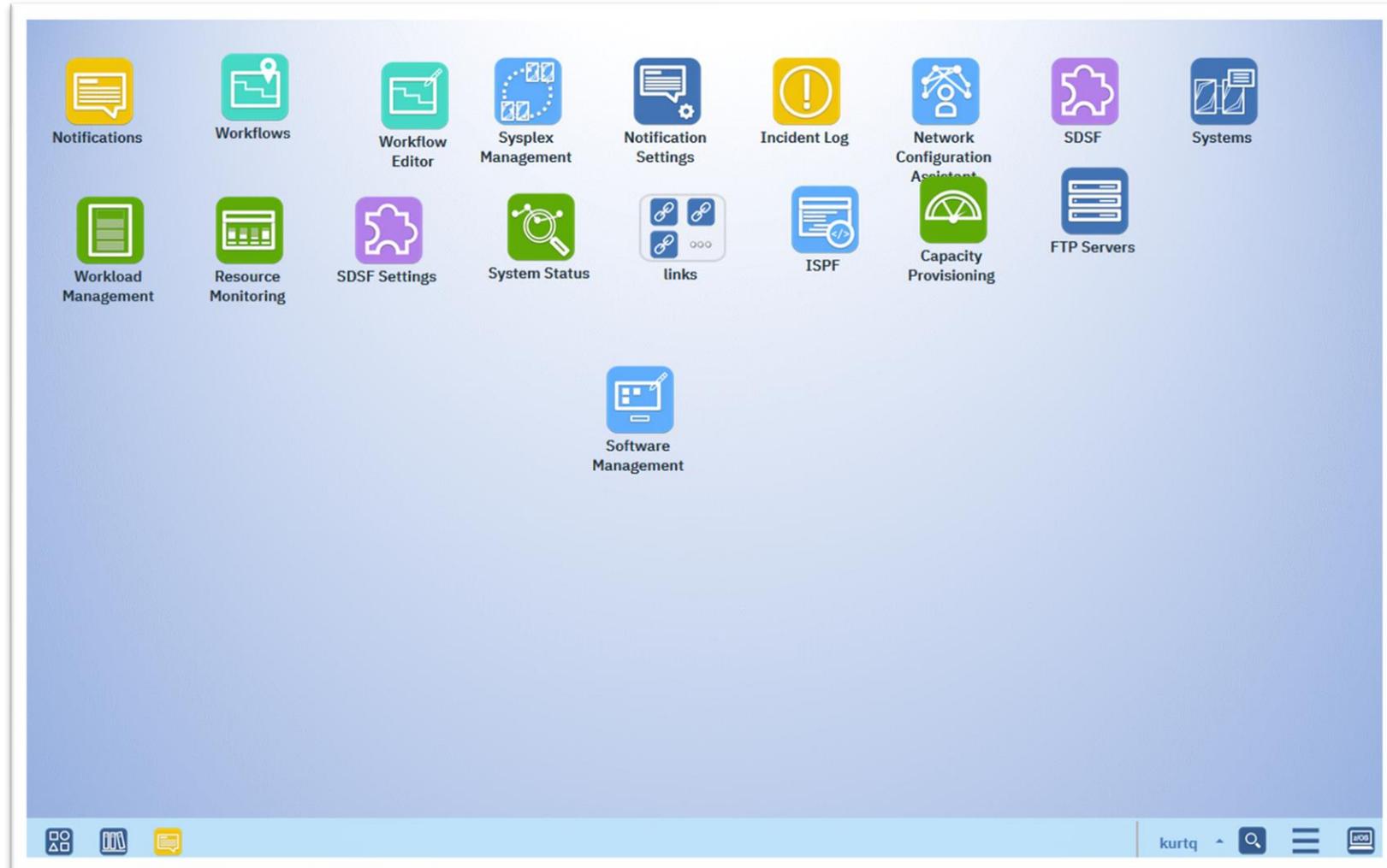
LOG IN

Shopz IBM Support z Systems Redbooks z/OSMF home Page WCS Flashes and Techdocs z/OS home Page z/OS Knowledge Center

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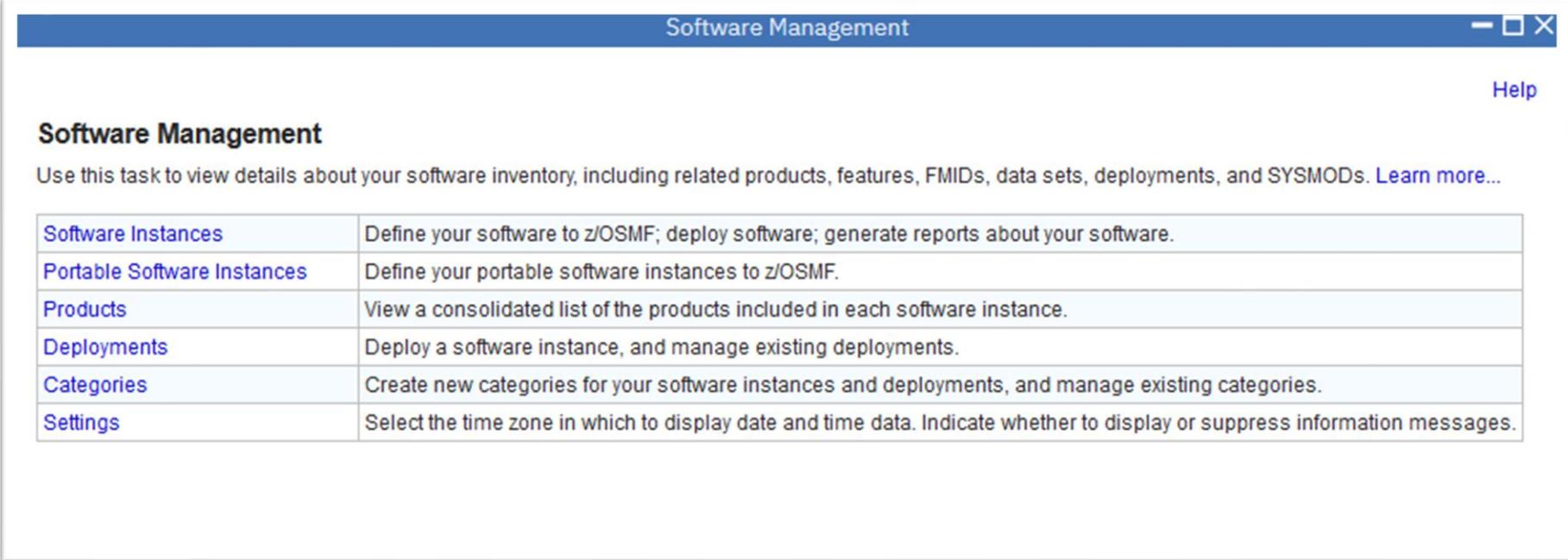
# What is z/OSMF Software Management?

The z/OSMF desktop.



# What is z/OSMF Software Management?

The Software Management main page.



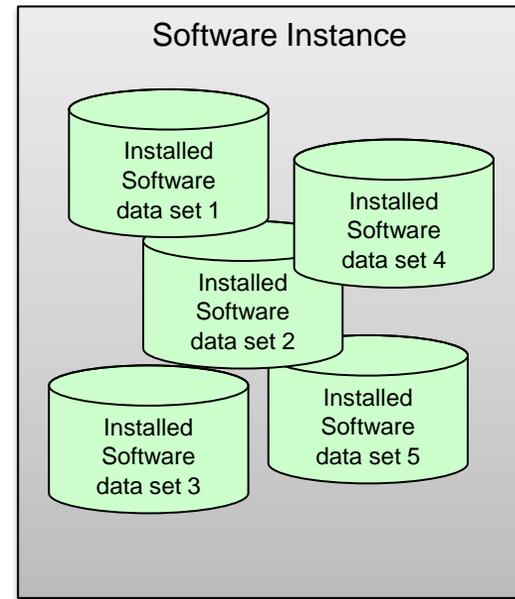
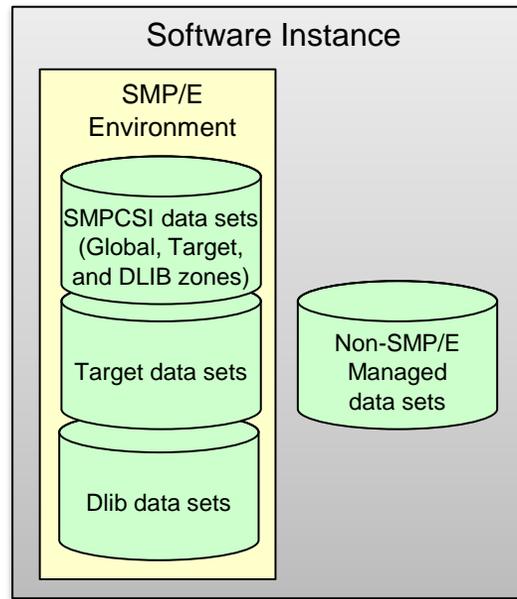
**Software Management**

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

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

# What is a Software Instance?

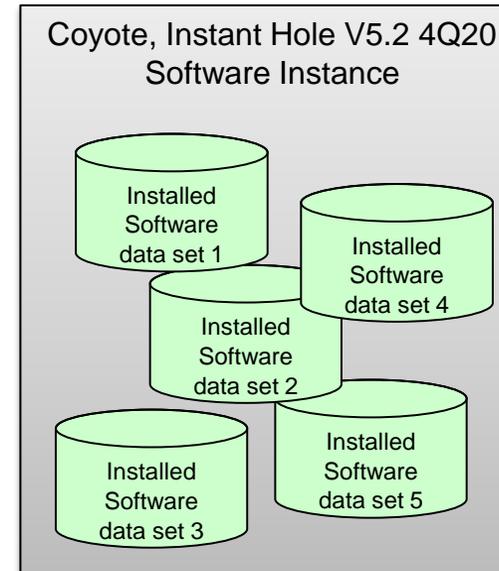
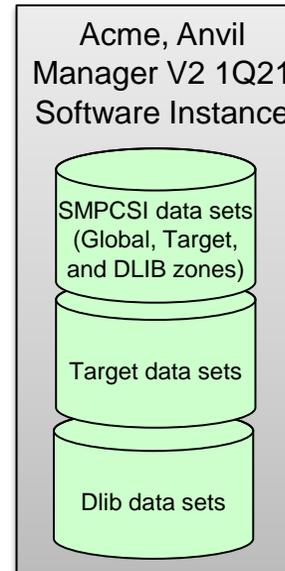
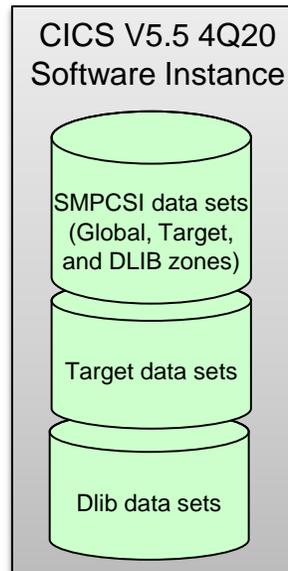
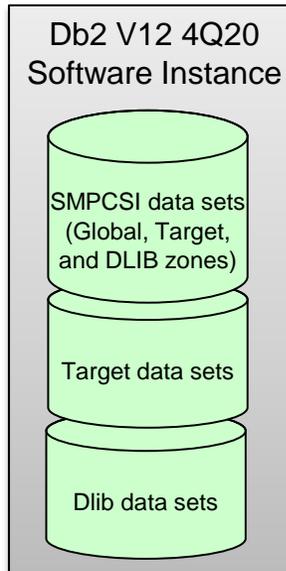
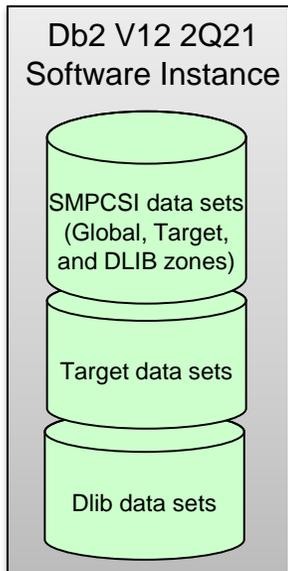
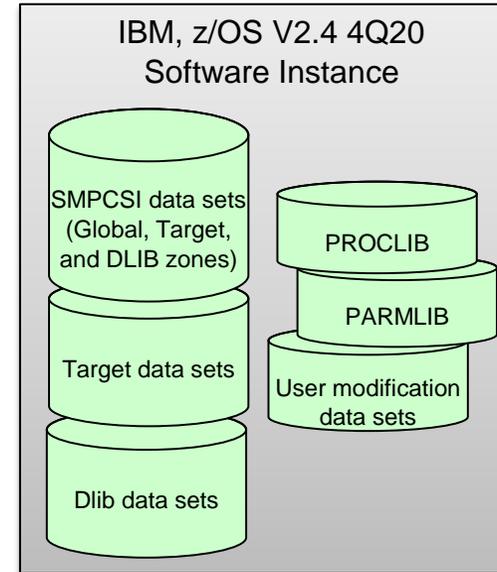
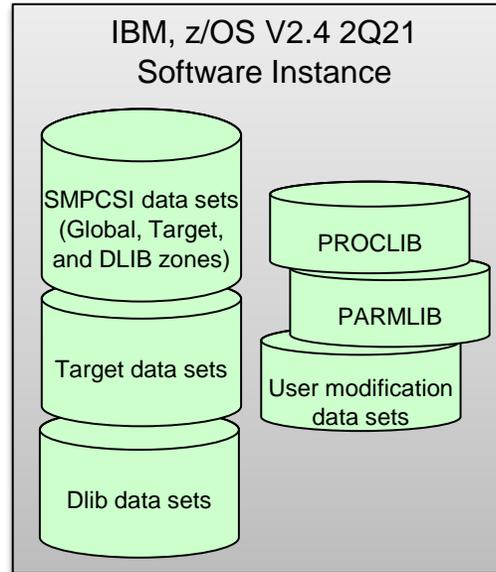
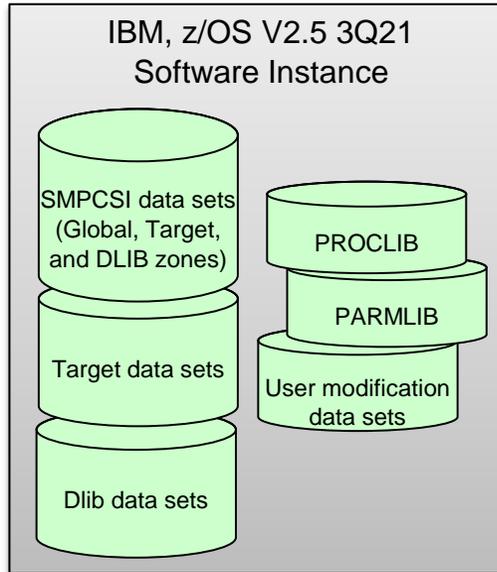
# What is a Software Instance?



A software instance (SWI):

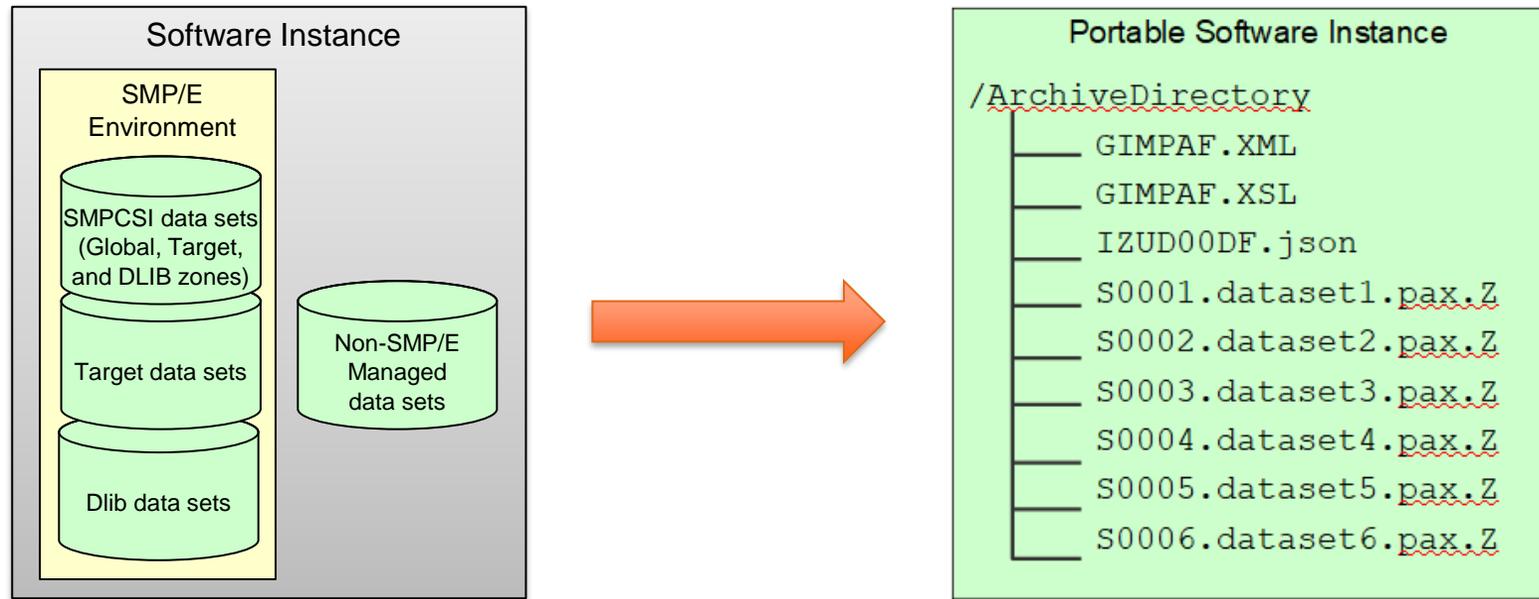
- Describes a deployable unit of installed software.
- Is a collection of data sets containing installed software
  - Sequential, PDS(E), VSAM, zFS, HFS.
- May include SMP/E managed target and distribution libraries, as well as the global, target, and distribution zone SMPCSI data sets.

# What is a Software Instance?



# What is a Portable Software Instance?

# What is a Portable Software Instance?



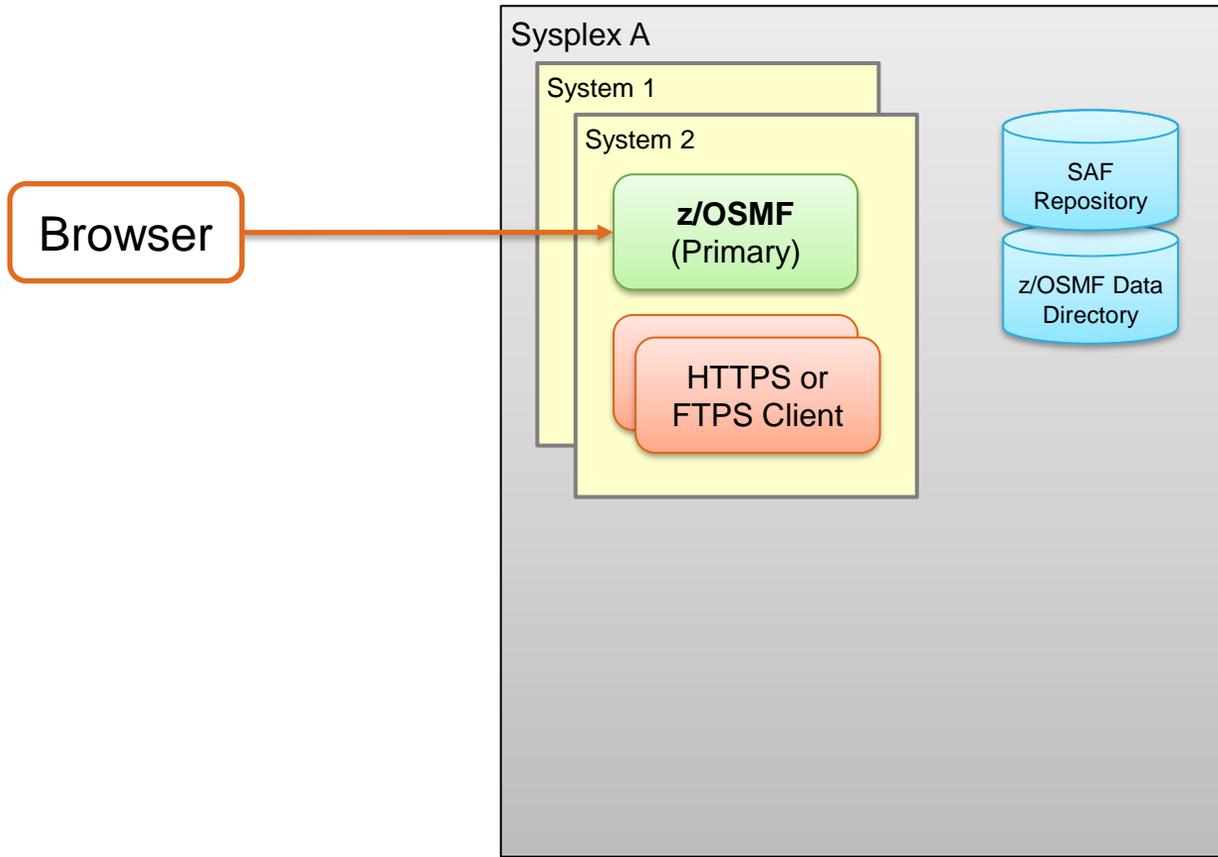
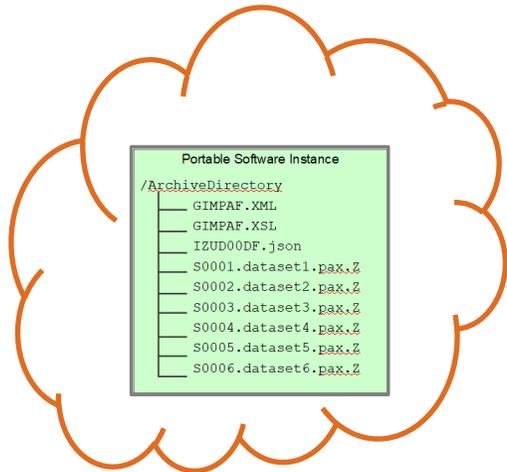
- A Portable Software Instance is a set of archive files that represent the native z/OS data sets for a software instance.
  - Native data sets are not very portable or easily distributed as is.
- The Software Management Export action creates:
  - Portable Software Instance descriptor file (IZUD00DF.json) containing meta-data to describe all of the data sets.
  - A package of GIMZIP archive files from the native software instance data sets.
- SMP/E GIMZIP packages are familiar and portable.

# What is a Portable Software Instance?

- Creating a portable form of a software instance enables a provider to easily deliver a complete software instance.
- You can acquire a portable software instance from a provider in at least two ways:
  - **Download** from a server **direct** to z/OS
  - **Store** on workstation **and forward** to z/OS

# Acquiring a Portable Software Instance: Download direct to z/OS

## Download Server



# Acquiring a Portable Software Instance: Download direct to z/OS ...

Select the action to **Add** a new Portable Software Instance from a **download server**.

The screenshot shows the 'Software Management' application window. The main heading is 'Portable Software Instances'. Below the heading is a 'Switch To:' dropdown menu. A table of software instances is displayed with columns for 'Description Filter', 'Activity Filter', 'System Filter', and 'File Location Filter'. A context menu is open over the table, showing the 'Add...' option selected. A red arrow points to the 'From Download Server' option within the 'Add...' submenu.

Description Filter	Activity Filter	System Filter	File Location Filter	Cat Filter
ServerPac/CICS: OT246095, d on 2020-09-16		AQFT	/u/kurtq/serverpac/CICS-2019-09-16	
GA on Dec 6, 2019, ceived by MARNA. CICS: OS240354		AQFT	/u/kurtq/KurtCICSPSIGaDec62019	

# Acquiring a Portable Software Instance: Download direct to z/OS ...

Specify the information to download the files from the provider's server.

- In the form of <SERVER> XML.

z/OSMF uses SMP/E's GIMGTPKG program to download the PSWI files to your z/OS.

Software Management

Software Management > Portable Software Instances > Add Portable Software Instance

### Add Portable Software Instance From Download Server (Step 1 of 4)

To add a Portable Software Instance, you can download the files for the Portable Software Instance from a download server to the z/OSMF host system.

\* Name:  
zOS25

Categories:

Actions		
<input type="checkbox"/>	Name	Description
<input type="checkbox"/>	IMS_ServerPac	
<input type="checkbox"/>	Kurt	
<input type="checkbox"/>	Carolyn_Test_PSI	Carolyns Test PSI
<input type="checkbox"/>	zOS-ServerPac	z/OS ServerPac

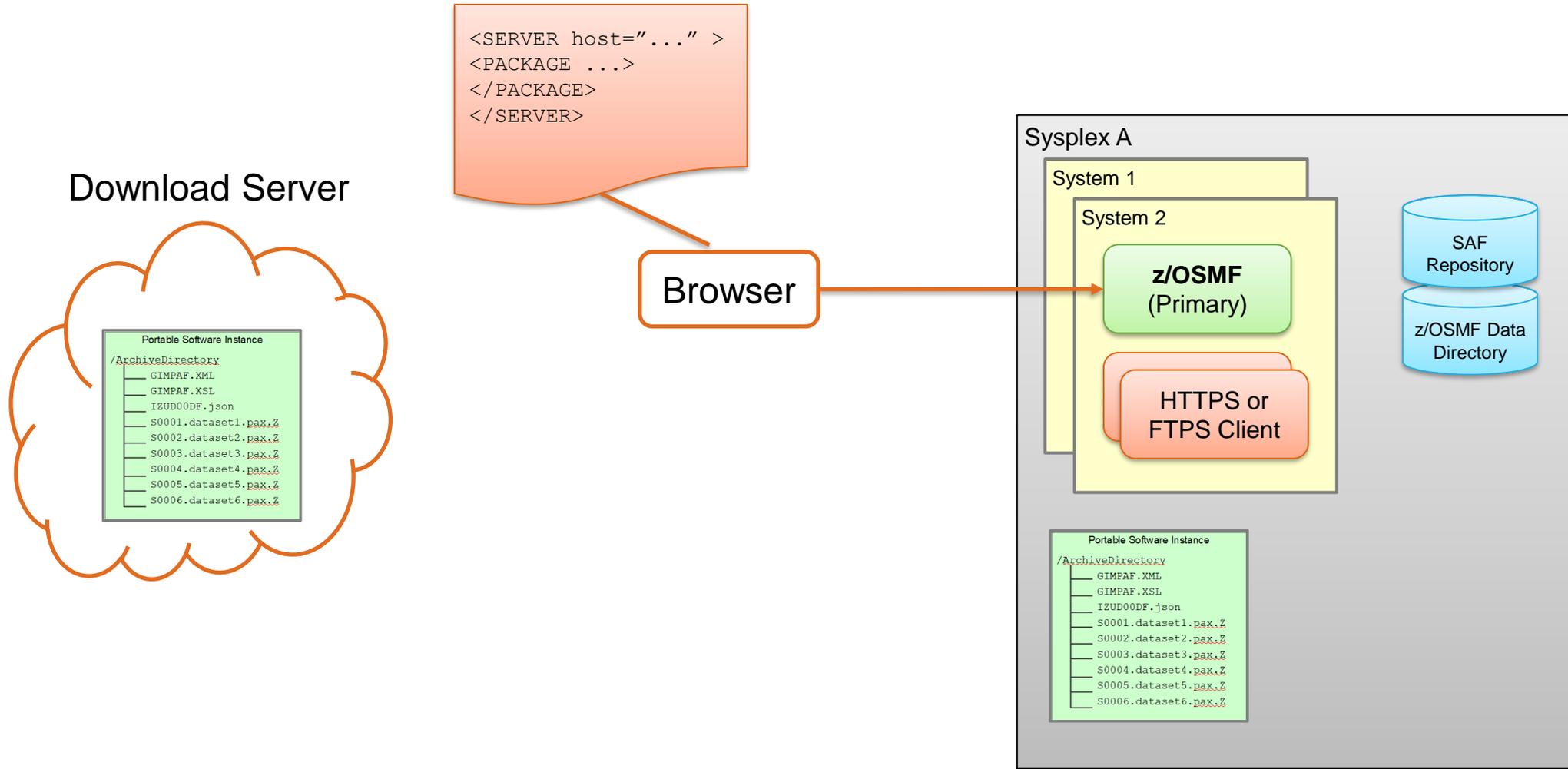
Total: 14 Selected: 0

z/OSMF will use the SMP/E GIMGTPKG service routine to download the remote portable software instance files. The remote host information is in the form of the SMP/E XML tag, [Learn more...](#)

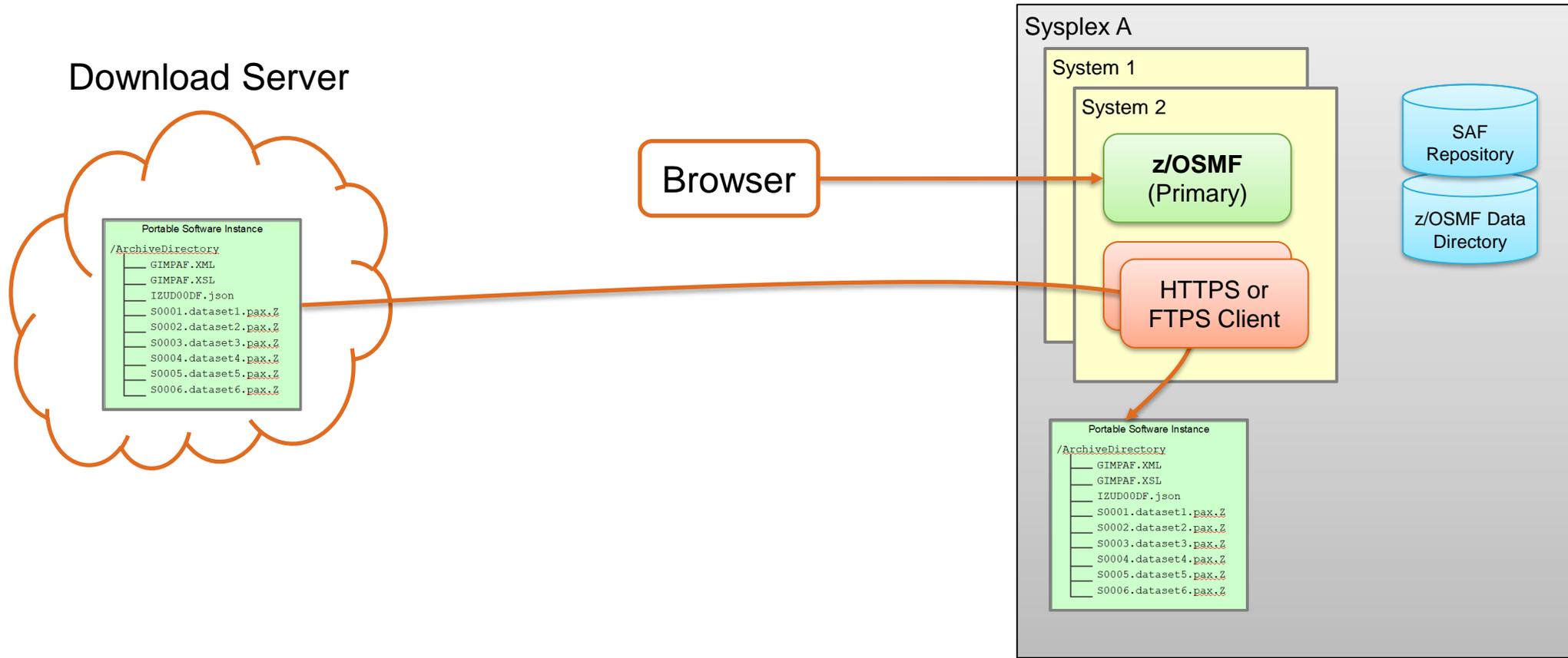
\* Server XML:

```
<SERVER
host="deliverxcb-bld.dhe.ibm.com"
user="p4421311"
pw="p55345Dg998234"
>
<PACKAGE
file="2020123050607/GIMPAF.XML"
hash="738DB355CCDB62FE0DA8E50639E495A23A3A863B"
id="OS2540001.content"
>
</PACKAGE>
</SERVER>
```

# Acquiring a Portable Software Instance: Download direct to z/OS...

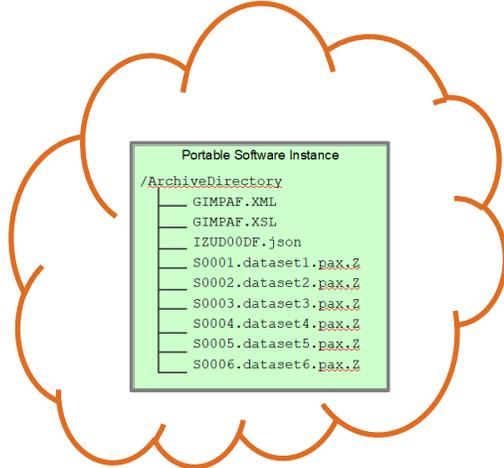


# Acquiring a Portable Software Instance: Download direct to z/OS...



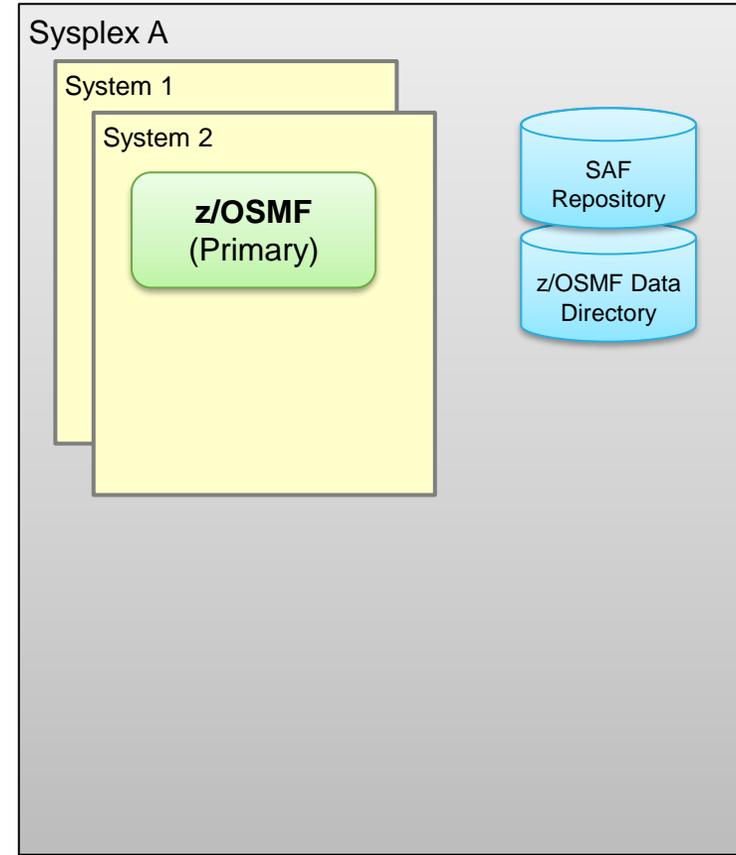
# Acquiring a Portable Software Instance: Store and Forward to z/OS

## Download Server

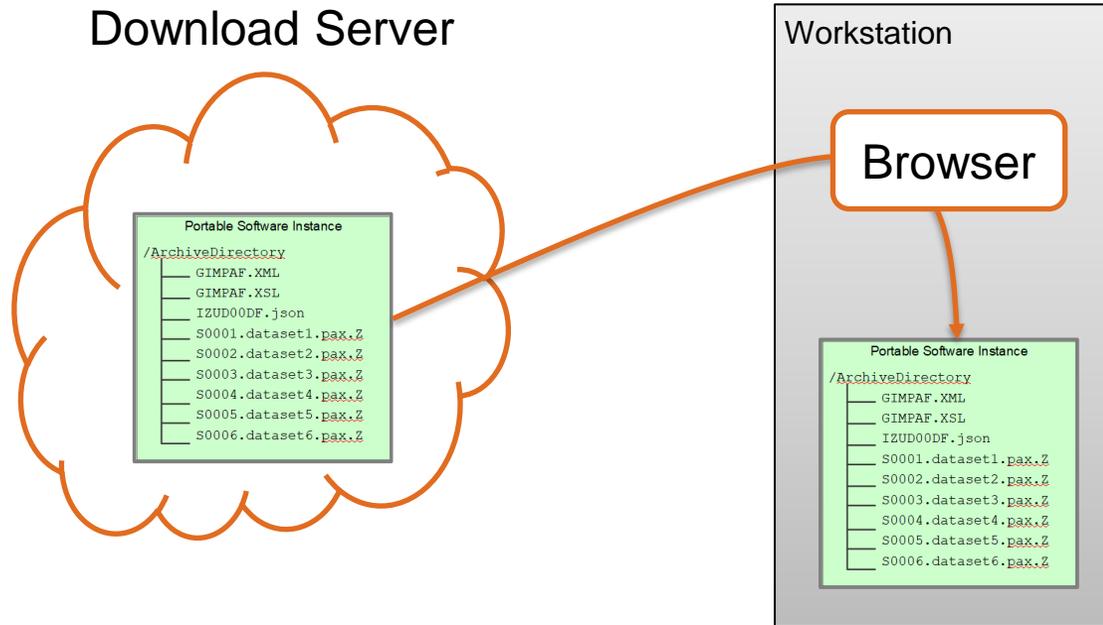


## Workstation

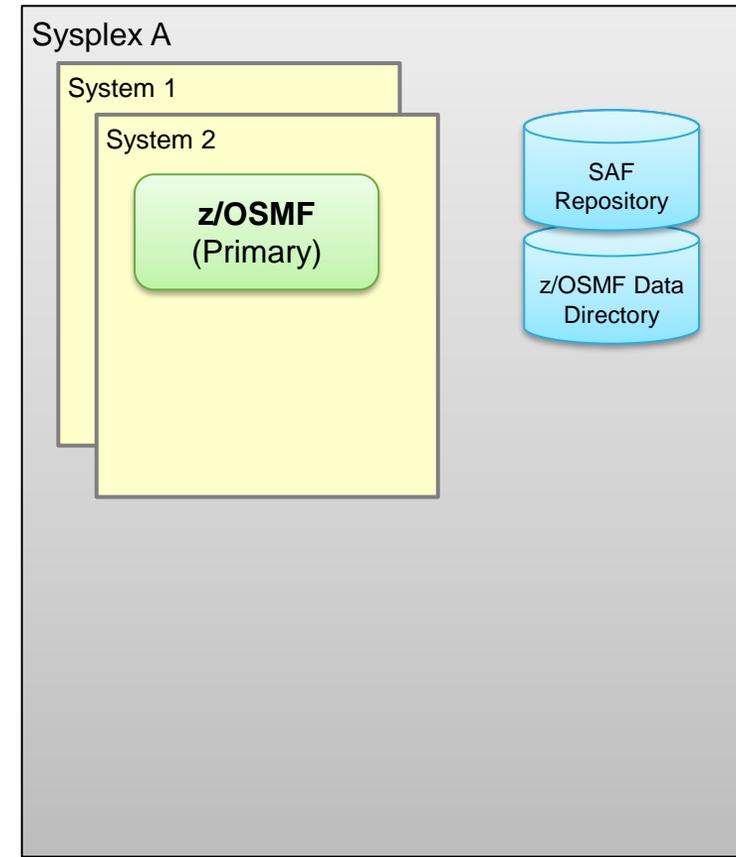
Browser



# Acquiring a Portable Software Instance: Store and Forward to z/OS ...



Download the PSWI files from the provider's server to your **workstation**.



# Acquiring a Portable Software Instance: Store and Forward to z/OS ...

Select the action to  
Add a new Portable  
Software Instance from  
your **workstation**.

The screenshot shows the 'Software Management' console window. The title bar reads 'Software Management'. Below the title bar, the breadcrumb navigation shows 'Software Management > Portable Software Instances' and a 'Help' link is visible in the top right corner. The main heading is 'Portable Software Instances'. To the right of this heading is a 'Switch To:' dropdown menu. Below the heading is a table with columns: 'Description Filter', 'Activity Filter', 'System Filter', 'File Location Filter', and 'Category Filter'. The table contains two rows of data. The first row has a description 'ServerPac/CICS: OT246095, d on 2020-09-16', system 'AQFT', and file location '/u/kurtq/serverpac/CICS-2019-09-16'. The second row has a description 'GA on Dec 6, 2019, ceived by MARNA. CICS: OS210354', system 'AQFT', and file location '/u/kurtq/KurtCICSPSIGaDec62019'. An 'Actions' dropdown menu is open over the table, showing options: 'Modify', 'View', 'Open Deployments', 'Complete Add', 'Remove...', 'Add...', 'Select All', 'Deselect All', 'Configure Columns...', 'Hide Filter Row', 'Clear Sorts', 'Export Table Data', and 'Print Table Data'. The 'Add...' option is highlighted, and a sub-menu is open over it, showing 'From z/OSMF System', 'From Local Workstation', and 'From Download Server'. A red arrow points to the 'From Local Workstation' option.

Description Filter	Activity Filter	System Filter	File Location Filter	Category Filter
ServerPac/CICS: OT246095, d on 2020-09-16		AQFT	/u/kurtq/serverpac/CICS-2019-09-16	
GA on Dec 6, 2019, ceived by MARNA. CICS: OS210354		AQFT	/u/kurtq/KurtCICSPSIGaDec62019	

# Acquiring a Portable Software Instance: Store and Forward to z/OS ...

The Browse button allows you to select the files on your workstation.

z/OSMF then uploads those files to your z/OS.

The screenshot displays the 'Software Management' console interface. The main window is titled 'Add Portable Software Instance From Local Workstation' and contains the following elements:

- Navigation: Software Management > Portable Software Instances > Add Portable Software Instance
- Section: **Add Portable Software Instance From Local Workstation**
- Instruction: Select all of the files on your local workstation for the portable software instance you want to add.
- Local File selected: 12 files. A 'Browse' button is highlighted with a red arrow.
- Specify the UNIX directory on system "AQFT" where the portable software instance files will be stored.
- File location (UNIX file): /u/kurtq/KurtCICSPSIGaDec62019
- Upload button

Overlaid on the right is a 'File Upload' dialog window showing a file explorer view of the local workstation:

- Path: This PC > Windows (C:) > Suser > pswi > cicsServerPac
- Search: Search cicsServerPac
- Table of files:

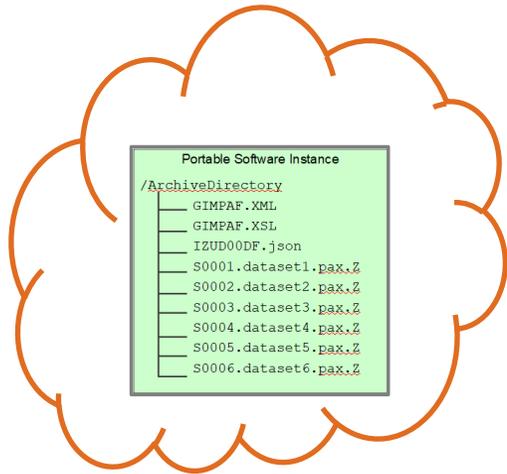
Name	Date modified	Type	Size
GIMPAF.XML	2/7/2020 5:14 PM	XML File	204 KB
GIMPAF.XSL	2/7/2020 5:14 PM	XSL Stylesheet	5 KB
IZUD00DF.json	2/7/2020 5:14 PM	JSON File	176 KB
S0002.KURTO.CICSGA.CBK.ACBKDWLD.p...	2/7/2020 5:14 PM	Z File	21,042 KB
S0003.KURTO.CICSGA.CBK.ACBKEXEC.pa...	2/7/2020 5:14 PM	Z File	189 KB
S0004.KURTO.CICSGA.CBK.ACBKINST.pax...	2/7/2020 5:14 PM	Z File	32 KB
S0005.KURTO.CICSGA.CBK.ACBKMENUP...	2/7/2020 5:14 PM	Z File	32 KB
S0006.KURTO.CICSGA.CBK.ACBKMJPN.p...	2/7/2020 5:14 PM	Z File	32 KB
S0007.KURTO.CICSGA.CBK.ACBKMOD.pa...	2/7/2020 5:14 PM	Z File	378 KB
S0008.KURTO.CICSGA.CBK.ACBKPENU.pa...	2/7/2020 5:14 PM	Z File	158 KB
S0009.KURTO.CICSGA.CBK.ACBKPJPN.pa...	2/7/2020 5:14 PM	Z File	158 KB
S0010.KURTO.CICSGA.CBK.ACBKSAMP.p...	2/7/2020 5:14 PM	Z File	95 KB
S0011.KURTO.CICSGA.CBK.ACBKTENU.pa...	2/7/2020 5:14 PM	Z File	32 KB
S0012.KURTO.CICSGA.CBK.ACBKTJPN.pa...	2/7/2020 5:14 PM	Z File	32 KB
S0013.KURTO.CICSGA.CBK.SCBKDWLD.p...	2/7/2020 5:14 PM	Z File	21,042 KB
S0014.KURTO.CICSGA.CBK.SCBKXFC.pa...	2/7/2020 5:14 PM	Z File	189 KB

File name: "S0369.KURTO.CICSGA.OMVS.CICSTS.CICSTS54.pax.Z" "GIMPAF.XML" All Files (\*.\*)

Buttons: Open, Cancel

# Acquiring a Portable Software Instance: Store and Forward to z/OS ...

## Download Server



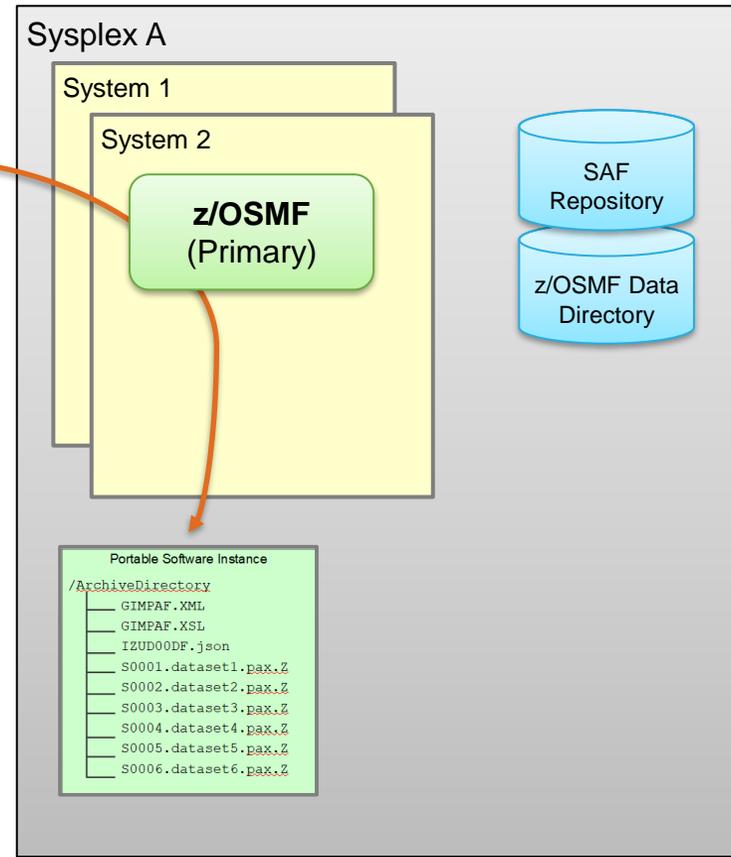
z/OSMF uploads  
the files to your  
z/OS.

## Workstation

Browser

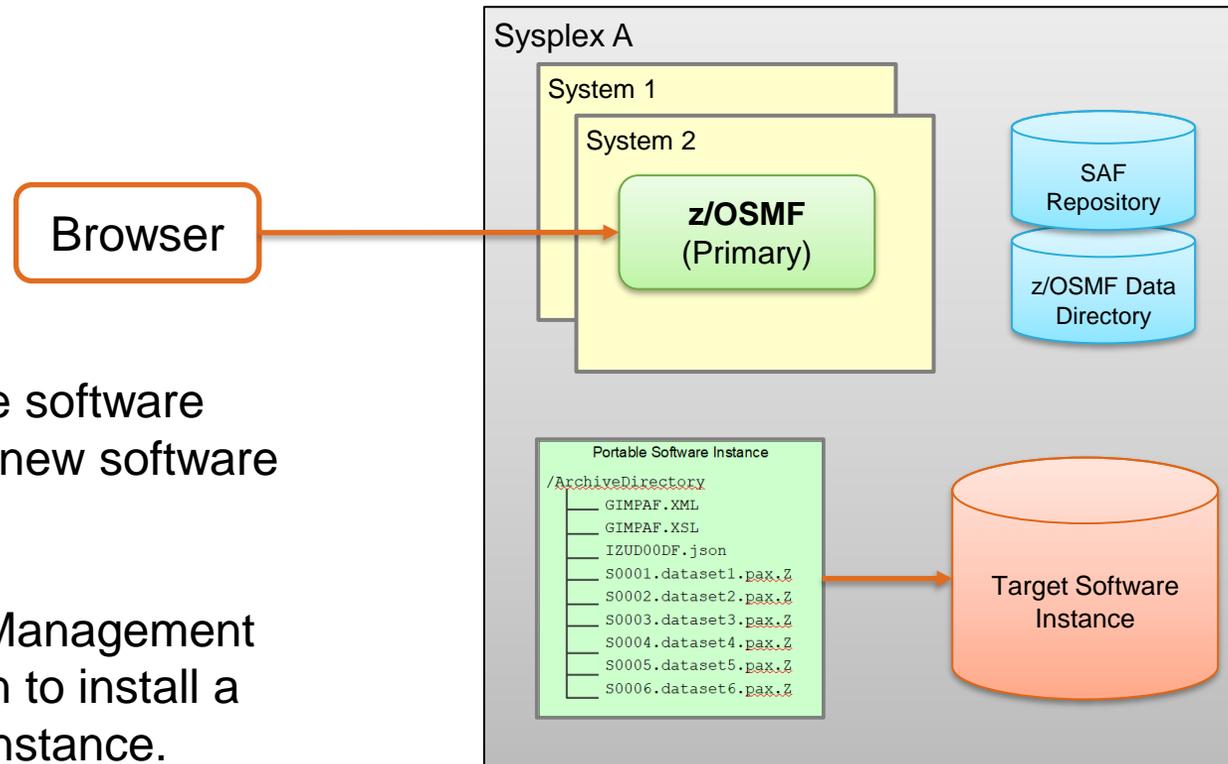
Portable Software Instance

```
/ArchiveDirectory  
├── GIMPAF.XML  
├── GIMPAF.XSL  
├── IZUD00DF.json  
├── S0001.dataset1.pax.Z  
├── S0002.dataset2.pax.Z  
├── S0003.dataset3.pax.Z  
├── S0004.dataset4.pax.Z  
├── S0005.dataset5.pax.Z  
└── S0006.dataset6.pax.Z
```



# Install a Portable Software Instance

# Install a Portable Software Instance



Installing a portable software instance creates a new software instance.

Use the Software Management **Deployment** action to install a portable software instance.

# Install a Portable Software Instance

## Driving system requirements

- To install z/OS using z/OSMF Software Management be sure you have the latest required PTFs on your z/OS 2.3, 2.4, or 2.5 driving system.
  - Use the SMP/E REPORT MISSINGFIX command and fix category “IBM.DrivingSystem-RequiredService” to determine if you’re missing any PTFs

```
SET BDY (GLOBAL) .
```

```
REPORT MISSINGFIX ZONES (ZOS24)
```

```
FIXCAT (IBM.DrivingSystem-RequiredService) .
```

- See “ServerPac Installation using z/OSMF” for more information:  
<https://www.ibm.com/support/z-content-solutions/serverpac-install-zosmf/>

# Install a Portable Software Instance Overview

Create a new Deployment operation.

Deployment steps:

1. Select the **source** Portable Software Instance.
2. Select the **deployment objective**.
3. For SMP/E managed software, **check for missing requisites** and possible **regressions**.
4. Create a **Configuration** to describe where the source will be installed.
5. Validate the configuration and **Generate Deployment Jobs**.
6. **Execute generated jobs** to install the source and create the Target Software Instance.
7. Execute **workflows** to perform setup and configuration tasks for the installed software.

The screenshot shows a dialog box titled "Deployment Checklist" with a breadcrumb path: "Software Management > Deployments > Deployment Checklist". Below the title, it says "To deploy software, complete the checklist." The main content is a table with two columns: "Progress" and "Step". The first row has a progress indicator (a circle with a right-pointing arrow) and the step "Specify the properties for this deployment." The subsequent rows have empty progress indicators and steps: "Select the software to deploy.", "Select the objective for this deployment.", "Configure this deployment.", "Define the job settings. z/OSMF creates the deployment summary and jobs. • View the deployment summary.", "Submit deployment jobs.", and "Specify the properties for the target software instance." At the bottom of the dialog is a "Close" button.

Progress	Step
→	Specify the properties for this deployment.
	Select the software to deploy.
	Select the objective for this deployment.
	Configure this deployment.
	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li>• View the deployment summary.</li></ul>
	Submit deployment jobs.
	Specify the properties for the target software instance.

Close

# Install a Portable Software Instance...

## Select the source

Select the portable software instance that you want to install.

Remember, you added the portable software instance earlier.

Software Management

Software Management > Deployments > Deployment Checklist > Select Software

### Select Software

Select the type of software to deploy:

Software Instance  Portable Software Instance

Portable Software Instances

Actions ▾

↔ 21 of 37 items shown. [Clear filter](#)

	Name Filter	Description Filter	Activity Filter	System Filter	File Location Filter
		Update.			
<input type="radio"/>	<a href="#">DU000299-zOSv25</a>	ServerPac: DU000299 Early look at z/OS V2.5 Beta product in a z/OSMF ServerPac. Received 4/15/2021	Being deployed	AQFT	/u/mvsbuild/c90nts/DU000299
<input checked="" type="radio"/>	<a href="#">OS254001-Marna-zOSv2r5-RBP</a>	ServerPac: OS254001 Marna's Order for testing for RBP	Being deployed	AQFT	/u/mvsbuild/c90nts /zOSV25_RBP_OS254001
<input type="radio"/>	<a href="#">TheBoxIII_PTFsXXXX</a>	The Box III, Gavin Belson Signature Edition, by Hooli		AQFT	/u/mwalle/PSI/Hooli_Jan20_PSI

# Install a Portable Software Instance...

## Select the Deployment objective

Indicate where and how you want to install the selected portable software instance.

Software Management

Software Management > Deployments > Deployment Checklist

### Deployment Checklist

To deploy software, complete the checklist.

Checklist

Progress	Step
☑	<a href="#">Specify the properties for this deployment.</a>
☑	<a href="#">Select the software to deploy.</a>
➔	<a href="#">Select the objective for this deployment.</a>
	Check for missing SYSMODs. <ul style="list-style-type: none"><li>• <a href="#">View missing SYSMOD reports.</a></li></ul>
	Configure this deployment.
	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li>• <a href="#">View the deployment summary.</a></li></ul>
	Submit deployment jobs.
	Perform workflows.
	Specify the properties for the target software instance.

Close

# Install a Portable Software Instance...

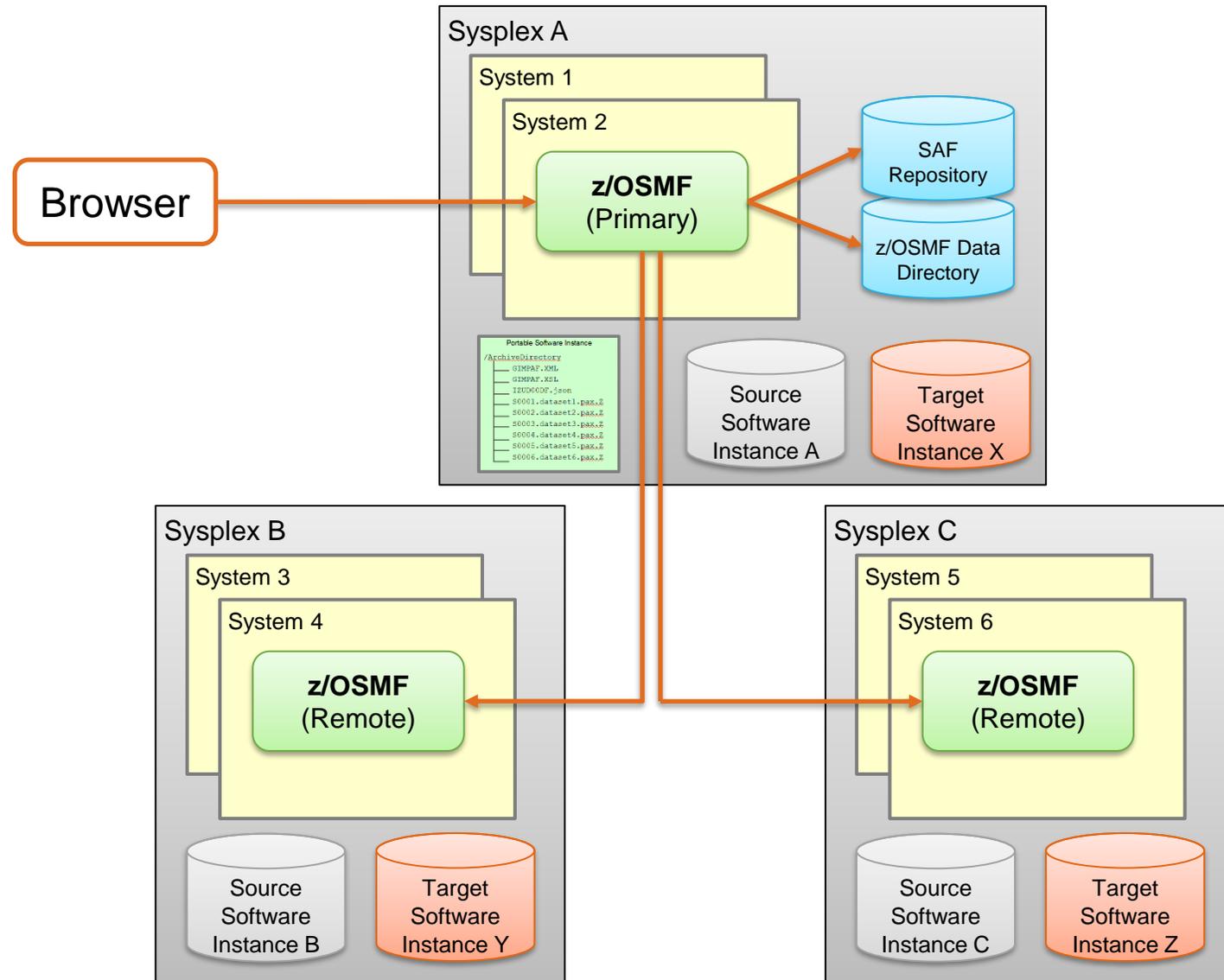
## Select the Deployment objective...

- Which global zone do you want to use for the new software instance?
  - Create a new global zone, or
  - Connect to an existing global zone.
- Create a new software instance or replace an existing software instance?
  - If creating new, the source will be copied.
  - If replacing, an existing software instance will be deleted and the source will be copied.
- Which sysplex do you want to deploy to?
  - Eligible sysplexes have z/OSMF servers.

# z/OSMF Software Management Topology

The **primary** z/OSMF server communicates with the **remote** z/OSMF servers.

Any z/OSMF host system can be a source or target or both for a deployment.



# Install a Portable Software Instance...

## Select the Deployment objective...

- Create a new master catalog or use the existing master catalog?
  - **Existing master catalog.** Use this option if:
    - You will **not** IPL the new z/OS from the target system data sets and will assign unique names for the target data sets.  
**OR**
    - You will IPL the new z/OS with your existing master catalog, current data sets in your existing master catalog are indirectly cataloged, and you want z/OSMF and SMP/E to reference the target system data sets by their true names and their volume.
  - **New target system master catalog.** Use this option if:
    - You will IPL the new z/OS with a brand-new master catalog.  
**AND**
    - You want to create a temporary catalog alias (aka SSA) used by z/OSMF and SMP/E to reference the target system data sets by unique names and without a volume.

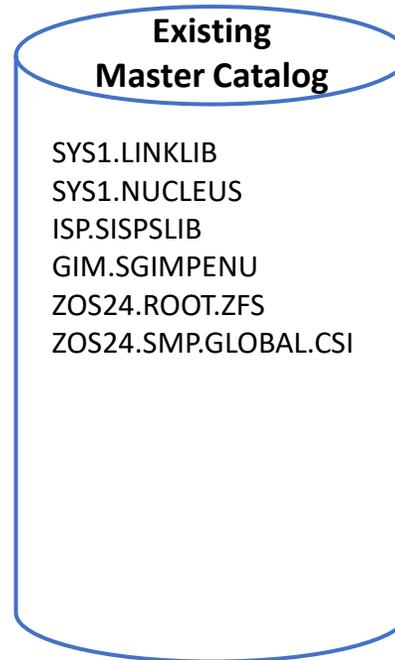
# Install a Portable Software Instance...

## Select the Deployment objective...

### Catalog scenarios

#### Existing z/OS 2.4 master catalog

- z/OS 2.4 data sets are directly cataloged and have unique names.



#### Legend:

- Data Set entry
- Catalog Alias entry
- Data Set Alias entry

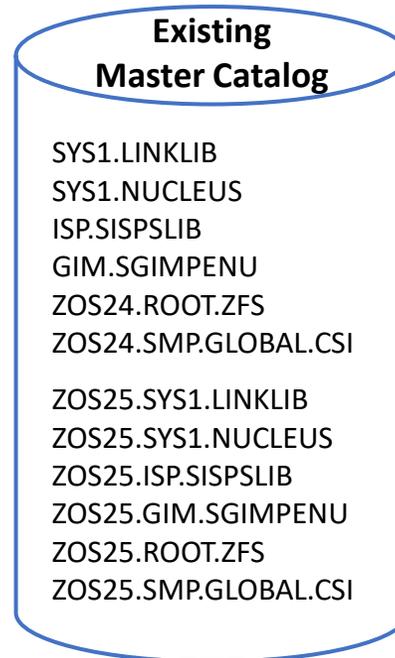
# Install a Portable Software Instance...

## Select the Deployment objective...

### Catalog scenarios...

#### Install z/OS 2.5 using existing master catalog

- z/OS 2.4 data sets are directly cataloged and have unique names.
- z/OS 2.5 data sets are directly cataloged and have unique names.
- Cannot IPL z/OS 2.5 as is.



#### Legend:

- Data Set entry
- Catalog Alias entry
- Data Set Alias entry

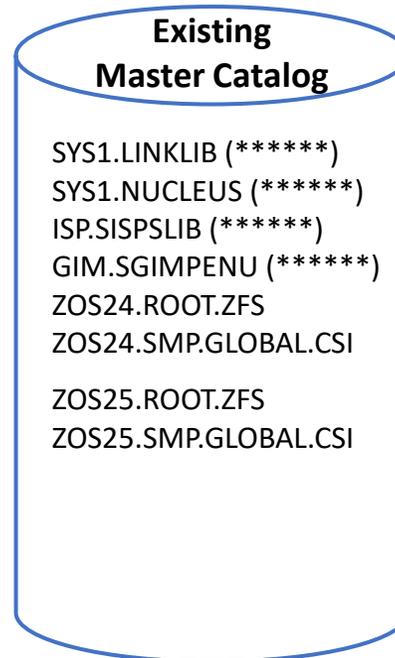
# Install a Portable Software Instance...

## Select the Deployment objective...

### Catalog scenarios...

#### Install z/OS 2.5 using existing master catalog + indirect cataloging

- Indirectly cataloged z/OS 2.4 and 2.5 data sets have the same name.
- Directly cataloged data sets have unique names.
- Indirectly cataloged data sets must be referenced by volume.
- Both z/OS 2.4 and 2.5 may be IPL'd with the existing master catalog.



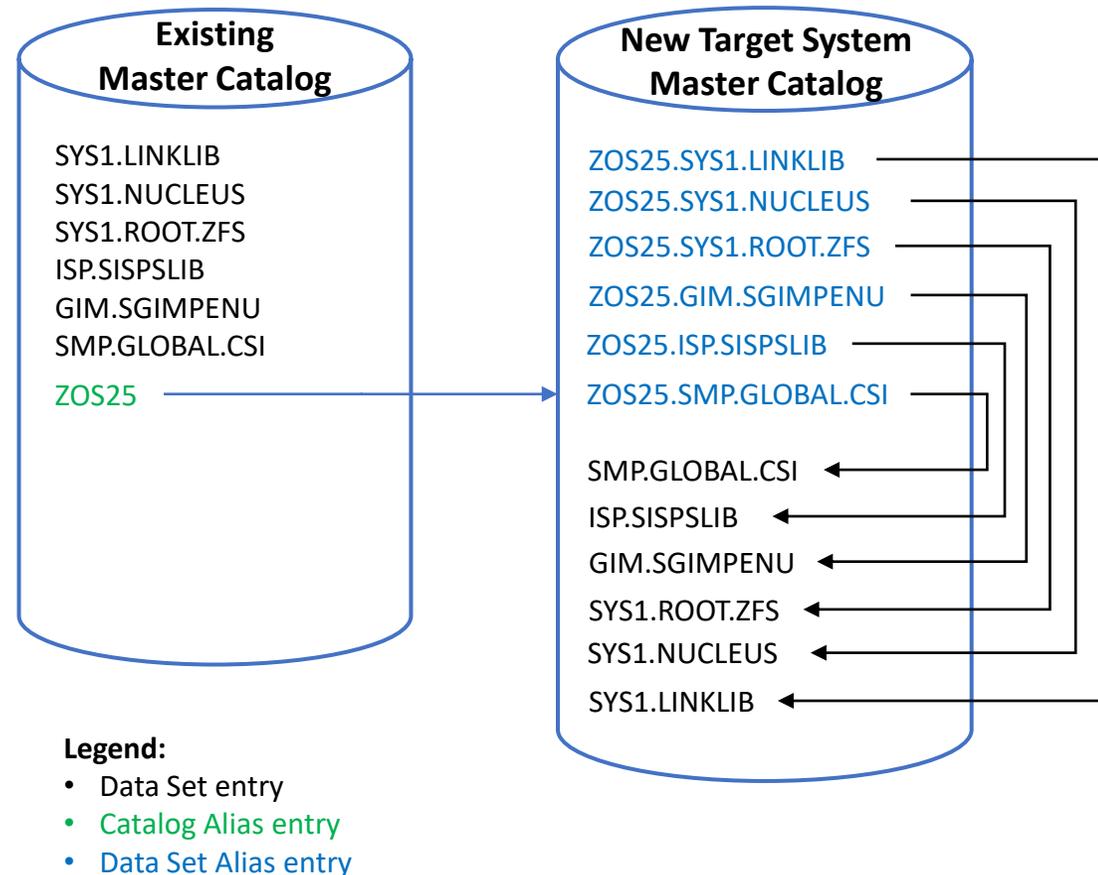
#### Legend:

- Data Set entry
- Catalog Alias entry
- Data Set Alias entry

# Install a Portable Software Instance... Select the Deployment objective... Catalog scenarios...

## Install z/OS 2.5 creating a new master catalog

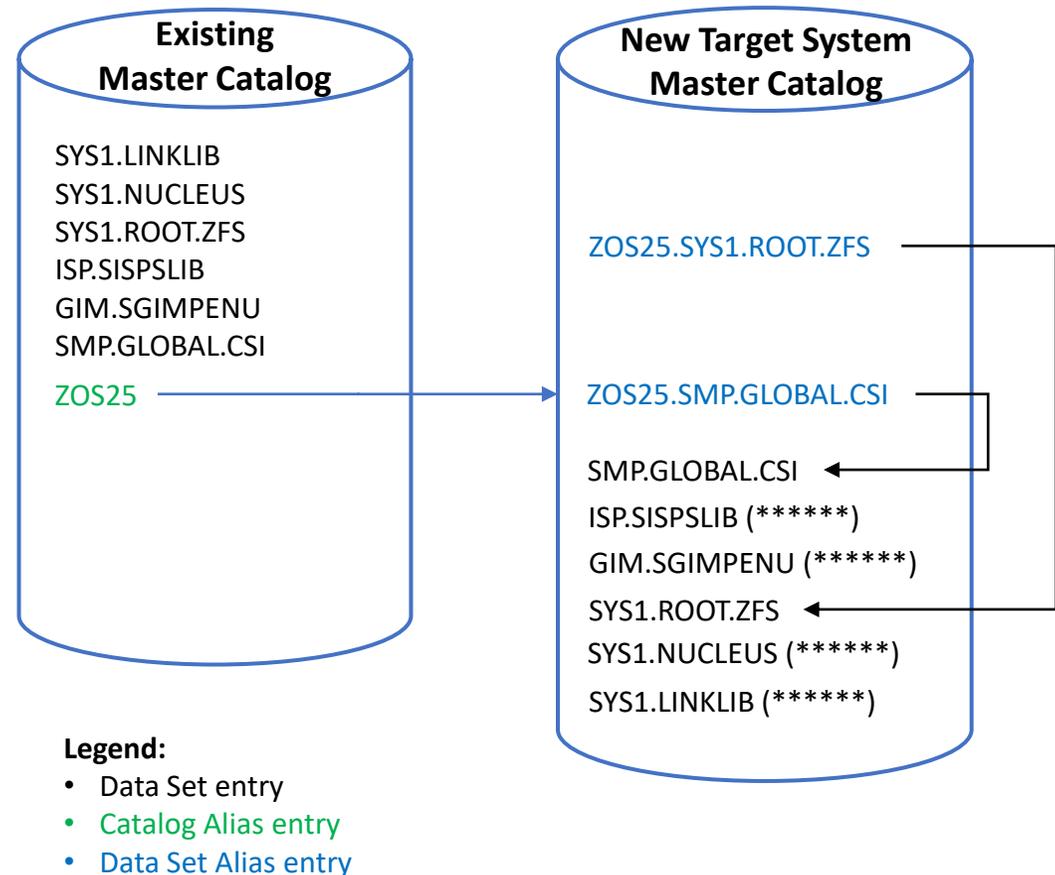
- z/OS 2.4 and 2.5 data sets have the same name.
- z/OS 2.4 and 2.5 data sets are directly cataloged.
- z/OS 2.5 data sets are accessible from both the driving and target system catalogs.
- z/OS 2.5 may be IPL'd with the new master catalog.



# Install a Portable Software Instance... Select the Deployment objective... Catalog scenarios...

## Install z/OS 2.5 creating a new master catalog + indirect cataloging

- z/OS 2.4 and 2.5 data sets have the same name.
- Directly cataloged z/OS 2.5 data sets are accessible from both the driving and target system catalogs.
- Indirectly cataloged z/OS 2.5 data sets must be referenced by volume.
- z/OS 2.5 may be IPL'd with the new master catalog.



# Install a Portable Software Instance...

## Select the Deployment objective...

In this example we will:

1. Create a new software instance
2. with a new global zone
3. Create a new master catalog

Software Management

Software Management > Deployments > Deployment Checklist > Select Deployment Objective [Help](#)

### Select Deployment Objective

This deployment creates a copy of the source software. 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
  - Another existing global zone CSI
- Replace an existing software instance, and connect the new instance to the existing instance's global zone CSI. [Learn more...](#)

Select the system where the target software instance will reside.

\* Target system:

pev171 [Select...](#)

Catalogs:

Are you deploying z/OS? Yes

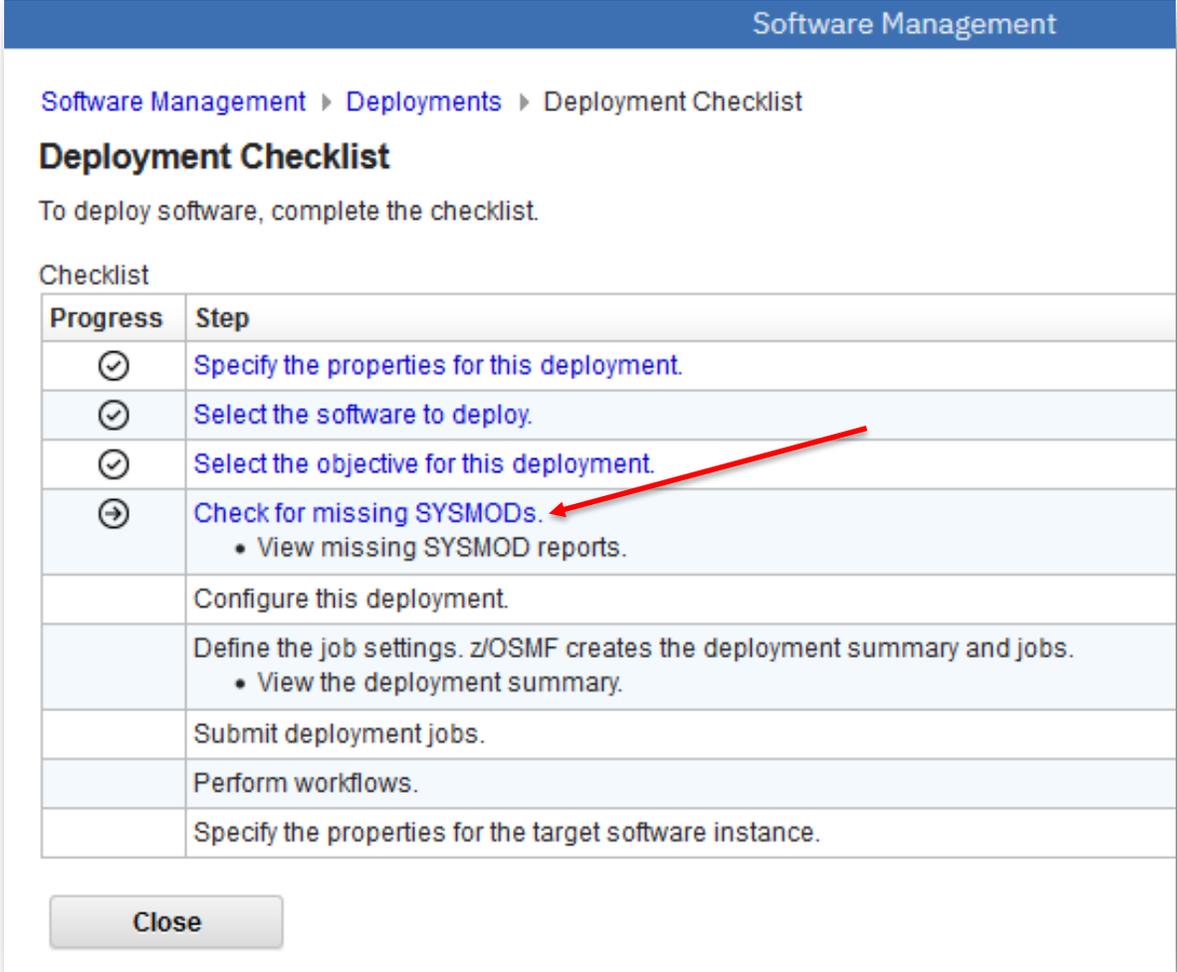
Indicate which catalogs to use for the new target z/OS data sets. For additional help on making the proper selection [Learn more...](#)

- New target system master catalog:** Target system data sets will be cataloged in a new master catalog or new user catalogs connected to the new master catalog.
  - [i](#) Use this option if:
    - You will IPL the new z/OS with a brand-new master catalog **and**
    - You want to create a temporary catalog alias used by z/OSMF and SMP/E to reference the target system data sets by unique names and without a volume.
- Existing master catalog:** Target system data sets will be cataloged in the existing master catalog, existing user catalogs, or new user catalogs connected to the existing master catalog.
  - [i](#) Use this option if:

# Install a Portable Software Instance...

## Check for missing SYSMODs

The Check for missing SYSMODs step is available when deploying SMP/E managed software.



Software Management

Software Management ▶ Deployments ▶ Deployment Checklist

### Deployment Checklist

To deploy software, complete the checklist.

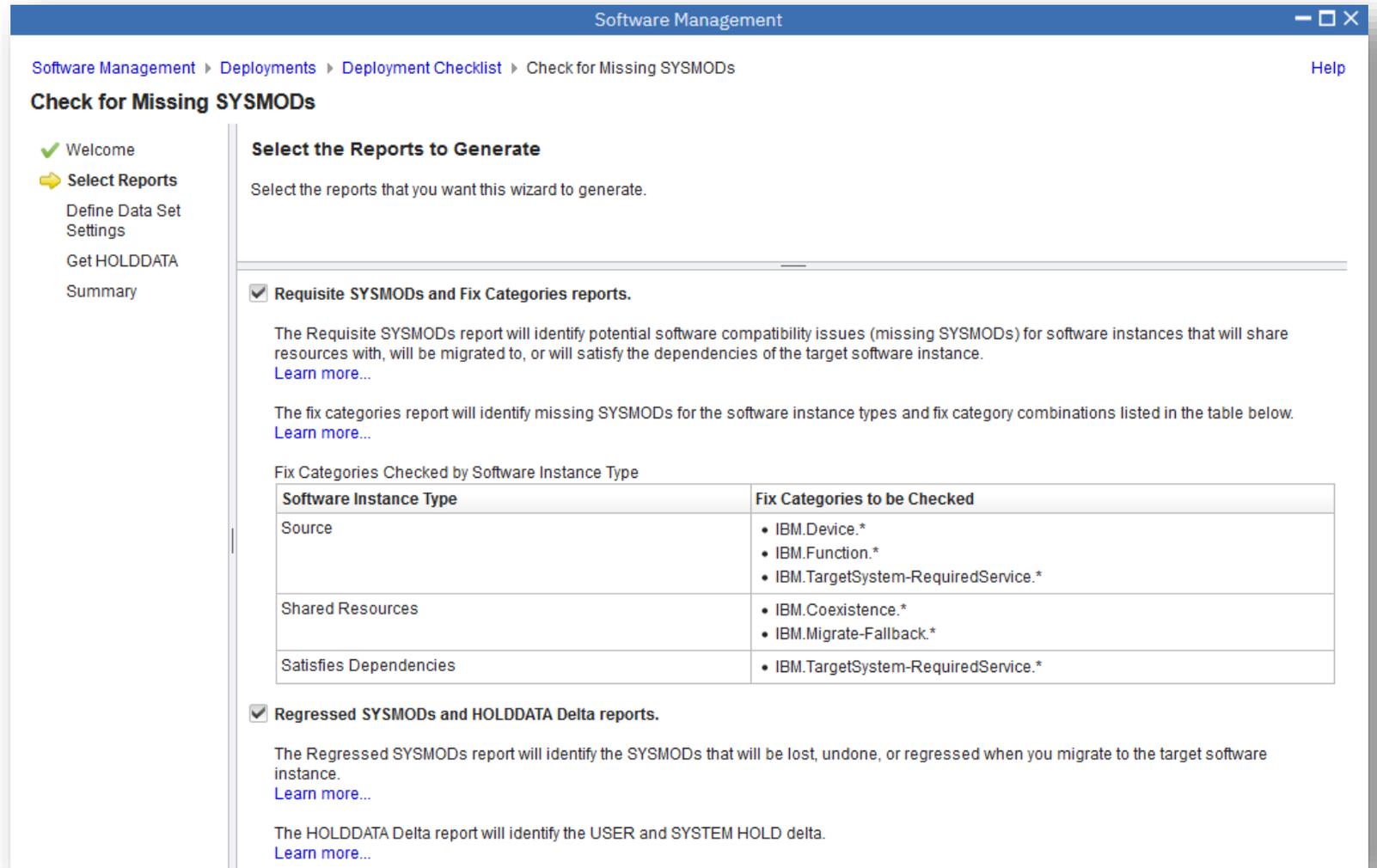
Checklist

Progress	Step
☑	Specify the properties for this deployment.
☑	Select the software to deploy.
☑	Select the objective for this deployment.
➡	Check for missing SYSMODs.  <ul style="list-style-type: none"><li>• View missing SYSMOD reports.</li></ul>
	Configure this deployment.
	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li>• View the deployment summary.</li></ul>
	Submit deployment jobs.
	Perform workflows.
	Specify the properties for the target software instance.

Close

# Install a Portable Software Instance... Check for missing SYSMODs...

Select which checking  
to perform.



Software Management

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

### Check for Missing SYSMODs

✓ Welcome

➔ Select Reports

Define Data Set Settings

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	<ul style="list-style-type: none"><li>• IBM.Device.*</li><li>• IBM.Function.*</li><li>• IBM.TargetSystem-RequiredService.*</li></ul>
Shared Resources	<ul style="list-style-type: none"><li>• IBM.Coexistence.*</li><li>• IBM.Migrate-Fallback.*</li></ul>
Satisfies Dependencies	<ul style="list-style-type: none"><li>• IBM.TargetSystem-RequiredService.*</li></ul>

**Regressed SYSMODs and HOLDDATA Delta reports.**

The Regressed SYSMODs report will identify the SYSMODs that will be lost, undone, or regressed when you migrate to the target software instance.  
[Learn more...](#)

The HOLDDATA Delta report will identify the USER and SYSTEM HOLD delta.  
[Learn more...](#)

# Install a Portable Software Instance...

## Check for missing SYSMODs...

- Check for missing requisites:
  - Software Management will identify **missing requisite SYSMODs** to ensure the deployed software can safely run in the target environment.
- Check for regressions:
  - When a prior level software instance will be logically or physically replaced by the target software instance:
    - Identify **SYSMODs** that will be **regressed**.
      - Compare the prior level instance with the source.
      - SYSMODs in the prior level instance that are not in the source will be regressed.
    - Identify **HOLDDATA** that needs review.
      - Compare the source with the prior level instance.
      - SYSTEM and USER Holds for SYSMODs in the source that are not in the prior level instance need review.

# Install a Portable Software Instance... Configure

The Configure wizard defines the target software instance:

- Indicate if DLIBs should be installed.
- Select a model for the initial configuration.
- Modify each of the following in the initial configuration:
  - SMP/E target and dlib zones
  - Data sets
  - Catalogs
  - Volumes
  - UNIX file system mount points

Software Management

Software Management > Deployments > Deployment Checklist

### Deployment Checklist

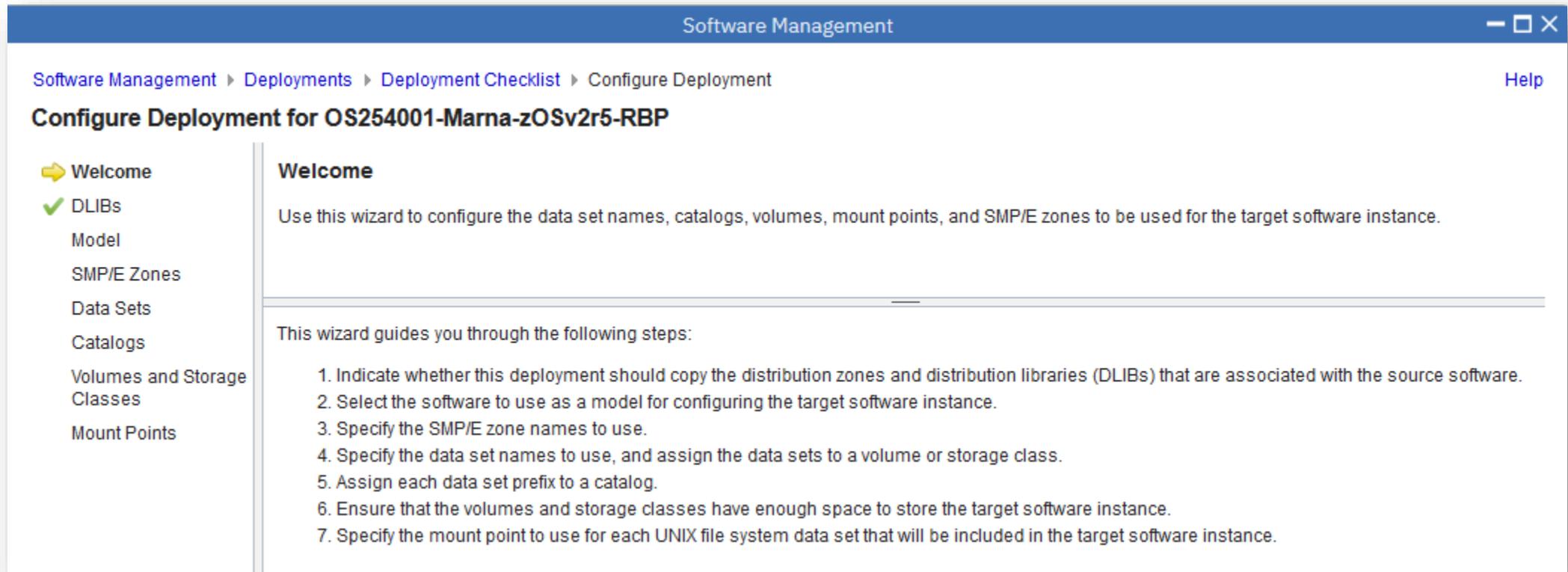
To deploy software, complete the checklist.

Checklist

Progress	Step
☑	<a href="#">Specify the properties for this deployment.</a>
☑	<a href="#">Select the software to deploy.</a>
☑	<a href="#">Select the objective for this deployment.</a>
☑	<a href="#">Check for missing SYSMODs.</a> <ul style="list-style-type: none"><li>• <a href="#">View missing SYSMOD reports.</a></li></ul>
🔄	<a href="#">Configure this deployment.</a>
	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li>• <a href="#">View the deployment summary.</a></li></ul>
	Submit deployment jobs.
	Perform workflows.
	Specify the properties for the target software instance.

Close

# Install a Portable Software Instance... Configure...



The screenshot shows a web-based interface for 'Software Management'. The breadcrumb trail is 'Software Management > Deployments > Deployment Checklist > Configure Deployment'. The main heading is 'Configure Deployment for OS254001-Marna-zOSv2r5-RBP'. A left-hand navigation pane lists steps: 'Welcome' (active), 'DLIBs', 'Model', 'SMP/E Zones', 'Data Sets', 'Catalogs', 'Volumes and Storage Classes', and 'Mount Points'. The main content area is titled 'Welcome' and contains the following text: '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.' Below this, it states 'This wizard guides you through the following steps:' followed by a numbered list of seven steps.

Software Management

Software Management > Deployments > Deployment Checklist > Configure Deployment [Help](#)

## Configure Deployment for OS254001-Marna-zOSv2r5-RBP

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

### 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:

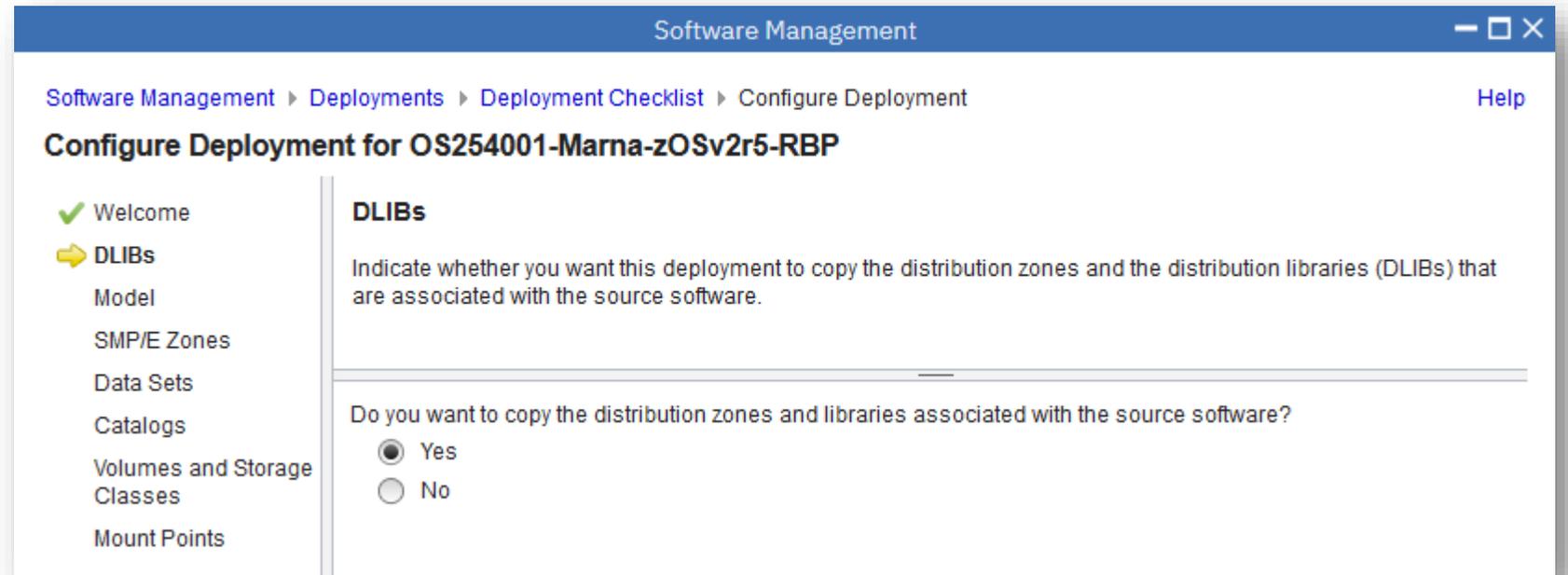
1. Indicate whether this deployment should copy the distribution zones and distribution libraries (DLIBs) that are associated with the source software.
2. Select the software to use as a model for configuring the target software instance.
3. Specify the SMP/E zone names to use.
4. Specify the data set 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.

# Install a Portable Software Instance...

## Configure – Deploy distribution libraries?

Deploy distribution zones and libraries?

- If included, a complete SMP/E environment capable of APPLY operations will be created, with a full global zone and SMPPTS.
- If not included, only a minimal global zone will be created and no SMPPTS.



# Install a Portable Software Instance... Configure – Model

Choose how to initialize the configuration.

- To reduce the changes you need to make in the configuration select your existing installed z/OS 2.4 (or 2.3) SWI as the model.
  - If not already defined, click Actions -> Add and follow the wizard steps.
- Otherwise use the source data set names and volumes to initialize the configuration.

Software Management

Software Management > Deployments > Deployment Checklist > Configure Deployment

### Configure Deployment for OS254001-Marna-zOSv2r5-RBP

Model

Select the software 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 are associated with the model to prime the corresponding values for the target software instance.

Select the software to use as a model.

The source software  
 An existing software instance

Software Instances

Actions ▾

13 of 63 items shown. Clear filter

Name contains "zos"	System Filter	Description Filter	Activity Filter	Global Zone CSI Filter	Target Zones Filter
<input type="radio"/> zOS-V24-N-1	AQFT	N-1 z/OS V2.4 autolink driver.		MVSBUILD.ZOS24N1.CSI	T24N1
<input type="radio"/> zOSV22	AQFT			MVSBUILD.ZOS22.CSI	TGT22
<input type="radio"/> zOSV2R1_Build	AQFT	The z/OS V2.1 work driver that zSHIP builds and maintains.	Workflows being performed	MVSBUILD.ZOS21.CSI	TGT21
<input type="radio"/> zOSV2R3	AQFT			MVSBUILD.ZOS23.SVT.CSI	TGT23
<input checked="" type="radio"/> zOSV2R4	AQFT			MVSBUILD.ZOS24.SVT.CSI	TGT24
<input type="radio"/> zOS_V2R4	AQFT	z/OS Software Instance for common Autolink V2.4 driver.	Being deployed	MVSBUILD.ZOS24.CSI	TGT24
<input type="radio"/> zOS_V2R4_Autolink	AQFT	z/OS 2.4 System, at most current service level.		MVSBUILD.ZOS24.CSI	TGT24

# Install a Portable Software Instance... Configure – Zones

Specify the desired zone names.

If connecting to an existing global zone, the zone names will be verified unique in that global.

Software Management

Software Management > Deployments > Deployment Checklist > Configure Deployment Help

### Configure Deployment for OS254001-Marna-zOSv2r5-RBP

- ✓ 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 data in 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	Target DLIB Zone Filter	Messages Filter	Source Target Zone Filter	Source DLIB Zone Filter
ZOS25T	ZOS25D		MVST100	MVSD100
JES325T	JES325D		MVST111	MVSD111

# Install a Portable Software Instance... Configure – Data Sets

- For all data sets in the source software instance:
  - Target and distribution libraries
  - UNIX file system data sets
  - Non-SMP/E managed data sets
  - SMPCSI and related data sets
- Filter and sort on any column.
- Select one or more data sets and click the **Modify** action.

The screenshot shows the 'Configure Deployment' interface for OS254001-Marna-zOSv2r5-RBP. The left sidebar contains a navigation menu with 'Data Sets' selected. The main area displays the 'Data Sets' table, which lists various data sets with columns for Target Data Set Name, Target Volume, Target Storage Class, Tracks, Data Set Category, Data Set Type, RECFM, Messages, and Source Data Set Name. The table is currently filtered with 'No filter applied'.

<input type="checkbox"/>	Target Data Set Name Filter	Target Volume Filter	Target Storage Class Filter	Tracks Filter	Data Set Category Filter	Data Set Type Filter	RECFM Filter	Messages Filter	Source Data Set Name Filter
<input type="checkbox"/>	AOP.AAOPEXEC	VSMPEA		15	Dlib	PDS	FB		CB.OS254001.AOP.AAOPEXEC
<input type="checkbox"/>	AOP.AAOPHFS	VSMPEA		3225	Dlib	PDS	VB		CB.OS254001.AOP.AAOPHFS
<input type="checkbox"/>	AOP.AAOPHJPN	VSMPEA		690	Dlib	PDS	VB		CB.OS254001.AOP.AAOPHJPN
<input type="checkbox"/>	AOP.AAOPMENU	VSMPEA		15	Dlib	PDS	FB		CB.OS254001.AOP.AAOPMENU
<input type="checkbox"/>	AOP.AAOPMJPN	VSMPEA		15	Dlib	PDS	FB		CB.OS254001.AOP.AAOPMJPN
<input type="checkbox"/>	AOP.AAOPMOD1	VSMPEA		285	Dlib	PDS	U		CB.OS254001.AOP.AAOPMOD1
<input type="checkbox"/>	AOP.AAOPPENU	VSMPEA		120	Dlib	PDS	FB		CB.OS254001.AOP.AAOPPENU
<input type="checkbox"/>	AOP.AAOPPJPJPN	VSMPEA		120	Dlib	PDS	FB		CB.OS254001.AOP.AAOPPJPJPN
<input type="checkbox"/>	AOP.SAOPEXEC	VSMPEA		15	Target	PDS	FB		CB.OS254001.AOP.SAOPEXEC
<input type="checkbox"/>	AOP.SAOPMENU	VSMPEA		15	Target	PDS	FB		CB.OS254001.AOP.SAOPMENU
<input type="checkbox"/>	AOP.SAOPMJPN	VSMPEA		15	Target	PDS	FB		CB.OS254001.AOP.SAOPMJPN
<input type="checkbox"/>	AOP.SAOPPENU	VSMPEA		120	Target	PDS	FB		CB.OS254001.AOP.SAOPPENU

Total: 847 Selected: 0

# Install a Portable Software Instance... Configure – Data Sets...

## On the **Modify Data Sets** page:

- Update data set names
- Update data set locations: volume, storage class, or system determined

Do **not** specify a temporary catalog alias (SSA) in the data set names. The alias will be added later.

Software Management

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: CB.OS254001.SYS1

Example data set name: CB.OS254001.SYS1.AACBCNTL

To:  SYS1.AACBCNTL

Specify a location for the selected data sets:

Volume  Storage class  System determined

Selected Data Sets

Actions

No filter applied

<input checked="" type="checkbox"/>	Target Data Set Name Filter	Target Volume Filter	Target Storage Class Filter	Tracks Filter	Data Set Category Filter	Data Set Type Filter	RECFM Filter	Messages Filter	Source Data Set Name Filter	Source Volumes Filter
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.AACBCNTL	VSMPEA		45	Dlib	PDS	FB		CB.OS254001.SYS1.AACBCNTL	ZSMSVR
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.AADFMAC1	VSMPEA		15	Dlib	PDS	FB		CB.OS254001.SYS1.AADFMAC1	ZSMSZI
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.AADRLIB	VSMPEA		150	Dlib	PDS	U		CB.OS254001.SYS1.AADRLIB	ZSMSUS
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.AADRYLIB	VSMPEA		30	Dlib	PDS	FB		CB.OS254001.SYS1.AADRYLIB	ZSMSWR
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.AAXREXEC	VSMPEA		30	Dlib	PDS	VB		CB.OS254001.SYS1.AAXREXEC	ZSMSYI
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.ABDTCLIO	VSMPEA		15	Dlib	PDS	FB		CB.OS254001.SYS1.ABDTCLIO	ZSMSZ5
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.ABDTHELP	VSMPEA		15	Dlib	PDS	FB		CB.OS254001.SYS1.ABDTHELP	ZSMSZC
<input checked="" type="checkbox"/>	CB.OS254001.SYS1.ABDTMAC	VSMPEA		165	Dlib	PDS	FB		CB.OS254001.SYS1.ABDTMAC	ZSMSZ0

# Install a Portable Software Instance... Configure – Data Sets...

- Select a data set and click the **Merge -> Add** action.
- Select candidate data sets to be merged with the target data set.
- SMP/E target data sets, including UNIX data sets, may be merged.

The screenshot shows the 'Software Management' interface for configuring a deployment. The main area is titled 'Data Sets' and contains a table with columns: Target Volume Filter, Target Storage Class Filter, Messages Filter, Is Merged Filter, Data Set Category (equals 'Target'), Data Set Type Filter, Tracks Filter, RECFM Filter, and Source Data Set Filter. A context menu is open over the table, with 'Merge' selected and 'Add' highlighted. The table lists various data sets, including 'CB.OS12345.SABCCGM.PROPS' and 'CB.OS12345.SABCLMOD'.

Target Volume Filter	Target Storage Class Filter	Messages Filter	Is Merged Filter	Data Set Category equals "Target"	Data Set Type Filter	Tracks Filter	RECFM Filter	Source Data Set Filter
	SMSIBMUC			Target	ZFS	15		IBMUSR6.CB.OS1
	SMSIBMUC			Target	ZFS	15		IBMUSR6.CB.OS1
	SMSIBMUC			Target	ZFS	15		IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	VB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	VB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDS	1	VB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDS	1	VB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	VB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	VB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	U	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	FB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	FB	IBMUSR6.CB.OS1
	SMSIBMUC			Target	PDSE	1	VB	IBMUSR6.CB.OS1

# Install a Portable Software Instance... Configure – Catalogs

By data set prefix, how and where do you want data sets cataloged?

- **Default Catalog:** The new target system master catalog.
- **Other Catalog:** You may define new user catalogs connected to the new master catalog.
- **Uncataloged:** If not required based on data set attributes (not VSAM or SMS-managed).

Use the Select Catalog action to select the default new master catalog and then Modify its properties.

Software Management

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for OS254001-Marna-zOSv2r5-RBP

✓ 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 assignments, 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 Catalog Filter	Temporary Catalog Alias Filter	Catalog the Data Sets? Filter	Catalog Name Filter	Catalog Type Filter	Messages Filter
<input type="checkbox"/>	AOP	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	ASM	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	AZD	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	BBL	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	CBC	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	CEE	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	CFZ	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	CPAC	New	NEWMCAT	Yes (Required)	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	CSF	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	EUVF	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	
<input type="checkbox"/>	FFST	New	NEWMCAT	Yes	CATALOG.MCAT	MASTER	

# Install a Portable Software Instance...

## Configure – Catalogs...

On the Modify Catalog page update the new master catalog's default properties:

- Name
- Location
- Size
- Temporary catalog alias (aka SSA)

Software Management

Software Management › Deployments › Deployment Checklist › Configure Deployment › Select Catalog › Modify Catalog

### Modify Catalog

\* Catalog name:  
CATALOG.ZOS25.MCAT

\* Specify a location for the selected data sets:

Volume  
VSMPTS

Storage class ⓘ  
Select or type

System determined ⓘ

\* Primary space (cylinders):  
50

\* Secondary space (cylinders):  
10

\* Temporary Catalog Alias  
ZOS25

# Install a Portable Software Instance... Configure – Volumes

For each volume specified as a data set location:

- Display volume capacity, current allocated space, and planned allocated space.
- Ensures each volume has enough free space for the data sets.
- Initialize the volume?
- Indirectly catalog data sets on the volume?

Software Management

Software Management > Deployments > Deployment Checklist > Configure Deployment Help

### Configure Deployment for OS254001-Marna-zOSv2r5-RBP

- ✓ 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	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 Catalog Entry Symbol Filter
<input type="radio"/>	VSMPEA	55689.38	34346.60	62			13117.44	85	No	Direct	
<input type="radio"/>	VSMPZ2	55689.38	1740.83	3			9011.28	85	No	Direct	
<input type="radio"/>	VSMPZ1	55689.38	22011.41	40			10535.26	85	No	Direct	

Total: 3 Selected: 0

##### Target Storage Classes

Actions ▾

↔ No filter applied

Storage Class Filter	Space Required (MB) Filter	
<input type="radio"/>	STANDARD	13363.58

# Install a Portable Software Instance... Configure – Volumes, Modify

Use the **Volume -> Modify** action to indicate:

- Initialize the volume before installing data sets.
- Indirectly catalog data sets on the volume.
  - If yes, specify the symbol to use when cataloging data sets on the volume.

Software Management

Software Management › Deployments › Deployment Checklist › Configure Deployment › Modify Volume

### Modify Volume VSMPD1

\* Volume:  
VSMPD1

Total capacity (MB):  
27844.69

Initialize volume: 

Yes  
 No

Catalog method:  
 Direct  
 Indirect

\* Indirect catalog entry symbol:   
&SYSR1

\* Planned threshold (%):  
85

Allocated Space

State	Allocated Space (MB)	Allocated Space (%)
Before deployment	16276.34	58
After deployment	20139.29	72

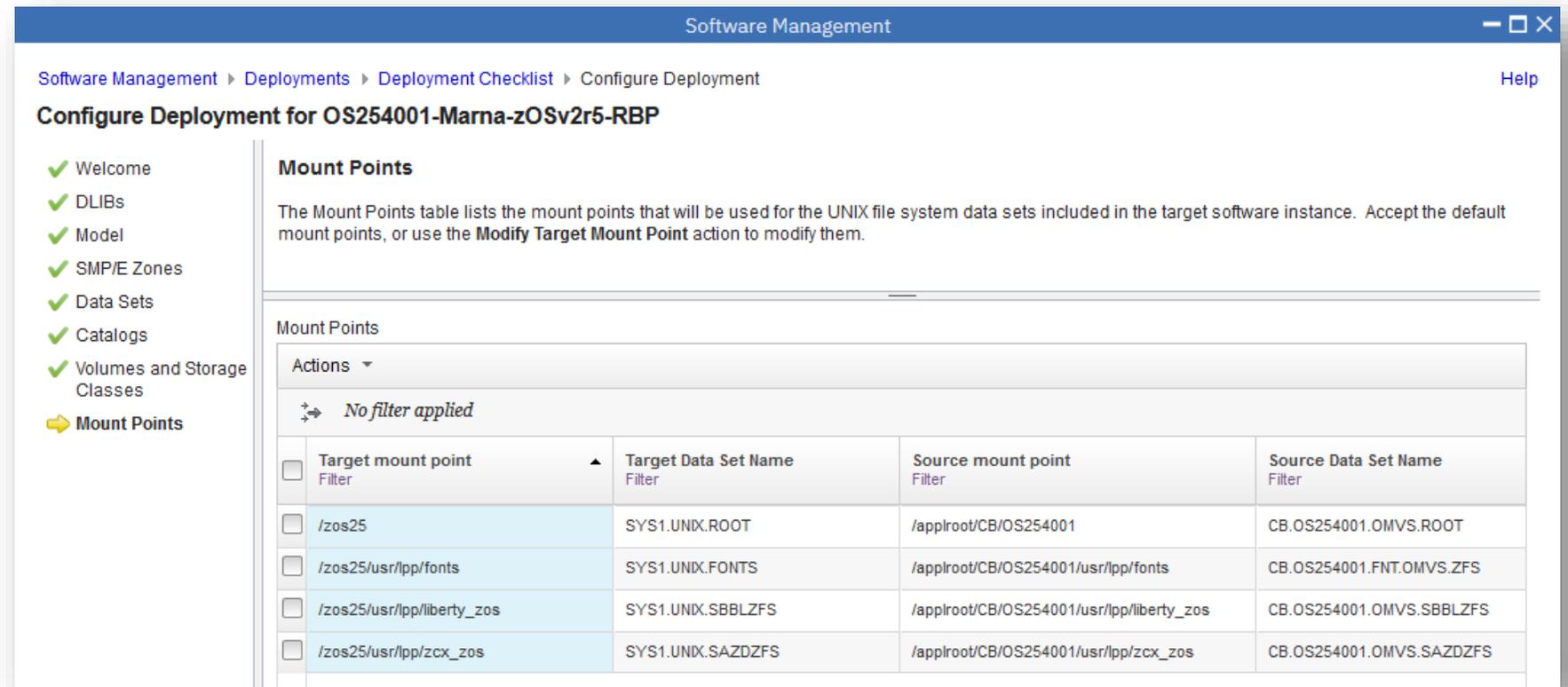
Allocated space delta (MB):  
3862.95

# Install a Portable Software Instance...

## Configure – UNIX file system mount points

For each UNIX file system data set:

- Specify the “/service” mount point for the data set on the target system.
- Target mount point is used to update directory names in SMP/E DDDEF entries.



Software Management

Software Management > Deployments > Deployment Checklist > Configure Deployment

### Configure Deployment for OS254001-Marna-zOSv2r5-RBP

- ✓ 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.

Actions	Target mount point Filter	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
No filter applied				
<input type="checkbox"/>	/zos25	SYS1.UNIX.ROOT	/approot/CB/OS254001	CB.OS254001.OMVS.ROOT
<input type="checkbox"/>	/zos25/usr/lpp/fonts	SYS1.UNIX.FONT	/approot/CB/OS254001/usr/lpp/fonts	CB.OS254001.FNT.OMVS.ZFS
<input type="checkbox"/>	/zos25/usr/lpp/liberty_zos	SYS1.UNIX.SBBLZFS	/approot/CB/OS254001/usr/lpp/liberty_zos	CB.OS254001.OMVS.SBBLZFS
<input type="checkbox"/>	/zos25/usr/lpp/zcx_zos	SYS1.UNIX.SAZDZFS	/approot/CB/OS254001/usr/lpp/zcx_zos	CB.OS254001.OMVS.SAZDZFS

# Install a Portable Software Instance...

## Validate, Generate Jobs and Summarize

- Ensures there are no unintended data set collisions:
  - On the target volumes, and
  - In the target system catalog.
- Generate JCL to install the software.

Software Management

Software Management > Deployments > Deployment Checklist [Help](#)

### Deployment Checklist

To deploy software, complete the checklist.

Checklist

Progress	Step
☑	Specify the properties for this deployment.
☑	Select the software to deploy.
☑	Select the objective for this deployment.
☑	Check for missing SYSMODs. <ul style="list-style-type: none"><li>• View missing SYSMOD reports.</li></ul>
☑	Configure this deployment.
➔	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li>• View the deployment summary.</li></ul>
	Submit deployment jobs.
	Perform workflows.
	Specify the properties for the target software instance.

# Install a Portable Software Instance...

## Validate, Generate Jobs and Summarize...

On the Define Job Settings page:

- Use or override the default JCL data set name to contain the generated jobs.
- Use or override the default data set name prefix and location for temporary work data sets.
- Enter your desired JOB statement for the generated jobs.
  - Specify your desired job name or let Software Management use default names of the form “IZUDnnmm”.
- Information is remembered for next time.

z/OSMF validates the deployment configuration to ensure there are no unintended data set collisions:

- On the target volumes, and
- In the target system catalog.

Software Management

Software Management > Deployments > Deployment Checklist > Define Job Settings [Help](#)

### Define Job Settings

To specify the job settings, provide the information requested. Then, click OK to generate the deployment summary and jobs. The jobs will be stored in the specified JCL data set. z/OSMF does not run the jobs.

\* JCL data set name:  
KURTQ.DM.D210803.T162345.CNTL

\* Work data set name prefix:  
KURTQ.WORKDS

Space required for work data sets:  
4100 cylinders

Specify a location for work data sets:  
 Storage class [i](#)  Volume  System determined [i](#)

\* Storage class name:  
STANDARD

\* JOB statement  
-----1-----2-----3-----4-----5-----6-----7--  
//JOBNAME JOB (425268,B0040076),'QUACK',NOTIFY=&SYSUID,  
// MSGCLASS=H,MSGLEVEL=1,REGION=0M  
//\*

# Install a Portable Software Instance...

## View the Summary

View the summary of the changes that will be made when you run the generated jobs.

Software Management

Software Management > Deployments > Deployment Checklist [Help](#)

### Deployment Checklist

To deploy software, complete the checklist.

Checklist

Progress	Step
☑	<a href="#">Specify the properties for this deployment.</a>
☑	<a href="#">Select the software to deploy.</a>
☑	<a href="#">Select the objective for this deployment.</a>
☑	<a href="#">Check for missing SYSMODs.</a> <ul style="list-style-type: none"><li><a href="#">View missing SYSMOD reports.</a></li></ul>
☑	<a href="#">Configure this deployment.</a>
☑	<a href="#">Define the job settings. z/OSMF creates the deployment summary and jobs.</a> <ul style="list-style-type: none"><li><a href="#">View the deployment summary.</a></li></ul>
➔	<a href="#">Submit deployment jobs.</a>
	<a href="#">Perform workflows.</a>
	<a href="#">Specify the properties for the target software instance.</a>

# Install a Portable Software Instance...

## View the Summary...

Summarize the following:

- Volumes that will be affected.
- Data sets that will be:
  - Deleted
  - Added
  - Replaced
- Catalogs that will be affected.
- Catalog entries that will be:
  - Deleted
  - Added
  - Updated

Software Management

Software Management > Portable Software Instances > Deployments > Deployment Checklist > View Deployment Summary

### View Deployment Summary

Review the changes that will occur on the target system when you submit the deployment jobs.

Source software: OS254001-Marna-zOSv2r5-RBP on system AQFT  
Target system: AQFT  
Deployment objective: Create new software instance, connect to existing 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

Data Sets

Actions

No filter applied

Name Filter	Volume Filter	Storage Class Filter
AOP.AAOPEXEC	C93002	
AOP.AAOPHFS	C93002	
AOP.AAOPHJPN	C93002	
AOP.AAOPMENU	C93002	
AOP.AAOPMJPN	C93002	
AOP.AAOPMOD1	C93002	
AOP.AAOPPENU	C93002	
AOP.AAOPPJP	C93002	
AOP.SAOPEXEC	C93001	
AOP.SAOPMENU	C93001	
AOP.SAOPMJPN	C93001	
AOP.SAOPPENU	C93001	
AOP.SAOPPJP	C93001	
ASM.AASMMAC1	C93002	
ASM.AASMMAC2	C93002	

Total: 843

# Install a Portable Software Instance...

## Submit the generated jobs

Submit and run the generated jobs to make changes to the target system.

Software Management

Software Management > Deployments > Deployment Checklist [Help](#)

### Deployment Checklist

To deploy software, complete the checklist.

Checklist

Progress	Step
☑	<a href="#">Specify the properties for this deployment.</a>
☑	<a href="#">Select the software to deploy.</a>
☑	<a href="#">Select the objective for this deployment.</a>
☑	<a href="#">Check for missing SYSMODs.</a> <ul style="list-style-type: none"><li><a href="#">View missing SYSMOD reports.</a></li></ul>
☑	<a href="#">Configure this deployment.</a>
☑	<a href="#">Define the job settings. z/OSMF creates the deployment summary and jobs.</a> <ul style="list-style-type: none"><li><a href="#">View the deployment summary.</a></li></ul>
➡	<a href="#">Submit deployment jobs.</a>
	<a href="#">Perform workflows.</a>
	<a href="#">Specify the properties for the target software instance.</a>

# Install a Portable Software Instance...

## Submit the generated jobs...

The generated jobs execute system utilities to update the target system. In this example:

1. Sample RACF job
2. Allocate new catalogs
3. Define catalog aliases
4. Unzip data sets
5. Rename data sets and update catalog entries
6. Update SMPCSI

On this page you can submit jobs, view JCL, and view job output.

Software Management

Software Management > Deployments > Deployment Checklist > Submit Deployment Jobs

### 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: ZOSMFT6.DM.D210803.T212945.CNTL  
Target system: pev171

Jobs

Actions ▾

↔ No filter applied

<input type="checkbox"/>	Sequence Filter	JCL Data Set Member Name Filter	Description Filter	System Filter	Status Filter	Return Code Filter	Messages Filter	Job Name Filter	Job ID Filter
<input type="checkbox"/>	1	<a href="#">IZUD01RA</a>	RACF Definitions: Add groups and data set profiles to RACF for new data set prefixes. This job is a SAMPLE and requires modification to specify the correct owning user id and access list. In addition, this job should be run by your Security Administrator.	pev171	<input checked="" type="checkbox"/> Complete (Override)				
<input type="checkbox"/>	2	<a href="#">IZUD02AC</a>	Allocate Catalogs: Allocate new catalogs.	pev171	<input checked="" type="checkbox"/> Complete	CC 0000		IZUD02AC	JOB00084
<input type="checkbox"/>	3	<a href="#">IZUD03DA</a>	Define Aliases: Define new aliases in the driving system master catalog and in the new target system master catalog if creating a new master catalog and relate the new aliases to the corresponding new or existing user catalogs.	pev171	<input checked="" type="checkbox"/> Submitted			IZUD03DA	JOB00085
<input type="checkbox"/>	4	<a href="#">IZUD04UZ</a>	Unzip Data Sets: Extract the target software instance data sets from the portable software instance archive files, into the location defined by the deployment configuration, using temporary and unique data set names.	pev171					
<input type="checkbox"/>	5	<a href="#">IZUD05RN</a>	Rename Data Sets: Rename the target software instance data sets from their temporary and unique names to their true names defined by the deployment configuration, and update catalog entries for the data sets as needed.	pev171					
<input type="checkbox"/>	6	<a href="#">IZUD06UC</a>	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.	pev171					

# Install a Portable Software Instance... Perform Workflows

Perform the workflows provided with the portable software instance to configure and setup the installed z/OS 2.5.

Software Management

Software Management > Deployments > Deployment Checklist [Help](#)

### Deployment Checklist

To deploy software, complete the checklist.

Checklist

Progress	Step
☑	<a href="#">Specify the properties for this deployment.</a>
☑	<a href="#">Select the software to deploy.</a>
☑	<a href="#">Select the objective for this deployment.</a>
☑	<a href="#">Check for missing SYSMODs.</a> <ul style="list-style-type: none"><li><a href="#">View missing SYSMOD reports.</a></li></ul>
☑	<a href="#">Configure this deployment.</a>
☑	<a href="#">Define the job settings. z/OSMF creates the deployment summary and jobs.</a> <ul style="list-style-type: none"><li><a href="#">View the deployment summary.</a></li></ul>
☑	<a href="#">Submit deployment jobs.</a>
➡	<a href="#">Perform workflows.</a>
	<a href="#">Specify the properties for the target software instance.</a>

# Install a Portable Software Instance... Perform Workflows...

Open each workflow to perform the setup and configuration tasks defined by the workflow.

“Click” the name.

Each IBM ServerPac will have 3 workflows.

Software Management

Software Management > Deployments > Deployment Checklist > Perform Workflows

### Perform Workflows

It is recommended that you open and complete all the workflows in sequential order before you proceed to the next step in the deployment checklist.

Workflow Definition Files

Actions ▾

↔ No filter applied

<input type="checkbox"/>	Sequence Filter	Name Filter	Description Filter	Messages Filter	Status Filter	Percent Complete	Owner Filter	System Filter	Created By Filter	Created (Local) Filter
<input type="checkbox"/>	1	<a href="#">OT246095_YOURORDER</a>	About Your Order			<input type="text" value="0%"/>				
<input type="checkbox"/>	2	<a href="#">OT246095_POSTDEPLOY</a>	Post-Deployment			<input type="text" value="0%"/>				
<input type="checkbox"/>	3	<a href="#">OT246095_VERIFY</a>	Deployment Verification			<input type="text" value="0%"/>				

# Install a Portable Software Instance... Perform Workflows...

- The selected workflow is opened in the **Workflows** task.
- The workflow's steps are displayed.
- Perform each step.
  
- The ServerPac "YourOrder" workflow contains reference information about the ServerPac order.

The screenshot displays the 'Software Management' interface. The breadcrumb trail is 'Software Management > Deployments > Deployment Checklist > Perform Workflows'. The main content area is titled 'Perform Workflows' and shows a list of workflow definitions. A red arrow points to the 'Workflows' task, which is open in a separate window. This window shows the details for the workflow 'OT246095\_YOURORDER'. The workflow is currently 'In Progress' and is 0% complete. The description states: 'This Workflow describes your CICS ServerPac Order: OT246095'. The owner is 'kurtq' and the system is 'MCLXCF01.AQFT'. The workflow is not callable by another workflow and is public. The workflow steps are listed in a table below.

State Filter	No. Filter	Title Filter	CalledWorkflow Filter	Automated Filter	Owner Filter	Skill Category Filter
Ready	1	Copyright		No	kurtq	System Programmer
In Progress	2	About Your Order				
Ready	3	Provide feedback for About Your Order workflow		No	kurtq	System Programmer

Total: 9 Selected: 0

Buttons: Return to Workflows, Refresh

Last refresh: Feb 11, 2020, 10:53:21 AM local time (Feb 11, 2020, 3:53:21 PM GMT)

# Install a Portable Software Instance... Perform Workflows...

The ServerPac  
“PostDeploy”  
workflow contains  
the steps to setup  
and configure the  
installed software.

- Some steps are optional and may be skipped.

The screenshot displays the 'Workflows' application window. The title bar reads 'Workflows'. The breadcrumb path is 'Workflows > OS254001\_POSTDEPLOY'. The main heading is 'OS254001\_POSTDEPLOY'. There are links for 'Notes | History' and 'Help'. The 'Workflow Details' section is expanded, showing the following information:

- Description: Configuration and setup workflow for MVS
- Owner: f22cmb1
- System: MCLXCF01.AQFT
- Is Callable: Cannot be called by another workflow
- Contains Parallel Steps: No
- Percent complete: 73% (indicated by a progress bar)
- Steps complete: 36 of 43
- Status: In Progress (indicated by a green progress bar)
- Access (Learn More): Public (indicated by a lock icon)
- Workflow definition file: ZR25RBPM.CPAC.WORKFLOW(POSTINST)
- System of workflow definition file: MCLXCF01.AQFT
- Delete workflow on completion: No

The 'Workflow Steps' section is also visible, featuring a search bar and a table of steps. The table has columns for State Filter, No. Filter, Title Filter, CalledWorkflow Filter, Automated Filter, Owner Filter, and Skill Category Filter. The steps listed are:

State Filter	No. Filter	Title Filter	CalledWorkflow Filter	Automated Filter	Owner Filter	Skill Category Filter
Skipped	33	Relink load modules with CALLLIBS		No	f22cmb1	z/OS System Programmer
Complete	34	(Optional) Copy driving system CONSOL00		No	f22cmb1	z/OS System Programmer
Skipped	35	(Optional) Create VATLST00 in PARMLIB		No	f22cmb1	z/OS System Programmer
Complete	36	(Optional) Copy VTAM definitions		No	f22cmb1	z/OS System Programmer
Skipped	37	(Optional) Rename of SMFPRM members		No	f22cmb1	z/OS System Programmer
Ready	38	Create /etc and /var Symlinks		No	f22cmb1	z/OS System Programmer

At the bottom of the table, it says 'Total: 43 Selected: 0'.

# Install a Portable Software Instance... Perform Workflows...

This workflow step requests input and then generates JCL to create JES2 operational data sets.

The image displays two screenshots of the 'Workflows' application interface, showing the 'Perform' step for 'JES2 operational data set allocation'.

**Top Screenshot: Input Variables - Product**

- Input Variables
- Product
- Review Instructions
- Create JOB statement
- Review JCL
- Submit and Save JCL

Input Variables - Product

Enter the variable values for

- Allocation Type:
- Specify storage:
- Operational:
- Operational:
- Operational:

< Back

**Bottom Screenshot: Review JCL**

Review the generated JCL, then click **Next** to proceed. Optionally, you can edit the JCL. To do so, click the **Edit JCL** button.

```
//IZUWFJB JOB (ACCTINFO),CLASS=A,MSGCLASS=0,
//          MSGLEVEL=(1,1),REGION=0M,NOTIFY=KURTQ
/*JOBPARM SYSAFF=AQFT
/*-----
/*Allocate and catalog JES2 operational datasets with CONTIG parameter
/*-----
//ALCONTIG EXEC PGM=IEFBR14,COND=(4000,LT)
//HASPACE DD DSN=SYS1.HASPACE,
//          DISP=(NEW,CATLG,DELETE),
//          UNIT=(SYSALLDA),
//          VOL=SER=(SPL251),
//          DCB=(BLKSIZE=3992,RECFM=U,
//          LRECL=3992,
//          DSORG=PSU),
//          SPACE=(CYL,(234,0),,CONTIG)
//HASPCKPT DD DSN=SYS1.HASPCKPT,
//          DISP=(NEW,CATLG,DELETE),
//          UNIT=(SYSALLDA),
//          VOL=SER=(SPL251),
```

Edit JCL Maximum record length:

< Back Next > Save Finish Cancel



# Install a Portable Software Instance... Perform Workflows...

The ServerPac  
“Verify” workflow  
contains steps to  
test and verify the  
setup and  
configuration of  
the installed  
software.

Workflows

Workflows > MWALLE\_OS254001\_ZOS25RBP\_VERIFY [Help](#)

**MWALLE\_OS254001\_ZOS25RBP\_VERIFY** [Notes](#) | [History](#)

Workflow Details

Workflow Steps

Actions  Search  All step content [?](#)

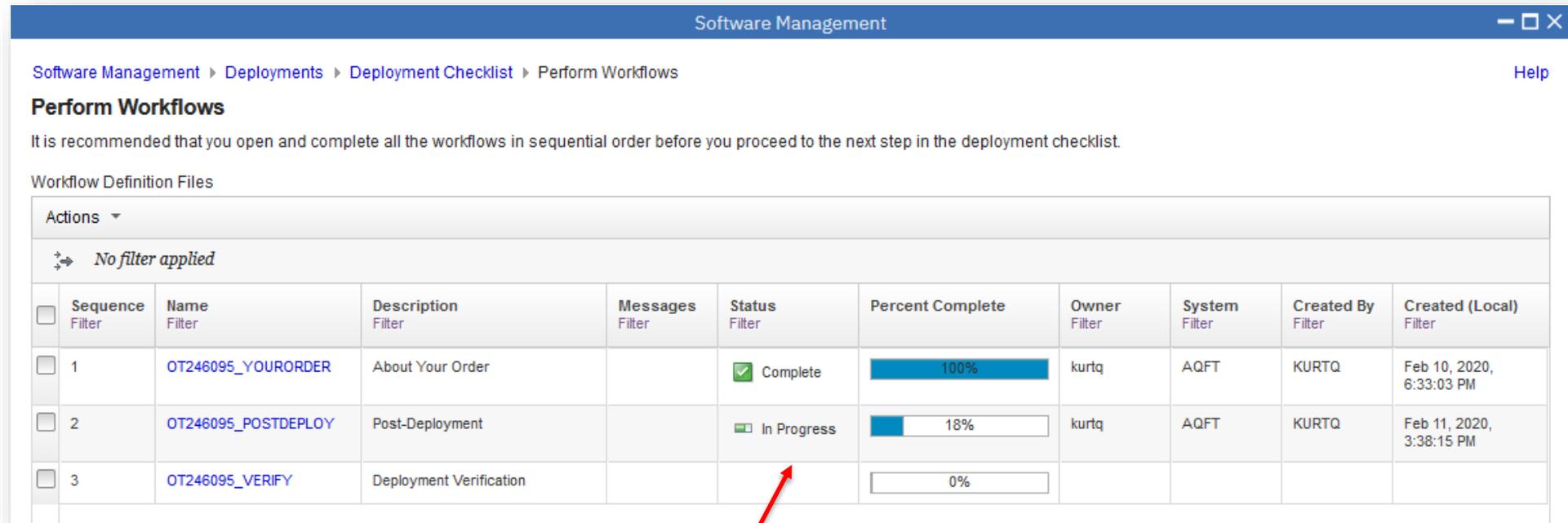
*No filter applied*

<input type="checkbox"/>	State Filter	No. Filter	Title Filter	CalledWorkflow Filter	Automated Filter	Owner Filter	Skill Category Filter
<input type="checkbox"/>	➔ Ready	1	■ Read variables from a property file		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	2	■ (Optional) Update RACF Profiles on your Target system		No	mwalle	z/OS Security Administrator
<input type="checkbox"/>	⚠ Not Ready	3	■ Check WLM Configuration		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	4	■ (Optional) Allocate Log Streams		No	mwalle	z/OS System Programmer
<input type="checkbox"/>	⚠ Not Ready	5	■ BCP		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	6	■ (Optional) Sample Policy for WLM		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	7	■ PFA Shell Script		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	8	■ Update COMMNDxx		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	9	■ Update UIDGID		No	mwalle	System Programmer
<input type="checkbox"/>	⚠ Not Ready	10	■ BCP - QTracker		No	mwalle	System Programmer

Total: 75 Selected: 0

# Install a Portable Software Instance... Perform Workflows...

Software Management keeps track of the progress for each workflows instance.



The screenshot shows the 'Software Management' application window. The breadcrumb navigation is 'Software Management > Deployments > Deployment Checklist > Perform Workflows'. The page title is 'Perform Workflows'. A note states: 'It is recommended that you open and complete all the workflows in sequential order before you proceed to the next step in the deployment checklist.' Below this is a section for 'Workflow Definition Files' with an 'Actions' dropdown and a filter status of 'No filter applied'. A table lists three workflow instances:

Sequence Filter	Name Filter	Description Filter	Messages Filter	Status Filter	Percent Complete	Owner Filter	System Filter	Created By Filter	Created (Local) Filter
<input type="checkbox"/>	1	OT246095_YOURORDER	About Your Order	<input checked="" type="checkbox"/> Complete	100%	kurtq	AQFT	KURTQ	Feb 10, 2020, 6:33:03 PM
<input type="checkbox"/>	2	OT246095_POSTDEPLOY	Post-Deployment	<input type="checkbox"/> In Progress	18%	kurtq	AQFT	KURTQ	Feb 11, 2020, 3:38:15 PM
<input type="checkbox"/>	3	OT246095_VERIFY	Deployment Verification	<input type="checkbox"/>	0%				

A red arrow points to the 'In Progress' status of the second workflow instance.

# Install a Portable Software Instance...

## Complete the deployment

- After the jobs have been executed and workflows performed, the physical target software instance has been created.
- Update Software Management to have knowledge of the new software instance.

Software Management

Software Management > Deployments > Deployment Checklist [Help](#)

### Deployment Checklist

To deploy software, complete the checklist.

Checklist

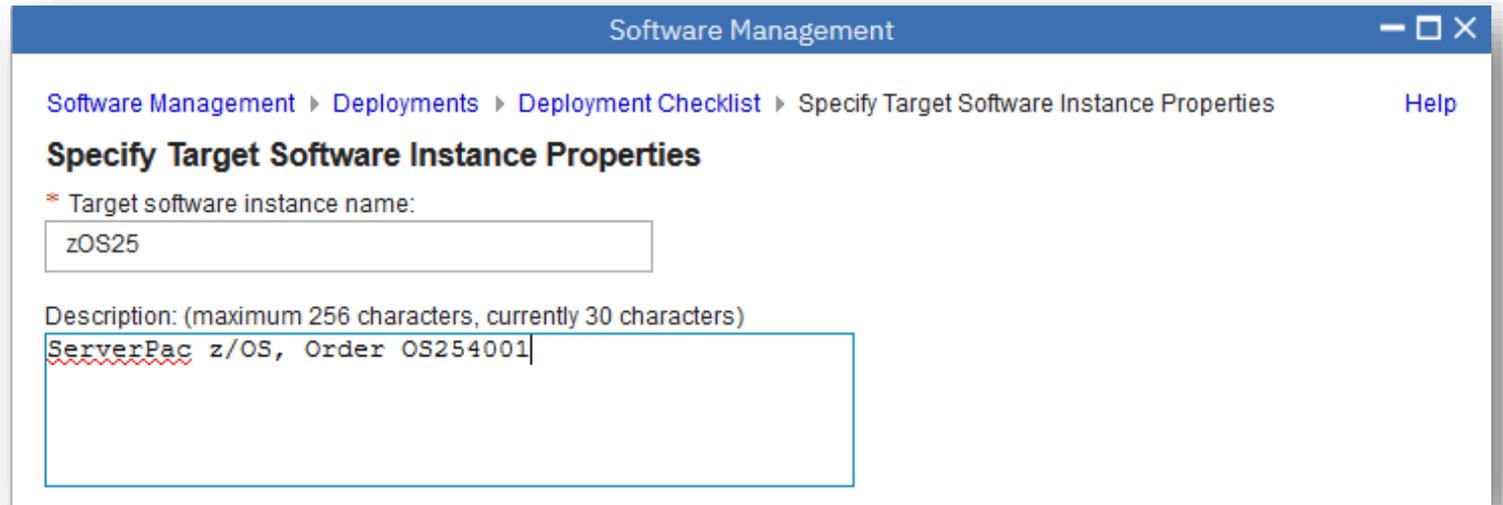
Progress	Step
<input checked="" type="checkbox"/>	<a href="#">Specify the properties for this deployment.</a>
<input checked="" type="checkbox"/>	<a href="#">Select the software to deploy.</a>
<input checked="" type="checkbox"/>	<a href="#">Select the objective for this deployment.</a>
<input checked="" type="checkbox"/>	<a href="#">Check for missing SYSMODs.</a> <ul style="list-style-type: none"><li><a href="#">View missing SYSMOD reports.</a></li></ul>
<input checked="" type="checkbox"/>	<a href="#">Configure this deployment.</a>
<input checked="" type="checkbox"/>	<a href="#">Define the job settings. z/OSMF creates the deployment summary and jobs.</a> <ul style="list-style-type: none"><li><a href="#">View the deployment summary.</a></li></ul>
<input checked="" type="checkbox"/>	<a href="#">Submit deployment jobs.</a>
<input checked="" type="checkbox"/>	<a href="#">Perform workflows.</a>
<input type="checkbox"/>	<a href="#">Specify the properties for the target software instance.</a>

# Install a Portable Software Instance...

## Complete the deployment...

Enter a name and optional description for the new target software instance.

- Name and description are primed from the source portable software instance.



The screenshot shows a window titled "Software Management" with a breadcrumb trail: "Software Management > Deployments > Deployment Checklist > Specify Target Software Instance Properties". The main heading is "Specify Target Software Instance Properties". There is a "Help" link in the top right corner. The form contains two fields:

- A required field labeled "\* Target software instance name:" with a text input containing "zOS25".
- A field labeled "Description: (maximum 256 characters, currently 30 characters)" with a text area containing "ServerPac z/OS, Order OS254001".

# Install a Portable Software Instance... Complete the deployment...

The Install is now complete.

The screenshot shows a 'Software Management' window titled 'Deployment Checklist'. The breadcrumb path is 'Software Management > Deployments > Deployment Checklist'. There are 2 information messages, 0 errors, and 0 warnings. Two messages are displayed: 'Deployment "zOS25Demo" is complete.' and 'Target software instance "zOS25" was added or updated.' Below the messages, a checklist table shows all steps completed.

Software Management

Software Management > Deployments > Deployment Checklist

Deployment Checklist

Messages 0 0 2

Close All

Deployment "zOS25Demo" is complete. IZUD155I Aug 3, 2021, 6:27:01 PM

Target software instance "zOS25" was added or updated. IZUD154I Aug 3, 2021, 6:27:01 PM

To deploy software, complete the checklist.

Checklist

Progress	Step
✓	<a href="#">Specify the properties for this deployment.</a>
✓	Select the software to deploy.
✓	Select the objective for this deployment.
✓	Check for missing SYSMODs. <ul style="list-style-type: none"><li><a href="#">View missing SYSMOD reports.</a></li></ul>
✓	Configure this deployment.
✓	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li><a href="#">View the deployment summary.</a></li></ul>
✓	Submit deployment jobs.
✓	Perform workflows.
✓	Specify the properties for the target software instance.

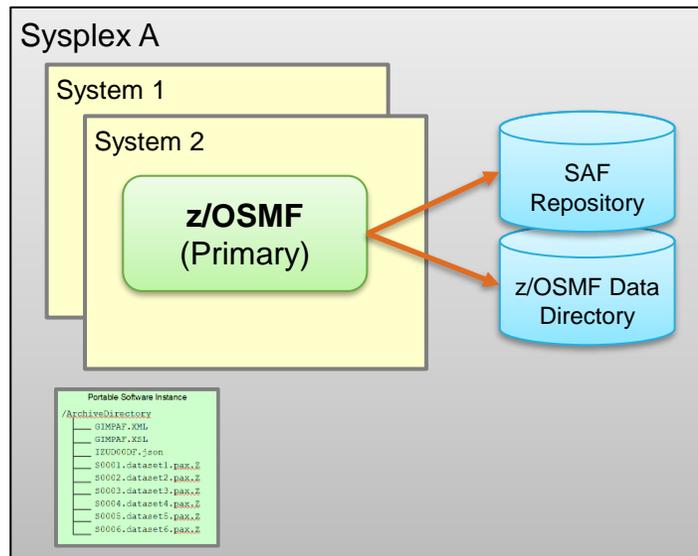
# Install a Portable Software Instance...

## Summary

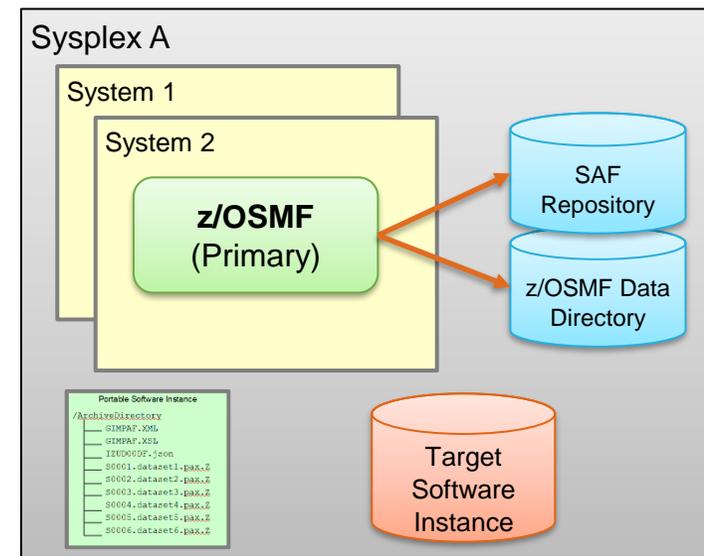
To summarize:

- Installation of the Portable Software Instance creates a new Software Instance.
- Actions can be performed on the new Software Instance.

### Before Deployment



### After Deployment



# What can I do after the install?

- **Software Update** action
  - APPLY PTFs to fix a specific problem (select by SYSMOD ID)
  - APPLY recommended PTFs (select by recommended SOURCEID)
  - APPLY PTFs to enable a new function (select by Fix Category)
- **Perform workflows** after the install.
- **View the data sets** for the software instance.
- **View the products, features, and FMIDs** for the software instance.
- Other reports and queries...
- **Deploy** the software instance.

# What can I do after the install?

## Software Instance, Perform workflows action

- View and open workflow instances created during the install (deployment) of the software instance.
- For tasks that may be repeated, create new workflow instances for the software instance.

Software Management > Software Instances > Perform Workflows

### Perform Workflows for OS254001-Marna-zOSv2r5-RBP

Below is the list of workflow instances that have been created for the software instance. You can open an exist action.

Workflow Instances

Actions ▾

↔ No filter applied

<input type="checkbox"/> Name Filter	Description Filter	Messages Filter	Status Filter	Percent Complete	Owner Filter	System Filter	Created By Filter	Created (Local) Filter
<input type="checkbox"/> MWALLE_OS254001_ZOS25RBP_VERIFY	Steps to verify the installation and configuration of the installed software. If presented with a choice of systems where the workflow steps will be performed, select the member of the SYSPLEX where the installed software is now running.		<input checked="" type="checkbox"/> In Progress	<input type="text" value="0%"/>	mwalle	AQFT	MWALLE	Jun 25, 2021, 10:46:17 PM
<input type="checkbox"/> MWALLE_OS254001_RBPZOS25_POSTDEPLOY	Steps to help you setup and configure the software in your ServerPac order and prepare to start the installed software for the first time. These steps are tailored for the specific software in your ServerPac order.		<input checked="" type="checkbox"/> In Progress	<input type="text" value="54%"/>	mwalle	AQFT	MWALLE	Jun 25, 2021, 10:44:04 PM
<input type="checkbox"/> MWALLE_OS254001_RBPZOS25_YOURORDER	Information about the content of your ServerPac order, other reference information and how to obtain support.		<input checked="" type="checkbox"/> In Progress	<input type="text" value="0%"/>	mwalle	AQFT	MWALLE	Jun 25, 2021, 10:41:49 PM

Software Management

Software Management > Software Instances > Perform Workflows > Create Workflow

### Create Workflow for "OS254001-Marna-zOSv2r5-RBP"

Select a workflow definition file to use for creating a new workflow.

Workflow Definition Files

Actions ▾

↔ No filter applied

<input type="radio"/> Name Filter	Sequence Filter	Description Filter	SMP/E Element Type / Name Filter	Data set or UNIX file Filter
<input type="radio"/> OS254001_YOURORDER	1	Information about the content of your ServerPac order, other reference information and how to obtain support.		MW25UCAT.CPAC.WORKFLOW(WELCOME)
<input type="radio"/> OS254001_POSTDEPLOY	2	Steps to help you setup and configure the software in your ServerPac order and prepare to start the installed software for the first time. These steps are tailored for the specific software in your ServerPac order.		MW25UCAT.CPAC.WORKFLOW(POSTINST)
<input type="radio"/> OS254001_VERIFY	3	Steps to verify the installation and configuration of the installed software. If presented with a choice of systems where the workflow steps will be performed, select the member of the SYSPLEX where the installed software is now running.		MW25UCAT.CPAC.WORKFLOW(VERIFY)

# What can I do after the install?

## Software Instance, View Data sets action

Analyze the SMPCSI to determine the data sets for the software instance.

- Target, dlib, SMP/E, non-SMP/E
- Display data set name, category, volume, type, space, DCB, etc.

Software Management

Software Management > Software Instances > View Data Sets

View Data Sets

Selected software instance: OS254001-Marna-zOSv2r5-RBP on system AQFT

Data Sets | UNIX Data Sets

Actions

No filter applied

Data Set Name Filter	Data Set Category Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter	Zone Names Filter	Messages Filter
AOP.AAOPEXEC	Dlib	C93002	PDS	FB	80	8800	17	11	1	DLB25	
AOP.AAOPHFS	Dlib	C93002	PDS	VB	255	27998	3265	70	1	DLB25	
AOP.AAOPHJPN	Dlib	C93002	PDS	VB	255	23476	834	58	1	DLB25	
AOP.AAOPMENU	Dlib	C93002	PDS	FB	80	8800	17	17	1	DLB25	
AOP.AAOPMJPN	Dlib	C93002	PDS	FB	80	8800	17	17	1	DLB25	
AOP.AAOPMOD1	Dlib	C93002	PDS	U	0	6144	330	58	1	DLB25	
AOP.AAOPPENU	Dlib	C93002	PDS	FB	80	8800	130	59	1	DLB25	
AOP.AAOPPJPJPN	Dlib	C93002	PDS	FB	80	8800	130	59	1	DLB25	
AOP.SAOPEXEC	Target	C93001	PDS	FB	80	8800	17	11	1	TGT25	
AOP.SAOPMENU	Target	C93001	PDS	FB	80	8800	17	17	1	TGT25	
AOP.SAOPMJPN	Target	C93001	PDS	FB	80	8800	17	17	1	TGT25	
AOP.SAOPPENU	Target	C93001	PDS	FB	80	8800	130	59	1	TGT25	
AOP.SAOPPJPJPN	Target	C93001	PDS	FB	80	8800	130	59	1	TGT25	
ASM.AASMMAC1	Dlib	C93002	PDS	FB	80	8800	33	33	1	DLB25	
ASM.AASMMAC2	Dlib	C93002	PDS	FB	80	8800	17	23	1	DLB25	
ASM.AASMMOD1	Dlib	C93002	PDS	U	0	6144	70	45	1	DLB25	
ASM.AASMMOD2	Dlib	C93002	PDS	U	0	6144	176	58	1	DLB25	

Total: 846

# What can I do after the install?

## Software Instance, View Products action

Display products, features, and FMIDs for the selected software instance.

The screenshot shows the 'Software Management' interface. The breadcrumb trail is 'Software Management > Software Instances > View Products, Features, and FMIDs'. The page title is 'View Products, Features, and FMIDs' and the subtitle is 'Products, Features, and FMIDs by Software Instance'. There are 'Actions' and 'Table view: Tree' options. A filter status indicates 'No filter applied'. The table has 11 columns: 'Software Instance / Product / Feature / FMID Filter', 'System Filter', 'Release Filter', 'Product ID Filter', 'Vendor Filter', 'FMID Description Filter', 'FMID Target Zones Filter', 'General Availability Filter', 'End of Service Filter', and 'Product, Feature, and FMID Information Retrieved (Local) Filter'. The table content includes a tree view for 'OS254001-Marna-zOSv2r5-RBP' with sub-entries for 'z/OS' and various z/OS components like 'Auth Code Scanner', 'Workload Int Corr', 'V2 Adv Data Gatherer', 'V2 BDT FTF', 'V2 BDT SNA NJE', and 'V2 Base'. Below this, a list of FMIDs is shown, including 'EDU1H01', 'EER3500', 'EMI2220', 'ETI1106', and 'FDU1H07', each with its description and target zones.

Software Instance / Product / Feature / FMID Filter	System Filter	Release Filter	Product ID Filter	Vendor Filter	FMID Description Filter	FMID Target Zones Filter	General Availability Filter	End of Service Filter	Product, Feature, and FMID Information Retrieved (Local) Filter
<input type="checkbox"/> OS254001-Marna-zOSv2r5-RBP	AQFT								Jun 25, 2021, 10:48:07 PM
<input type="checkbox"/> z/OS		02.05.00	5650-ZOS	IBM				Unknown	
<input type="checkbox"/> + IBM z/OS Auth Code Scanner									
<input type="checkbox"/> + IBM z/OS Auth Code Scanner JPN									
<input type="checkbox"/> + IBM z/OS Workload Int Corr									
<input type="checkbox"/> + z/OS V2 Adv Data Gatherer									
<input type="checkbox"/> + z/OS V2 BDT FTF									
<input type="checkbox"/> + z/OS V2 BDT SNA NJE									
<input type="checkbox"/> z/OS V2 Base									
<input type="checkbox"/> EDU1H01					ICKDSF - Device Support Facilities, Base	TGT25			
<input type="checkbox"/> EER3500					Environmental Record Editing and Printing	TGT25			
<input type="checkbox"/> EMI2220					MICR/OCR	TGT25			
<input type="checkbox"/> ETI1106					TIOC	TGT25			
<input type="checkbox"/> FDU1H07					ICKDSF - Device Support Facilities, ISMF/MODS	TGT25			

# What can I do after the install?

## Software Instance, other reports and queries

### Examples:

- SYSMOD Search
- Missing Critical Service
- End of Service Support

Software Management

Software Management > Software Instances > Maintenance Reports

### Maintenance Reports

Missing Critical Service x

Review the list of critical service and determine which service are critical for your installation. Use SMP/E to apply the resolving service to the corresponding target zone.

Actions | Table view: Tree

No filter applied

Software Instance / FIMD / Held SYSMOD / Missing APAR Filter	System Filter	HOLDDATA Received (GMT) Filter	Target Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Filter	Hold Symptom Filter
<input type="checkbox"/> KurtDemo-CICS-ServerPac	AQFT	February 11, 2020 'at' 17:47:52					
<input type="checkbox"/> HCl7200							
<input type="checkbox"/> HCl7200							
<input type="checkbox"/> AH09914			CICST54	UI644			
<input type="checkbox"/> AH15055			CICST54				
<input type="checkbox"/> AH15115			CICST54				
<input type="checkbox"/> AH15887			CICST54				
<input type="checkbox"/> AH16397			CICST54				

Software Management > Software Instances > Maintenance Reports

### Maintenance Reports

SYSMOD Search x

Use this page to search the selected software instances for one or more SYSMODs.

\* SYSMOD search list:

UI60580 UI65654

Search

Search Results

Actions | Table view: Tree

No filter applied

Software Instance / Zone Name / SYSMOD Filter	System Filter	Type Filter	FIMD Filter	Status Filter	Installed Filter
<input type="checkbox"/> KurtDemo-CICS-ServerPac	AQFT				
<input type="checkbox"/> CICS54					
<input type="checkbox"/> CICST54					
<input type="checkbox"/> UI60580		PTF	HCl7200	Applied	September 13, 2019 'at' 06:18:17
<input type="checkbox"/> UI65654				Not Found	

Software Management

Software Management > Software Instances > Maintenance Reports

### Maintenance Reports

End of Service x

Timeline

View Legend

2020

2021

Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Fe

Retrieve End of Service Information...

Software Instances by Product

Actions | Table view: Tree

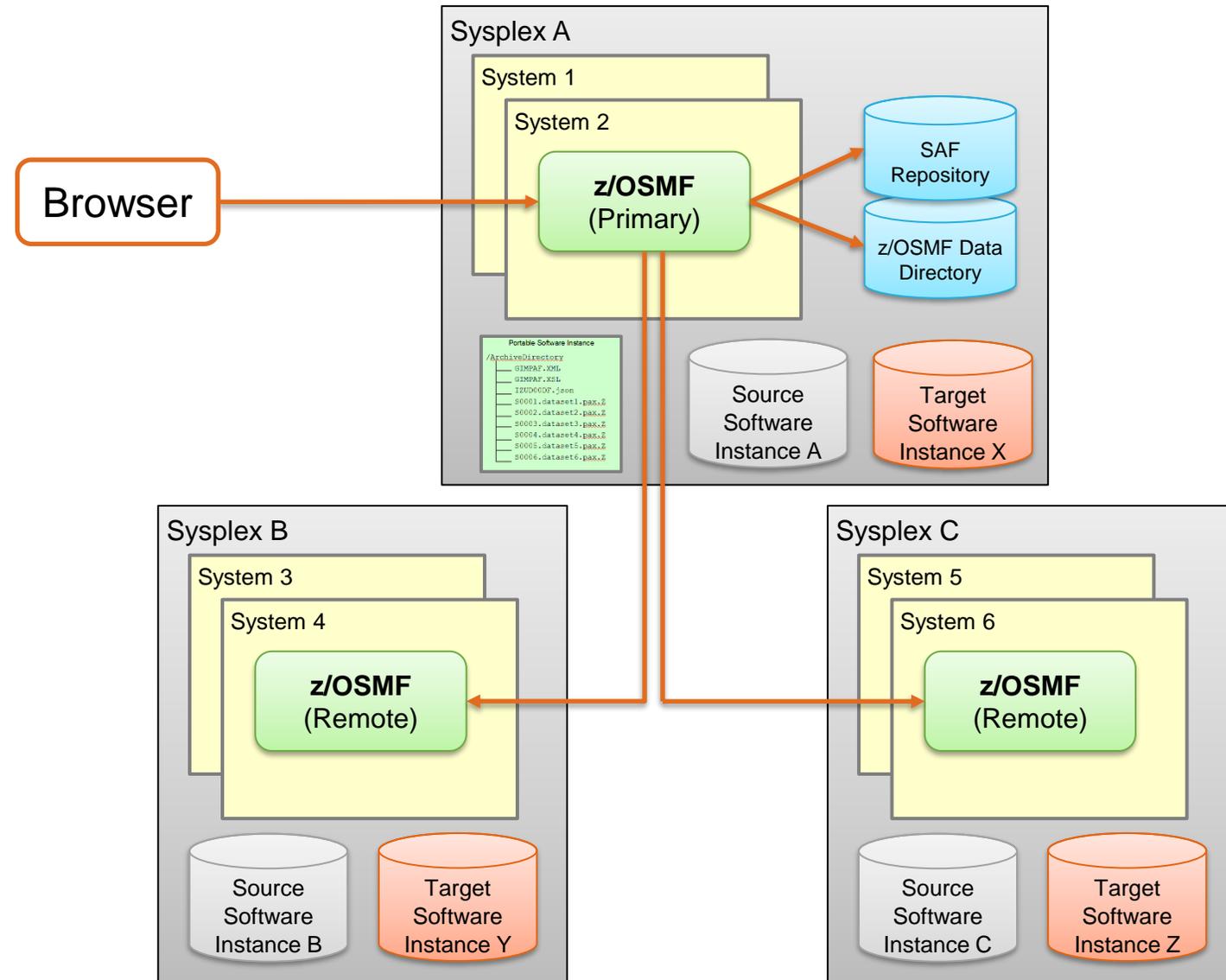
No filter applied

Product / Software Instance Filter	Release Filter	Product ID Filter	Vendor Filter	End of Service Filter	General Availability Filter	System Filter	Description Filter	Additional Product Information Filter
<input type="checkbox"/> CICS Transaction Server for z/OS V5	05.05.00	5655-Y04	IBM	Not Announced	Dec 14, 2018			<a href="http://www.ibm.com/common/ssi/cgi-bin/ssi/subtype=sm&amp;appName=ShopzSeries&amp;htmlf">http://www.ibm.com/common/ssi/cgi-bin/ssi/subtype=sm&amp;appName=ShopzSeries&amp;htmlf</a>
<input type="checkbox"/> IBM Security zSecure CICS Toolkit	02.03.01	5655-N18	IBM	Not Announced	Sep 14, 2018			<a href="http://www.ibm.com/common/ssi/cgi-bin/ssi/subtype=sm&amp;appName=ShopzSeries&amp;htmlf">http://www.ibm.com/common/ssi/cgi-bin/ssi/subtype=sm&amp;appName=ShopzSeries&amp;htmlf</a>

# What can I do after the install?

## Deploy

Deploy the software instance to create a new software instance.



## In Summary

- Brief z/OSMF and Software Management overview.
- What is a Software Instance?
- What is a Portable Software Instance?
- Acquiring a Portable Software Instance from a provider.
- Install the Portable Software Instance
  - Launching Workflows supplied by the software provider.
- What can I do with z/OSMF Software Management after install?
- For more information about installing IBM ServerPac with z/OSMF:  
<https://www.ibm.com/support/z-content-solutions/serverpac-install-zosmf/>