

z/OS installation strategy education

– for installing software

Introduction:

You hopefully have heard about the z/OS Installation Strategy? This is an undertaking that is across the entire z/OS industry (with strong participation from both IBM and ISVs) to provide a common installation and packaging method that you use from z/OSMF.

In this module, we will show how to install (as a customer would) a **z/OSMF Software Management Portable Software Instance** (PSI, for short) which is for a product. This product is composed of two pieces:

- The SMP/E-packaged FMID called **HMLW100**.
- A collection of data sets. It just so happens that we have a very good real-life example of a non-SMP/E packaged function: the **z/OS Cloud Data Access Beta**.

Available in a separate education module is how to package these two pieces into a product, to create a Portable Software Instance, if you wanted to play the role of a software vendor.

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

- z/OSMF V2.2 with PTF UI44516 , or
- z/OSMF V2.1 with PTF UI42018

What exactly are we deploying (installing) for this module?

This imaginary product we are deploying is two very different “elements” to show the power of this new z/OS Installation Strategy. Here’s the details on what composes our sample PSI:

1. A beta product called **z/OS Cloud Data Access Beta**. This beta product contains the following six data sets which can be found on the example system:
 - a. MWALLE.PSI.CDA.H
 - b. MWALLE.PSI.CDA.LINK
 - c. MWALLE.PSI.CDA.LPA
 - d. MWALLE.PSI.CDA.PANELS
 - e. MWALLE.PSI.CDA.PDSE.LOAD
 - f. MWALLE.PSI.CDA.REXX
2. An imaginary SMP/E-packaged product (FMID **HMLW100**) that is already SMP/E applied and ACCEPTed into an SMP/E CSI. This is to show that you could deploy any preinstalled FMID you wanted. This preinstalled SMP/E-packaged product is composed of the following data sets:
 - a. MWALLE.PSI.AMLWHFS : dlib data set associated with the product.
 - b. MWALLE.PSI.CSI : CSI data set from the install
 - c. MWALLE.PSI.SMPLTS : associated SMPLTS

- d. MWALLE.PSI.SMPMTS : associated SMPMTS
- e. MWALLE.PSI.SMPPTS : associated SMPPTS
- f. MWALLE.PSI.SMPSCDS : associated SMPSCDS
- g. MWALLE.PSI.SMPSTS : associated SMPSTS
- h. MWALLE.PSI.ZFS : file system where the product is installed.

When you follow this module, here is a high level overview of what you will learn:

1. Logon to z/OSMF with your appropriate id and password.
2. z/OS Customer view: install a PSI provided from a software vendor using z/OSMF Software Management's deployment task.

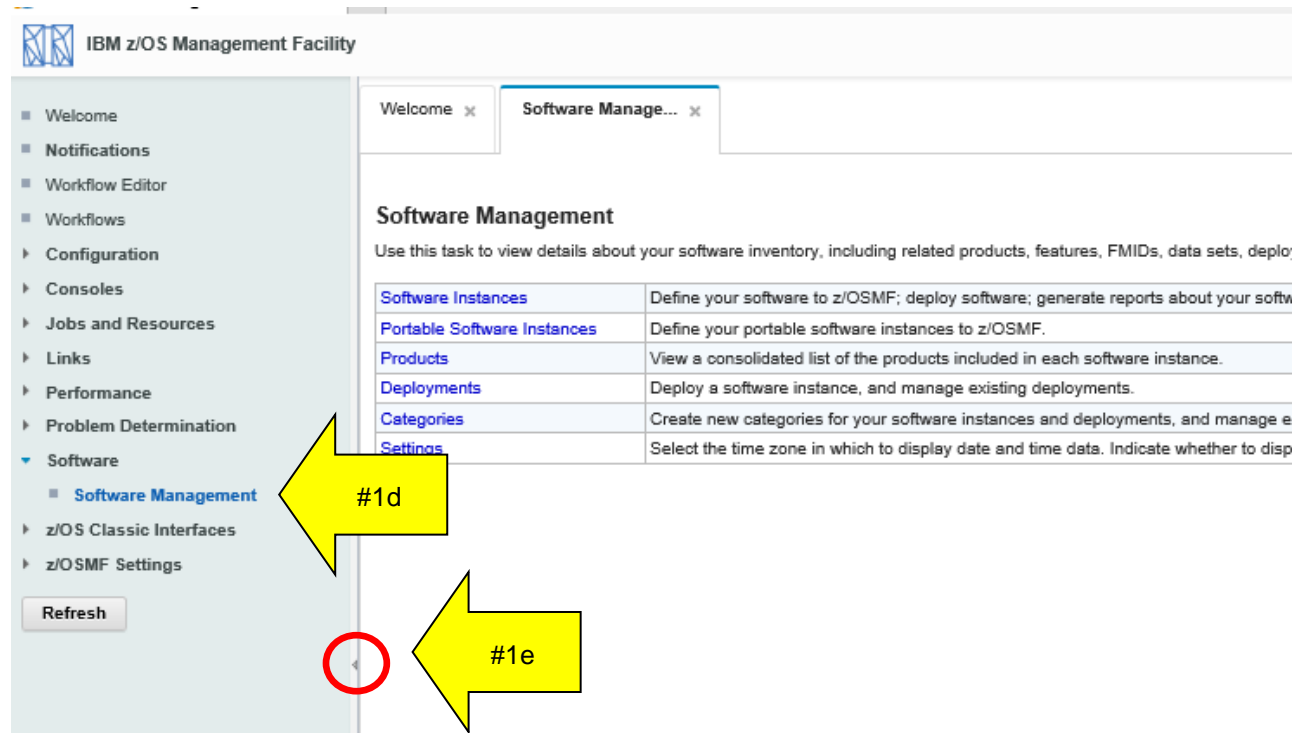
1. Logon to z/OSMF.

In this step, we will now go into z/OSMF to use the Software Management function. For this module, we are using a z/OSMF V2.3 system.

- Go to your appropriate z/OSMF URL for your enterprise.
- Using the appropriate userid and the password, logon to z/OSMF.
- Click on “Log in”. (Do not click on “Use desktop interface”, to match this module.)

The screenshot shows the IBM z/OS Management Facility login page. The browser's address bar is highlighted with a yellow arrow labeled #1a. The page header includes the IBM logo, the text "IBM z/OS Management Facility", and a "Hello World!" message. There are links for "LEARN MORE" and "NEED HELP?". The main content area has a "Welcome to z/OS" heading, 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 "shar:nn" and "z/OS PASSWORD" with masked characters. A yellow arrow labeled #1b points to the password field. Below the password field is a checkbox labeled "Use desktop interface" with a help icon. A blue "LOG IN" button is at the bottom, with a yellow arrow labeled #1c pointing to it.

- d. Click on “Software”, to untwist the choices, then “Software Management” to launch the function.
- e. You can click on the “close” arrow head (in the **red circle**) below to show Software Management as the full screen.



Let's assume you've bought a great new product from Kitty Corp! You've acquired the file (somehow, possibly via GIMGTPKG) following the instructions from the vendor. (It might mean that you've un-archived it into your z/OS UNIX file system if you received it as a single pax archive file). What's next? A very simple deployment with z/OSMF Software Management.

Ensure that you are on the primary Software Management screen, and select **Portable Software Instances**

Welcome x

Software Manage... x

Software Management

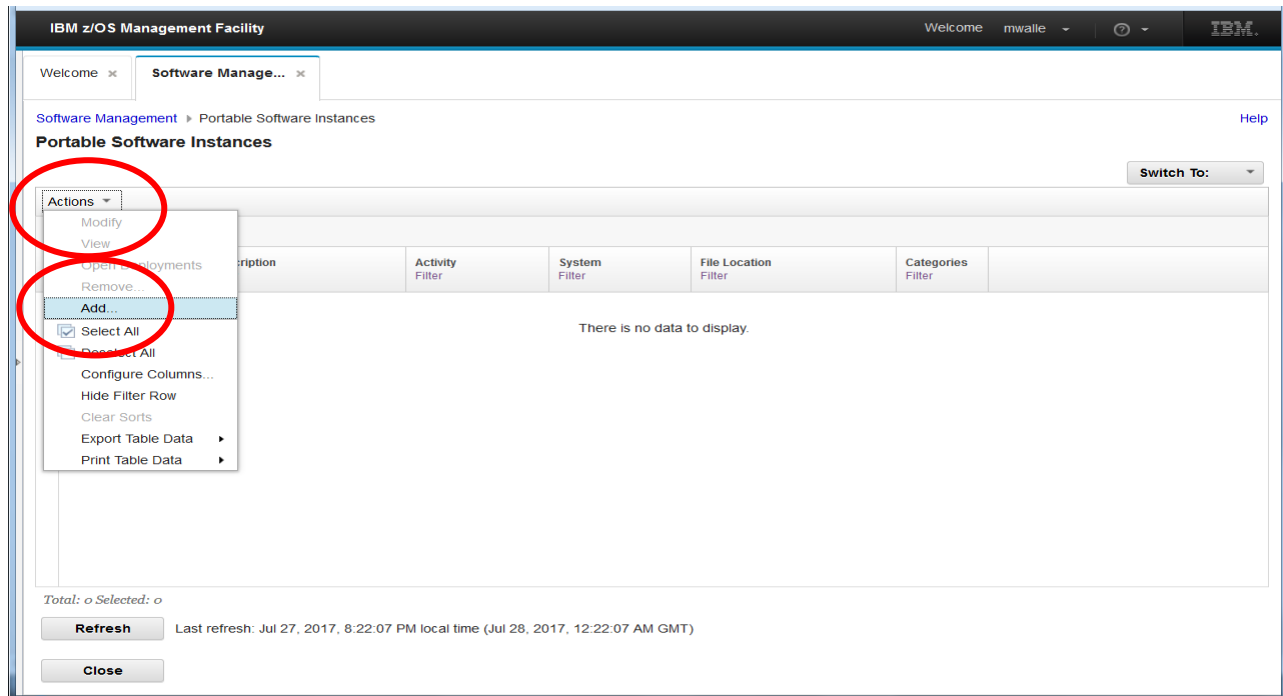
Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODs. [Learn more...](#)

Software Instances	Define your 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.

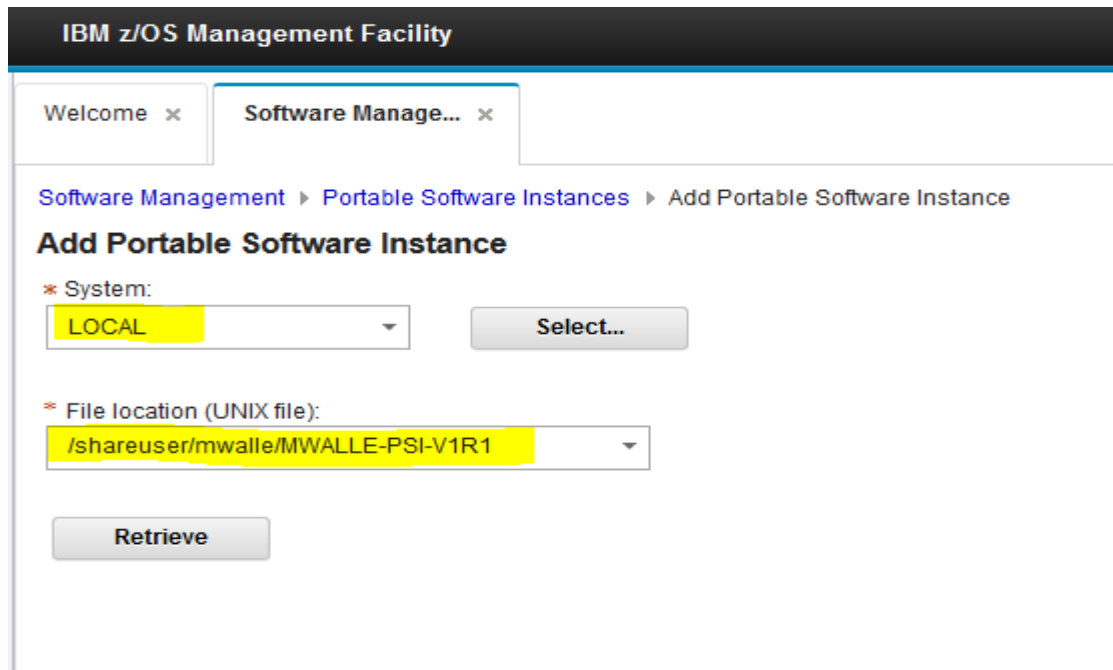
This is where all the Portable Software Instances (PSI) on this system can be found.

- The example shown will be from a z/OS UNIX location **/shareuser/mwalle/MWALLE-PSI-V1R1** .

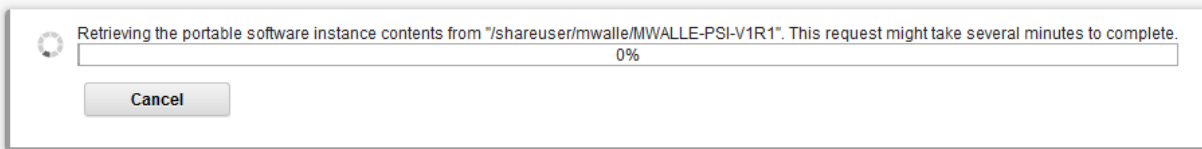
You know where your PSI has been stored (from one of the bullets above). Go to **Actions -> Add**. You are going to add your PSI to the inventory for installing.



On the next screen, select the **System** as **Local** (or whatever is appropriate for your system), and then provide the z/OS UNIX location where you had your PSI. For this example, it is **/shareuser/mwalle/MWALLE-PSI-V1R1**. Click on **Retrieve**.



It might take a moment or two:



When it has been successfully retrieved, you'll see some information (about that product) in the PSI. Click on **OK**.

Welcome x

Software Manage... x

Software Management > Portable Software Instances > Add Portable Software Instance

Add Portable Software Instance

* System:

LOCAL

Select...

* File location (UNIX file):

/shareuser/mwalle/MWALLE-PSI-V1R1

Retrieve

* Name:

MWALLE-PSI-V1R1

Description: (maximum 256 characters, currently 0 characters)

MWALLE's Portable Software Instance to show the z/OS Installation Strategy.

Categories

Actions ▾

⚡ No filter applied

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

OK

Cancel

Your PSI is ready to be installed!

[Software Management](#) ▶ Portable Software Instances

Portable Software Instances

Actions ▼						
↔ No filter applied						
<input type="checkbox"/>	Name Filter	Description Filter	Activity Filter	System Filter	File Location Filter	Categories Filter
<input type="checkbox"/>	MWALLE-PSI-V1R1	MWALLE's Portable Software Instance to show the z/OS Installation Strategy.		LOCAL	/shareuser/mwalle/MWALLE-PSI-V1R1	

Let's get the install (deployment) started. On the far right, click on the **Switch To:** drop down and select **Deployments**.

The screenshot shows the 'Portable Software Instances' page in the IBM z/OS Management Facility. The 'Switch To:' dropdown menu is open, displaying the following options: Software Instances, Portable Software Instances, Products, and Deployments. The 'Deployments' option is currently selected and highlighted in blue. The table below shows one instance: MWALLE-PSI-V1R1, which is a Portable Software Instance to show the z/OS Installation Strategy, located at /shareuser/mwalle/MWALLE-PSI-V1R1 on a LOCAL system.

You are now in the Deployment section. You will take the PSI and copy it onto your system. This Deployment function is rather old in z/OSMF, so you might be familiar with it already. From the **Actions** drop-down, select **New**.

The screenshot shows the 'Deployments' page in the IBM z/OS Management Facility. The 'Actions' dropdown menu is open, displaying the following options: Modify, View, Copy..., Cancel..., Remove..., New..., Select All, Deselect All, Configure Columns..., Hide Filter Row, Clear Sorts, Export Table Data, and Print Table Data. The 'New...' option is currently selected and highlighted in blue. The table below shows one deployment: MASTER_SMPEV3.6_WITH_PTF, which is a sample deployment that is used for demos, completed, and located on a LOCAL system. It is associated with the source software MASTER_SMPEV3.6_WITH_PTF and the target software instance DEMO_SMPEV3.6_WITH_PTF.

You have the mini-wizard for deploying (installing) the software instance. Select the first option, **Specify the properties for this deployment.**

[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.
	Configure this deployment.
	Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none">• View the deployment summary.
	Submit deployment jobs.
	Specify the properties for the target software instance.

Close

Fill in what you want to call the deployment. Since it's for Kitty Corp's Marna V1R1 PSI, that is decent name, but you have to pick a name that is unique since you can't have duplication deployment names. Perhaps put your assigned userid in the deployment name to make it unique. Click **OK**. Then progressing through the mini-wizard, select the next step: **Select the software to deploy.**

Welcome x

Software Manage... x

[Software Management](#) ▶ [Deployments](#) ▶ [Deployment Checklist](#) ▶ Specify Deployment Properties

Specify Deployment Properties

Enter a name and optional description for this deployment.

* Name:

KittyCorpMarnaV1R1

Description: (maximum 256 characters, currently 54 characters)

The installation of Kitty Corp. product Marna at V1R1.

Categories

Actions ▾

↔ No filter applied

Name Filter	Description Filter	Activity Filter	Last Modified (Local) Filter	Modified By Filter	Location Filter

There is no data to display.

Now this part is new! You want to select the **Portable Software Instance** you just received from Kitty Corp (the name you used when you added the Portable Software Instance above!). Then Select **OK** to continue. Then proceed with **Set the object for this deployment**.

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 ▾						
🔍 No filter applied						
Name Filter	Description Filter	Activity Filter	System Filter	File Location Filter	Categories Filter	
<input checked="" type="radio"/> MWALLE-PSI-V1R1	MWALLE's Portable Software Instance to show the z/OS Installation Strategy.		LOCAL	/shareuser/mwalle/MWALLE-PSI-V1R1		

Total: 1 Selected: 1

Refresh

Last refresh: Jul 28, 2017, 3:55:30 PM local time (Jul 28, 2017, 7:55:30 PM GMT)

You are a customer, and you need to install this PSI. Select that you want to **Create a new software instance**, with **A new global zone CSI**, on your **LOCAL** system. Then **OK**. Continue on by clicking on **Check for missing SYSMODs** on the mini-wizard.

Welcome x
Software Manage... x

Software Management ▸ Deployments ▸ Deployment Checklist ▸ Select Deployment Objective

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 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:

LOCAL

We are going to move through this older function very quickly, since it not unique for PSI installations. Do note, however, what you are doing at each step during the deployment. Click on **Next**.

[Software Management](#) > [Deployments](#) > [Deployment Checklist](#) > Check for Missing SYSMODs

Check for Missing SYSMODs

Welcome

Select Reports
Define Data Set
Settings
Get HOLDDATA
Summary

Welcome

Use this wizard to generate reports that help you identify if you are missing any SYSMODs in your source software 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.
- Define data set settings.
- Confirm that you received the latest HOLDDATA.
- Review your selections, and generate the reports.

This is where you can run various SMP/E reports to see if any dependencies are missing or regressions would happen between this software instance and other software instances you already have. We are going to skip this portion, so uncheck the two boxes, and click on **Finish**.

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

☐ 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...](#)

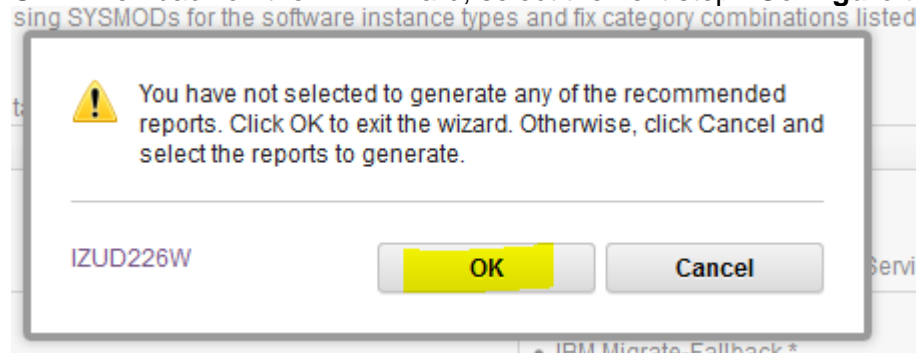
< Back

Next >

Finish

Cancel

We understand that it is not recommended to skip the dependency and regression reports, so click **OK**. Then back on the mini-wizard, select the next step: **Configure this deployment**.



This is where you can do a lot of customization for how you want this PSI installed! After reading through all the items that we are going to (briefly) go through, click **Next>**.

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

Configure Deployment for MWALLE-PSI-V1R1

<ul style="list-style-type: none"> Welcome DLIBs Model SMP/E Zones Data Sets Catalogs Volumes and Storage Classes Mount Points 	<p>Welcome</p> <p>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.</p> <hr/> <p>This wizard guides you through the following steps:</p> <ol style="list-style-type: none"> 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.
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Select **Yes** because we want to take the DLIBs that Kitty Corp has sent us. Then **Next>**.

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

Configure Deployment for MWALLE-PSI-V1R1

<ul style="list-style-type: none"> ✓ Welcome DLIBs Model SMP/E Zones Data Sets Catalogs Volumes and Storage Classes Mount Points 	<p>DLIBs</p> <p>Indicate whether you want this deployment to copy the distribution zones and the distribution libraries (DLIBs) that are associated with the source software.</p> <hr/> <p>Do you want to copy the distribution zones and libraries associated with the source software?</p> <p> <input checked="" type="radio"/> Yes <input type="radio"/> No </p>
--	--

Assuming that this is the first time we've ever installed this Kitty Corp product, we are going to model this deployment on what Kitty Corp sent us. Select **The source software**, then **Next>**.

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

Configure Deployment for MWALLE-PSI-V1R1

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

Model

Select the software to use as a model for configuring the target software instance. z/OSMF uses the data 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

Wait just a bit:

✳ 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

To show how easy it is to decide your own target and dlib zones names, enter something new here. Then click **Next>**.

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

Configure Deployment for MWALLE-PSI-V1R1

- ✓ 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 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 <small>Filter</small>	Target DLIB Zone <small>Filter</small>	Messages <small>Filter</small>	Source Target Zone <small>Filter</small>	Source DLIB Zone <small>Filter</small>
MYTARG	MYDLIB		TARGET	DLIB

This is where you could spend a lot of time customizing the names and placements of data sets in your environment. Notice something interesting here: this PSI contains both SMP/E and non-SMP/E data sets, proving that the PSI doesn't care what it contains, and can handle both SMP/E and non-SMP/E data sets just fine. Of course, it doesn't even need to contain any SMP/E installed products if the ISV didn't want to package their product with SMP/E.

Software Management > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for MWALLE-PSI-V1R1

- ✓ 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.

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 Volumes Filter	Source Class Filter
<input checked="" type="checkbox"/>	MWALLE.PSI.CDA.H		SHARE		MWALLE.PSI.CDA.H	SHR003	SHARE
<input type="checkbox"/>	MWALLE.PSI.CDA.LINK		SHARE		MWALLE.PSI.CDA.LINK	SHR003	SHARE
<input type="checkbox"/>	MWALLE.PSI.CDA.LPA		SHARE		MWALLE.PSI.CDA.LPA	SHR001	SHARE
<input type="checkbox"/>	MWALLE.PSI.CDA.PANELS		SHARE		MWALLE.PSI.CDA.PANELS	SHR003	SHARE
<input type="checkbox"/>	MWALLE.PSI.CDA.PDSE.LOAD		SHARE		MWALLE.PSI.CDA.PDSE.LOAD	SHR001	SHARE
<input type="checkbox"/>	MWALLE.PSI.CDA.REXX		SHARE		MWALLE.PSI.CDA.REXX	SHR005	SHARE
<input checked="" type="checkbox"/>	MWALLE.PSI.CSI		TSO		MWALLE.PSI.CSI	SHTSO6	TSO
<input type="checkbox"/>	MWALLE.PSI.SMPLTS		TSO		MWALLE.PSI.SMPLTS	SHTSO3	TSO
<input type="checkbox"/>	MWALLE.PSI.SMPMTS		TSO		MWALLE.PSI.SMPMTS	SHTSO5	TSO

Total: 12 Selected: 0

< Back

Next >

Finish

Cancel

If you wanted to investigate renaming or moving data sets, select the data set(s) and then do **Actions->Modify**. To move through this module quickly, though, we won't show that. It is pretty intuitive once you select the data set. Spend time on this option if you like. Click on **Next>** when you are done.

Configure Deployment for MWALLE-PSI-V1R1

- ✓ 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.

Data Sets

Actions ▾

Modify

☒ Select All

☐ Deselect All

Configure Columns...

Hide Filter Row

Clear Sorts

Export Table Data ▸

Print Table Data ▸

<input type="checkbox"/>	Target Data Set Name Filter	Target Volume Filter	Target Storage Class Filter	Messages Filter	Source Data Set Name Filter	Source Volumes Filter	Source Class Filter
--------------------------	--------------------------------	-------------------------	-----------------------------------	--------------------	--------------------------------	--------------------------	---------------------------

<input type="checkbox"/>	MWALLE.PSI.CDA.PANELS		SHARE		MWALLE.PSI.CDA.PANELS	SHR003	SHARE
--------------------------	-----------------------	--	-------	--	-----------------------	--------	-------

Here is where you would ensure the cataloging is as desired. If you want to investigate, just select the name, and then **Actions** -> and what you'd like to do. Click **Next>** to continue.

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

Configure Deployment for MWALLE-PSI-V1R1

- ✓ 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 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 type="checkbox"/>	MWALLE	Existing	Yes (Required)	UCAT.SHTSO	USER	

Next up is Volumes and Storage Classes. By default (unless you changed it back on the **Data Sets** step) this Kitty Corp product will use Storage Classes. You could change volumes or Storage Classes here if you wanted. Keep going. Click **Next>**. Then **Mount Points** to move along.

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

Configure Deployment for MWALLE-PSI-V1R1

- ✓ 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 classes, or use the **Modify** action to modify them.

Volume Filter	Total Capacity (MB) Filter	Current Allocated Space (MB) Filter	Current Allocated Space (%) Filter	Messages Filter	Allocated Space After Deployme (MB) Filter	Allocated Space After Deployme (%) Filter	Allocated Space Delta (MB) Filter	Planned Threshold (%) Filter	Initialize Volume Filter	Catalog Method Filter	Indirect Catalog Entry Symbol Filter
------------------	----------------------------------	---	---------------------------------------	--------------------	--	---	--------------------------------------	---------------------------------	-----------------------------	--------------------------	---

There is no data to display.

Total: 0 Selected: 0

Target Storage Classes

Actions		
No filter applied		
Storage Class Filter	Space Required (MB) Filter	
<input type="radio"/> TSO	18.76	

Refresh

Last refresh: Jul 28, 2017, 4:36:50 PM local time (Jul 28, 2017, 8:36:50 PM GMT)

We are now at the last configurable change to do for the deployment: Mount Points. Change the mountpoint here, if you like. Click **Finish**.

[Software Management](#) ▶ [Deployments](#) ▶ [Deployment Checklist](#) ▶ [Configure Deployment](#)

Configure Deployment for MWALLE-PSI-V1R1

- ✓ 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 **Mount Point** action to modify them.

Mount Points			
Actions ▾			
✚ No filter applied			
<input type="checkbox"/> Target mount point Filter	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
<input type="checkbox"/> /shareuser/mwalle/psi	MWALLE.PSI.ZFS	/shareuser/mwalle/psi	MWALLE.PSI.ZFS

Back on the Deployment Checklist, we are moving right along. Click on **Define the job settings**. **z/OSMF** creates the deployment summary and jobs.

The deployment process we just went through will create a series of jobs to run. You can indicate where you want the jobs stored, and the JOB statement to use. We are not going to really run the jobs for this module, so you can click on **OK**.

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

Define Job Settings

To specify the job settings, provide the information requested. Then, click **OK** to generate the deployment summary and jobs. TI

* JCL data set name:

MWALLE.DM.D170728.T164559.CNTL

* JOB statement:

```

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----+-----6-----+-----7--
//MWALLEP1 JOB (ACCOUNT), 'NAME'
//*
//*
//*
```

Jobs are created:

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

Cancel

At this point, because we did no customization on the data sets, z/OSMF will tell you there are already data sets on the system with those names. That is ok, because we are not going to continue on from here in this module.

Finishing up the deployment means running the produced JCL to copy the PSI from the z/OS UNIX directory onto DASD with the names and locations, and cataloging options you wanted.

When the jobs have been completed, your Kitty Corp product is ready for you to customize and use!

What about using z/OSMF to help with the customization at this point?

Indeed! We would like, once the deployment jobs have been run and have been successful, to launch into a product-provided Workflow that accompanied the product to help with customization. That portion, however, is not ready to show in this module at this time. However, just keep that in mind when you think about how many parts of z/OSMF can help with your overall install: not just putting the code in libraries (Software Management deployment), but beyond that with customization (z/OSMF Workflow).