

z/OSMF Hands-On Labs

- Choose Your Own Topic –

**Using the z/OS installation Strategy
Creating a Portable Software Instance(PSI)**

Copyright© by SHARE Association Except where otherwise noted, this work is licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 license. <http://creativecommons.org/licenses/by-nc-nd/3.0/>

CC BY NC ND 1

Abstract:

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.

This self-directed lab will take you through each step needed to create a portable software nstance (PSI).

So, your company Hooli has developed a great new product called “The Box IIII”! You now would like to package this product up as a Portable Software Instance so you can distribute it to you customers. What’s next? A very simple creation of a PSI using z/OSMF Software Management.

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

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

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

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

1. Logon to z/OSMF with your supplied lab id and password.
2. Create a PSI of a software product using z/OSMF Software Management’s Software Instances and Portable Software Instances tasks.

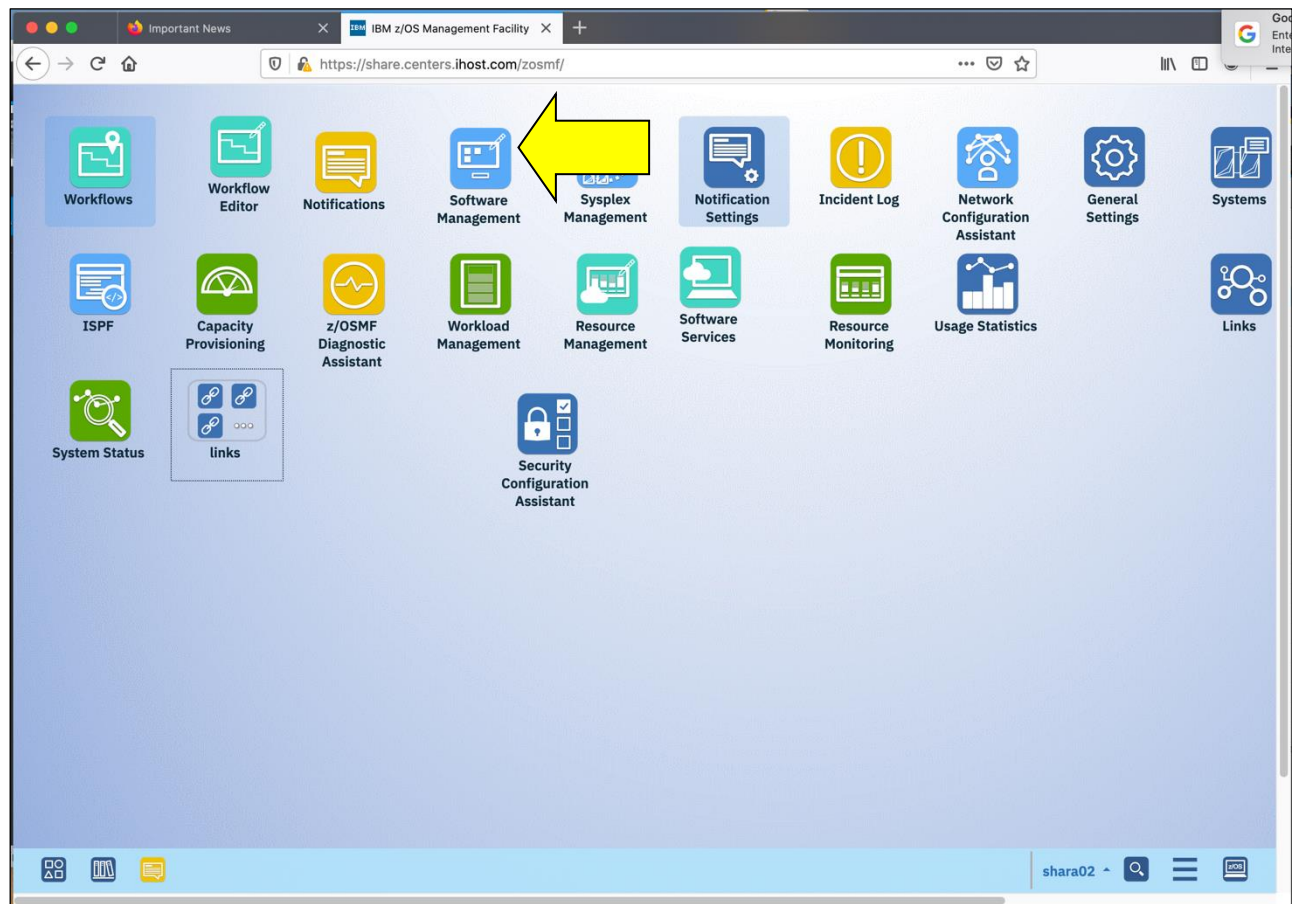
Logon to z/OSMF.

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

- Go to <https://share.centers.ihost.com/zosmf/> on the Firefox or IE web browser. (If you want to follow this lab on your own system, that is fine. Just note some of the samples we use you will need to supply yourself, using the Appendix to find those samples.).
- Using the userid you were given (SHARAnn, SHARBnn, or SHARCnn) and the password, logon to z/OSMF. The userid you were given is a regular z/OS userid on this system and has been given access to z/OSMF. There is *no* z/OSMF code on this workstation, all executables (except the web browser) are on the z/OS system.
- Click on “LOG IN”.

The screenshot shows a web browser window displaying the z/OSMF login page. The address bar shows the URL <https://share.centers.ihost.com/zosmf/>, which is highlighted by a yellow arrow labeled #1a. The page title is "IBM z/OS Management Facility". The main heading is "Welcome to z/OS", followed by the text "The highly secure, scalable and resilient enterprise operating system for the IBM z Systems mainframe." Below this, there are two input fields: "z/OS USER ID" with the value "shara02" and "z/OS PASSWORD" with masked characters "*****". A blue "LOG IN" button is positioned below the password field, highlighted by a yellow arrow labeled #1c. A yellow arrow labeled #1b points to the password field. The footer contains links for "Shopz", "IBM Support", "z Systems Redbooks", "z/OSMF home Page", "WCS Flashes and Techdocs", "z/OS home Page", and "z/OS Knowledge Center". The copyright notice at the bottom right is "© Copyright IBM Corp. 2009,2019, Version 2.4".

Click on **“Software Management”**.



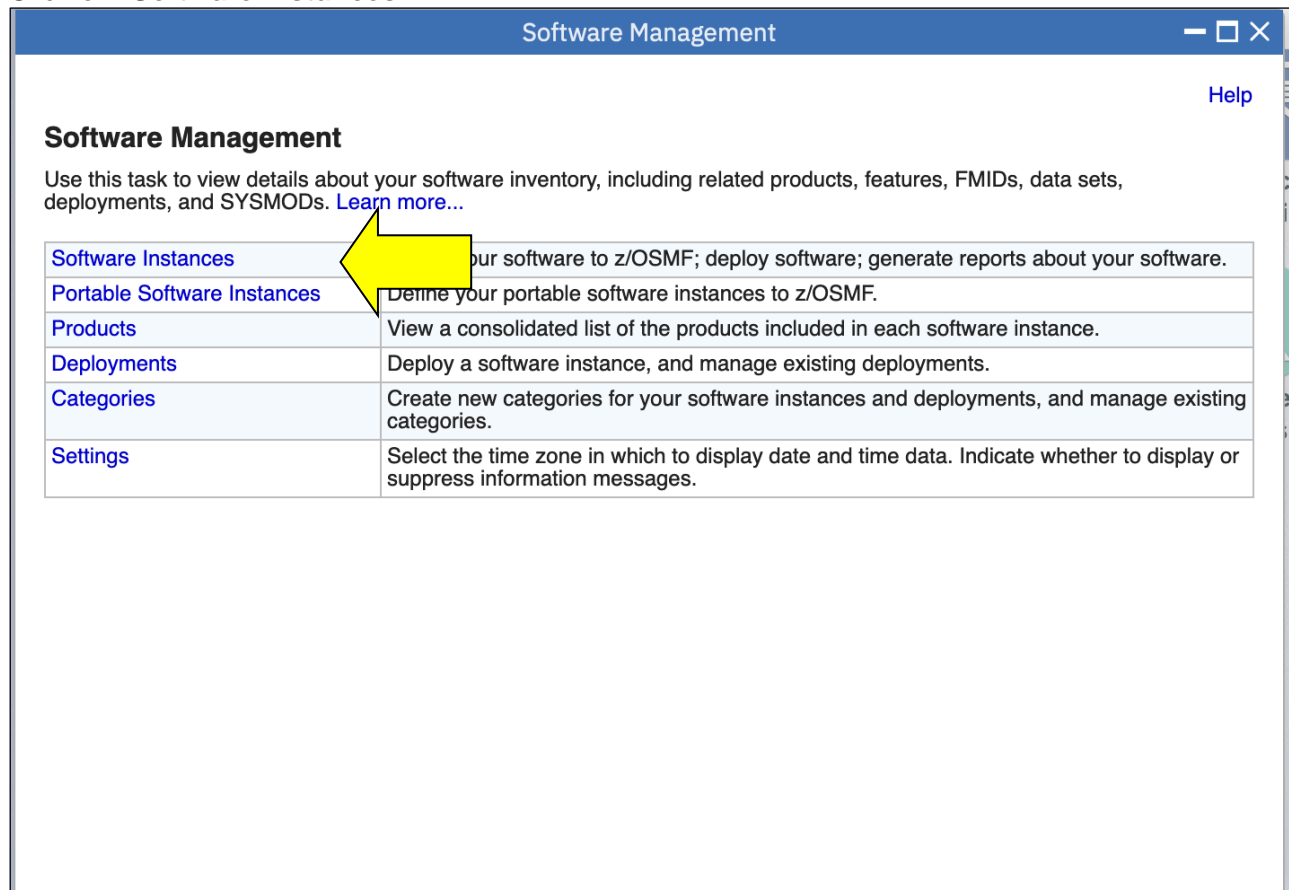
Role of the Software Vendor: define a Portable Software Instance

First, let's see how anyone, including z/OS software vendor, could provide the product we described before. There are two portions of defining a Portable Software instance:

- 1) Creating a Software Instance, and
- 2) Taking that Software Instance and making it ("exporting") a Portable Software Instance.

We will now go through the creation of a Software Instance

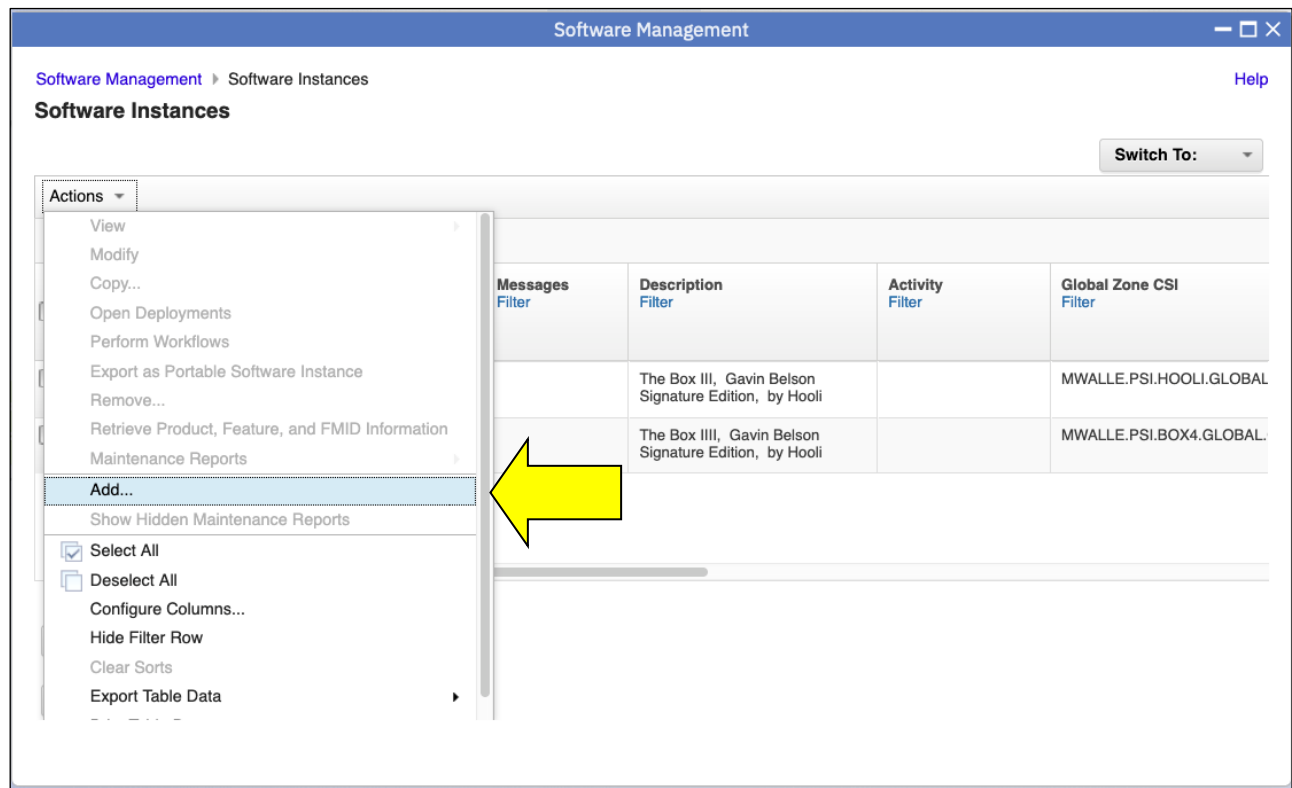
Click on **"Software Instances"**.



The screenshot shows a web application window titled "Software Management". Inside, there's a section titled "Software Management" with a "Help" link. Below this is a table of tasks. A yellow arrow points to the "Software Instances" row.

Task	Description
Software Instances	Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODs. Learn more...
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.

You will probably see many Software Instance already on the system. You want to create a new one. Click on **Actions-> Add**.



The screenshot shows the 'Software Management' window with the 'Software Instances' tab selected. The 'Actions' menu is open, and the 'Add...' option is highlighted. A yellow arrow points to the 'Add...' option. The table below shows existing software instances.

Messages Filter	Description Filter	Activity Filter	Global Zone CSI Filter
	The Box III, Gavin Belson Signature Edition, by Hooli		MWALLE.PSI.HOOLI.GLOBAL
	The Box IIII, Gavin Belson Signature Edition, by Hooli		MWALLE.PSI.BOX4.GLOBAL

Now, we have to provide some details for our Software Instance. You can see the mini-wizard on the left; the steps we need to go through. Provide the following information:

- **Name:** use the userid you are logged onto z/OSMF with, and **-PSI-V1R1**. For instance, if you were logged on with SHARA02, your **Name** would be **SHARA02-PSI-V1R1**. We are putting the V1R1 to indicate the release level of this product.
- **Description:** give whatever description you like, to describe this product (Software Instance).
- Click **Next>** to continue.

Software Management

Software Management > Software Instances > Add Software Instance

Help

Add Software Instance

- Welcome
- Name and Description**
- System and Global Zone
- Categories
- Non-SMP/E Managed Data Sets
- Products and Features
- Summary

Name and Description

Enter the name and description of the software instance.

* Name:
SHARA02-PSI-V1R1

Description: (maximum 256 characters, currently 68 characters)
My Portable Software Instance to show the z/OS Installation Strategy

< Back Next > Cancel

- This is where you say what system contains the contents of your Software Instance. We are using the same system we are logged onto for this lab, so select **S2** from the System pull-down.
- We need to add the name of the SMP/E CSI we have installed into. Everyone has to enter **MWALLE.PSI.BOX4.GLOBAL.CSI** here, because that is where the SMP/E-installed portion of our product has been installed for this lab. All lab user IDs have read access to this data set.
- Continue on with **Next>**

Software Management

Software Management > Software Instances > Add Software Instance

Help

Add Software Instance

Welcome

✓ Name and Description

➡ **System and Global Zone**

Categories

Non-SMP/E Managed Data Sets

Products and Features

Summary

System and Global Zone

Select the system and the global zone CSI associated with the product set. If the software instance being defined is not managed by SMP/E select **No Global Zone**.

* System:

S2 Select...

* Global Zone CSI ([Learn more...](#)):

MWALLE.PSI.BOX4.GLOBAL.CSI

< Back **Next >** Cancel

- This is where you can say which zones you want of the CSI. We want to include all the zones, so select the box next to Target.
- Then click **Next>** .

Software Management

Software Management

Software Instances

Add Software Instance

Help

Add Software Instance

Welcome

✓ Name and Description

✓ System and Global Zone

➡ Target Zones

Categories

Non-SMP/E Managed Data Sets

Products and Features

Summary

Target Zones

Select the target zones that describe the target libraries associated with the product set.

Target Zones

Actions

No filter applied

<input checked="" type="checkbox"/>	Name Filter	Description Filter	Messages Filter	Related DLIB Zone Filter	CSI Data Set Filter
<input checked="" type="checkbox"/>	TGT			DLIB	MWALLE.PSI.BOX4.GLOBAL.CS

Total: 1 Selected: 1

Refresh

Last refresh: Feb 21, 2020, 2:31:47 PM local time (Feb 21, 2020, 7:31:47 PM GMT)

< Back

Next >

Cancel

© Copyright IBM Corp.2022

9

Materials may not be reproduced in whole or in part
without the prior written permission of IBM.

- The next screen is for a Category, if we wanted to specify one. We aren't going to use a Category for this lab, just click on **Next>**.

Software Management

Software Management > Software Instances > Add Software Instance

Help

Add Software Instance

Welcome

- ✓ Name and Description
- ✓ System and Global Zone
- ✓ Target Zones
- ➔ **Categories**
- Non-SMP/E Managed Data Sets
- Products and Features
- Summary

Categories

A category is a string or label used to organize and group software instances and deployments. A category might denote a system, subsystem, software vendor, software life cycle state, business function, or geographic location. Select one or more categories to assign to the software instance.

Categories

Actions ▾

✚✚ No filter applied

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

Total: 0 Selected: 0

Refresh Last refresh: Feb 21, 2020, 2:33:41 PM local time (Feb 21, 2020, 7:33:41 PM GMT)

< Back Next > Cancel

- Now, we get to the part we have to add the non-SMP/E product to our Software Instance if we had one. Let's assume that our product deliverable has no non-SMP/E data sets. For this lab we Click on **Next>**.

Software Management

Software Management > Software Instances > Add Software Instance

Help

Add Software Instance

Welcome

- ✓ Name and Description
- ✓ System and Global Zone
- ✓ Target Zones
- ✓ Categories
- ➔ **Non-SMP/E Managed Data Sets**
- Products and Features
- Summary

Non-SMP/E Managed Data Sets

z/OSMF automatically includes a data set in the software instance if it is updated by SMP/E and is associated with the software in the software instance. If you have a data set that is not updated by SMP/E but is associated with the software in the software instance, such as a procedure library, configuration file, or vendor product, use the Add action to explicitly add it to the software instance.

Data Sets

Actions ▾

✚✚ No filter applied

Name Filter	Volume Filter
There is no data to display.	

Total: 0 Selected: 0

< Back Next > Cancel

- The next section is to identify and products and features associated product. You could add information here if you like, for customers to know about this product. Let's give put some information there. Click on **Actions -> Add**. Add any information you'd like, including Features (with an **Actions -> Add**) – remembering to select them.

The screenshot shows a web interface titled "Software Management" with a breadcrumb trail: "Software Management > Software Instances > Add Software Instance > Add Product And Features". The main heading is "Add Product And Features".

Under the heading, there are two radio buttons for "Add product by": "Defining a new product:" (selected) and "Selecting existing defined products:".

Below this, there are several input fields:

- "Product name:" with a text box containing "The Box III Product".
- "Release:" with a text box containing "V1.0".
- "General availability date:" with a date picker showing "2/22/2022".
- "Additional Product Information(URL):" with a text box containing "https://www.hooli.com/boxIII".
- "Product ID:" with a text box containing "1234-566".
- "Vendor:" with a dropdown menu showing "Hooli Software".
- "End of service:" with three radio buttons: "Unknown" (selected), "Not announced", and "Date:" (disabled).

At the bottom, there is a "Features:" section with a table. The table has a header "Actions" and a column "Feature". The table contains three rows, each with a checked checkbox and a feature name:

Actions	Feature
<input checked="" type="checkbox"/>	Awesome Product Capability for a Smarter Planet
<input checked="" type="checkbox"/>	Another Awesome Product Capability to Amaze

At the bottom of the form are "OK" and "Cancel" buttons.

- Click on **OK**.

- Select the Product, and click on **Next>**

Software Management

Software Management > Software Instances > Add Software Instance

Help

Add Software Instance

Welcome

✓ Name and Description

✓ System and Global Zone

✓ Target Zones

✓ Categories

✓ Non-SMP/E Managed Data Sets

✚ Products and Features

✓ Summary

Products and Features

Optionally identify any products and features associated with the Non-SMP/E managed data sets.

Products and Features

Actions Table view: Tree

No filter applied

Product/Feature Filter	Release Filter	Product ID Filter	Vendor Filter	Activity Filter	SMP/E Managed Filter	General Availability Filter
✓ The Box III Product		1234-566	Hooli Software		No	Feb 22, 2022

Total: 3 Selected: 3

< Back

Next >

Finish

Cancel

Does everything look good on your Summary page?

We are almost done packaging up our Software Instance, with the exception of our Workflows... This screen summarizes the contents of our package. You can browse through it. You'll see the SMP/E portion of our product (only the Global CSI), and the non-SMP/E portion of our product (the six data sets we added). Click **Finish** and we are done!

Software Management

Software Management > Software Instances > Add Software Instance

Help

Add Software Instance

Welcome

- ✓ Name and Description
- ✓ System and Global Zone
- ✓ Target Zones
- ✓ Categories
- ✓ Non-SMP/E Managed Data Sets
- ✓ Products and Features
- ➡ Summary

Summary

Review your selections. To make changes, return to the appropriate page by clicking **Back**. When you are ready to create the software instance, click **Finish**.

Name:
SHARA02-PSI-V1R1

Description:
My Portable Software Instance to show the z/OS Installation Strategy

Global Zone CSI Data Set:
MWALLE.PSI.BOX4.GLOBAL.CSI on system S2

Target Zones:
TGT

< Back Next > **Finish**

You will now see your Software Instance. We still need to add our Workflows that we are shipping to aid in the setting up of our product. Select your Software Instance and click **Actions->Modify**.

The screenshot shows the 'Software Management' console with the 'Software Instances' page. A message bar at the top states: 'The product, feature, and FMID information for software instance "SHARA02-PSI-V1R1" on system "S2" was retrieved.' Below this, a table lists software instances. The 'Actions' dropdown menu is open, and a yellow arrow points to the 'Modify' option.

Message Filter	Description Filter	Activity Filter	Global Zone CSI Filter	Target Zones Filter
	The Box III, Gavin Belson Signature Edition, by Hooli		MWALLE.PSI.HOOLI.GLOBAL.CSI	MYTGT
	The Box III, Gavin Belson Signature Edition, by Hooli		MWALLE.PSI.BOX4.GLOBAL.CSI	TGT
	My Portable Software Instance to show the z/OS Installation Strategy		MWALLE.PSI.BOX4.GLOBAL.CSI	TGT

Click on the **Workflows** tab.

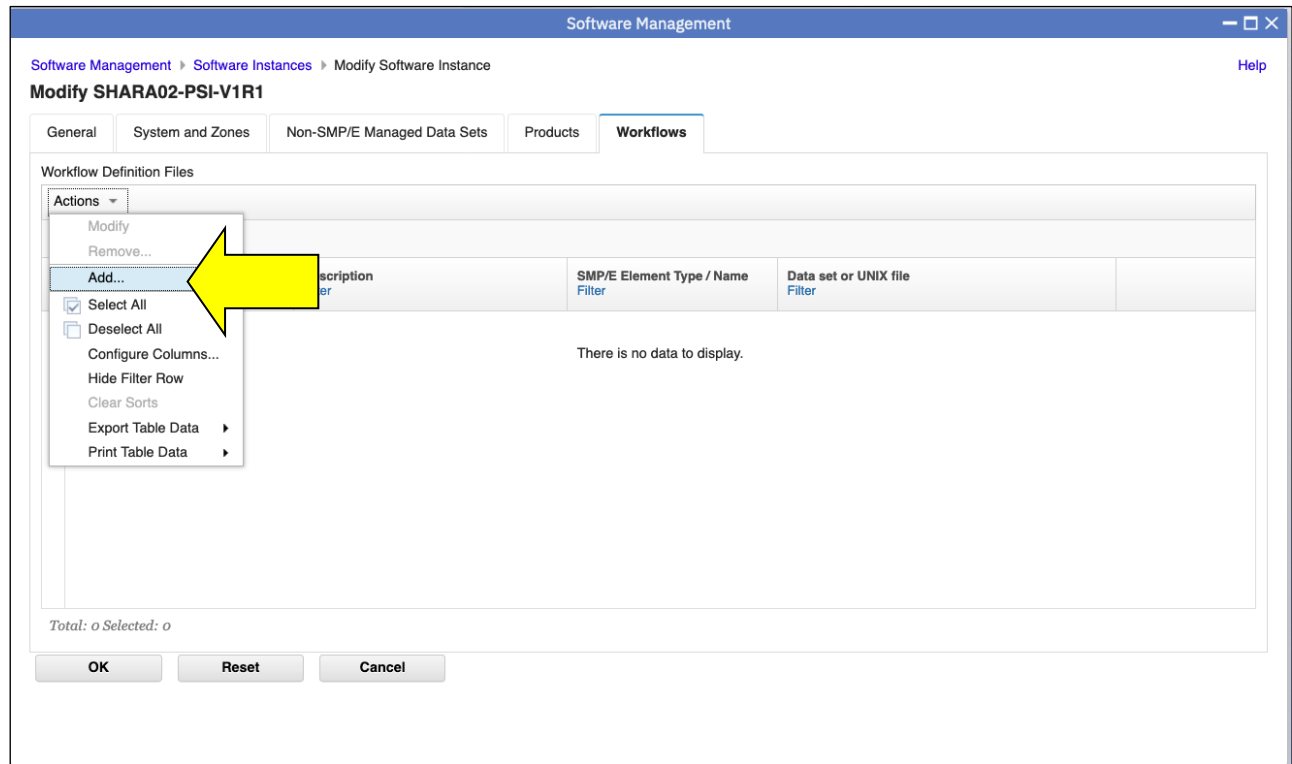
The screenshot shows the 'Modify SHARA02-PSI-V1R1' page. The 'Workflows' tab is selected, and a yellow arrow points to it. The page displays a 'Workflow Definition Files' section with a table that currently has no data.

Sequence Filter	Name Filter	Description Filter	SMP/E Element Type / Name Filter	Data set or UNIX file Filter
There is no data to display.				

Total: 0 Selected: 0

OK Reset Cancel

Now we want to add our Workflow dataset to the Software Instance. Click on **Actions->Add**.



Here we will give a Name, Description and location of our workflows. You can give any Name and Description for your workflows. Select Must Perform on z/OSMF Host System **Yes**.

For the location of the workflow definition file, select **No** for Is defined file SMP/E managed.

For the data set name use: **MWALLE.PSI.BOX4.WORKFLOW(HOOLWELC)** for the 1 Sequence.

Click on **OK**. Then continue to add more workflows.

Add **MWALLE.PSI.BOX4.WORKFLOW(HOOLSETU)** for 2 Sequence.

Then add **MWALLE.PSI.BOX4.WORKFLOW(HOOLIVP)** for 3 Sequence

These three workflows represent a Welcome workflow, a configuration workflow for setting up the product, and a verification program after the product has been activated.

Software Management

Software Management > Software Instances > Modify Software Instance > Add Workflow

Add Workflow

Sequence
1

*Name:
The Box 4 Workflow

Description:
Workflows to set up the product The Box 4

Must Perform on z/OSMF Host System:
☒ Yes ☐ No

Location of workflow definition file
Is definition file SMP/E managed:
☐ Yes ☒ No

*Partitioned data set member, sequential data set, or U
MWALLE.PSI.BOX4.WORKFLOW(HOOLWELC)

OK Cancel

Make sure you have selected all the workflows you want to include (3 of them) to our Software Instance. Click on **OK**.

Software Management

Software Management

Software Management » Software Instances » Modify Software Instance

Help

Modify SHARA02-PSI-V1R1

GeneralSystem and ZonesNon-SMP/E Managed Data SetsProductsWorkflows

Workflow Definition Files

Actions

No filter applied

<input checked="" type="checkbox"/>	Sequence Filter	Name Filter	Description Filter	Must Perform On z/OSMF Host System Filter	SMP/E Element Type / Name Filter	Data set or UNIX file Filter
<input checked="" type="checkbox"/>	1	The Box 4 Workflow	Workflows to set up the product The Box 4	Yes		MWALLE.PSI.BOX4.WORKFLOW(HOOLWELC)
<input checked="" type="checkbox"/>	2	The Box 4 Workflow Setup	Workflow used to set up the product for The Box 4 configuration.	Yes		MWALLE.PSI.BOX4.WORKFLOW(HOOLSETU)
<input checked="" type="checkbox"/>	3	The Box 4 Workflow IVP	Verification workflow for The Box 4	Yes		MWALLE.PSI.BOX4.WORKFLOW(HOOLIVP)

Total: 3 Selected: 3

OK

Reset

Cancel

Let's recap: we packaged a product into a Software Instance that contained the contents we desired. This isn't new, and creating Software Instances is a very old function in z/OSMF Software Management. Now, let's get to the newer part specifically...taking that Software Instance and making it a **Portable Software Instance (PSI)**.

We need to make the PSI so that we can distribute it to our paying customers and they can use this great new product our company (Hooli) has produced.

The PSI is a package that can be acquired by our paying customers, and stored into z/OSMF for installation. Creating a PSI is very easy, once you've got your Software Instance defined!

On the Software Instances main screen (where all the system's Software Instances have been defined), select your Software Instance (called something like **SHARA02-PSI-V1R1**), and then **Actions -> Export as Portable Software Instance**.

The screenshot shows the 'Software Management' console with the 'Software Instances' page. An 'Actions' menu is open, highlighting 'Export as Portable Software Instance' with a yellow arrow. The table below lists three software instances, with the third one, 'My Portable Software Instance to show the z/OS Installation Strategy', highlighted in blue.

Messages Filter	Description Filter	Activity Filter	Global Zone CSI Filter	Target Zones Filter	Cs Filter
	The Box III, Gavin Belson Signature Edition, by Hooli		MWALLE.PSI.HOOLI.GLOBAL.CSI	MYTGT	
	The Box III, Gavin Belson Signature Edition, by Hooli		MWALLE.PSI.BOX4.GLOBAL.CSI	TGT	
	My Portable Software Instance to show the z/OS Installation Strategy		MWALLE.PSI.BOX4.GLOBAL.CSI	TGT	

You need to provide some information. Say:

- **Yes**, for exporting the distribution zones and libraries. We definitely want our customers to have all the complete SMP/E installation information.
- a location where the PSI will be stored. This location will be filled in by default, however that default will not work on our lab system. Change the UNIX directory to be **/u/<your user id>/SHARA02-PSI-V1R1** , updating the **purple** part with the lower case of your assigned userid. This is case sensitive.
- The JCL data set name default should be fine. This is the location where the export JCL will be saved, in case you want to see it later.
- If not already there, add **,REGION=0M** to the end of the JOB statement.
- Click **Next>**.

Software Management

Software Management > Software Instances > Export as Portable Software Instance

Export as Portable Software Instance

Export Properties

Specify the properties used for the export to a portable software instance of the selected software instance.

System:
S2

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

☒ Yes
☐ No

* UNIX directory:

* JCL data set name:

* JOB statement:
-----1-----2-----3-----4-----5-----6-----7--
//SHARA02P JOB (ACCOUNT), 'NAME', REGION=0M
//*

< Back **Next >** Finish Cancel

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

Retrieving information about the data sets included in the selected software instance. This request might take several minutes to complete.

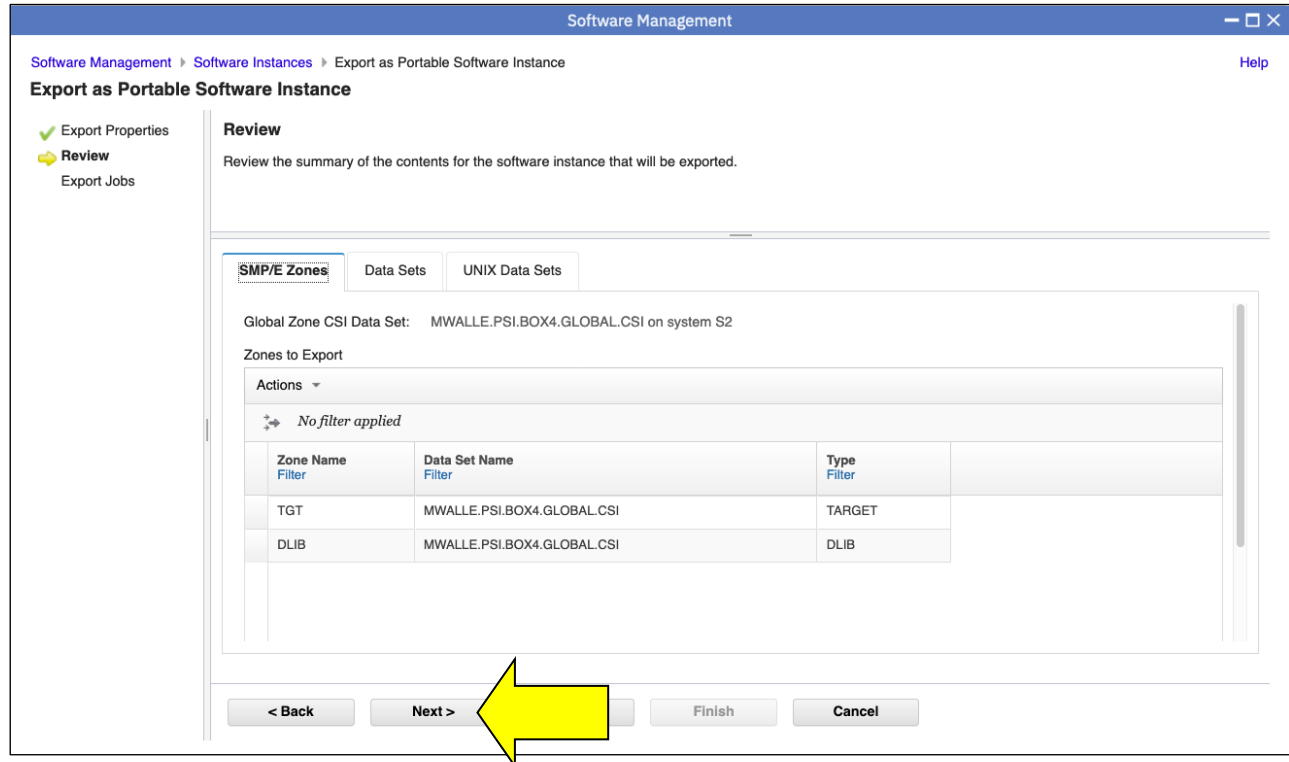
10%

Cancel

/u/shara02/SHARA02-PSI-V1R1

You should then see several review tabs. Click through each one...this is what will be put into your PSI. You can see that there is both SMP/E Zones, Data Sets (including the workflow), and since we do not have a z/OS UNIX file system that section will be blank. Just what we wanted! Notice, PSIs can include any type of data set: file system, VSAM, PDS, PDSE, sequential ...

Click **Next>**.



You can now see the JCL that will do the export to the PSI. You can browse it if you like, by clicking on the blue job name:

Software Management

Software Management

Software Instances

Export as Portable Software Instance

Help

Export as Portable Software Instance

Export Properties

Review

Export Jobs

Export Jobs

Export Jobs

Review the jobs created for this export, and submit the jobs in sequential order. When all the jobs are complete, click Finish.

JCL data set name: SHARA02.DM.D200221.T150526.CNTL

System: S2

Jobs

Actions

No filter applied

Sequence Filter	JCL Data Set Member Name Filter	Description Filter	System Filter	Status Filter	M Fi
<input checked="" type="checkbox"/> 1	IZUD01EX	Export Software Instance: Create portable archives for each data set in the software instance.	S2		

Total: 1 Selected: 1

Refresh

Last refresh: Feb 21, 2020, 3:14:25 PM local time (Feb 21, 2020, 8:14:25 PM GMT)

< Back

Next >

Save

Finish

Cancel

With the job selected do **Actions -> Submit job**. Once submitted you will get a message that the job has been submitted.

Job "SHARA02P" (JOB14897) has been submitted.

IZUD786I

Feb 21, 2020, 3:17:18 PM

×

© Copyright IBM Corp.2022

21

Materials may not be reproduced in whole or in part
without the prior written permission of IBM.

Give the job about a minute to run, then Click on **Refresh**. When completed successfully, you can look at the output by using **Actions -> View -> Job output**. You should have all rc=0's.

Software Management > Software Instances > Export as Portable Software Instance

Export as Portable Software Instance

- ✓ Export Properties
- ✓ Review
- 👉 Export Jobs

Export Jobs

Review the jobs created for this export, and submit the jobs in sequential order. When all the jobs are complete, click Finish.

▼ Messages 0 0 1

📘 Job "SHARA02P" (JOB05166) has been submitted. IZUD788I Feb 23, 2022, 8:06:07 PM

JCL data set name: SHARA02.DM.D220223.T200339.CNTL
System: S2

⚙️ No filter applied

<input type="checkbox"/>	Sequence Filter	JCL Data Set Member Name Filter	Description Filter	System Filter	Status Filter	Messages Filter
<input type="checkbox"/>	1	IZUD01EX	Export Software Instance: Create portable archives for each data set in the software instance.	S2	✓ Complete	

Total: 1 Selected: 0

Last refresh: Feb 23, 2022, 8:06:25 PM local time (Feb 24, 2022, 1:06:25 AM GMT)

Software Management

Software Management » Software Instances » Export as Portable Software Instance » View Job Output

View Job Output

Name: SHARA02P

ID: JOB05166

Class: A

Status: Complete

Return code: CC 0000

JESMSG LG	JESJCL	JESYSMSG	STDOUT	STDOUT	SYSPRINT	STDOUT	SYSPRINT	STDOUT	SMPOUT	SYSPRINT
-----------	--------	----------	--------	--------	----------	--------	----------	--------	--------	----------

DD name: JESMSG LG

Step name: JES2

Procedure step name:

Dataset ID: 2

Class: A

Record count: 26

Byte count: 2049

Output (2.00 of 2.00 KB shown)

JES2 JOB LOG -- SYSTEM S2 -- NODE N1

20.06.06 JOB05166 ---- WEDNESDAY, 23 FEB 2022 ----

20.06.06 JOB05166 IRR010I USERID SHARA02 IS ASSIGNED TO THIS JOB.

20.06.06 JOB05166 ICH70001I SHARA02 LAST ACCESS AT 18:55:28 ON WEDNESDAY, FEBRUARY 23, 2022

20.06.06 JOB05166 \$HASP373 SHARA02P STARTED - INIT 1 - CLASS A - SYS S2

20.06.06 JOB05166 -

20.06.06 JOB05166 --TIMINGS (MINS.)--

20.06.06 JOB05166 ----PAGING COUNTS----

20.06.06 JOB05166 -JOBNAME STEPNAME PROCSTEP RC EXCP CPU SRB CLOCK SERV PG PAGE SWAP VIO SWAPS STEPNO

20.06.06 JOB05166 -SHARA02P PREPODIR 00 61 .00 .00 .00 213 0 0 0 0 0 1

20.06.07 JOB05166 -SHARA02P PREPARE 00 61 .00 .00 .00 171 0 0 0 0 0 2

20.06.07 JOB05166 -SHARA02P DEFZFS 00 50 .00 .00 .00 326 0 0 0 0 0 3

20.06.11 JOB05166 -SHARA02P MOUNT 00 63 .00 .00 .06 182 0 0 0 0 0 4

20.06.11 JOB05166 -SHARA02P COPYDF 00 81 .00 .00 .00 249 0 0 0 0 0 5

20.06.12 JOB05166 -SHARA02P STRIPBL 00 60 .00 .00 .01 178 0 0 0 0 0 6

20.06.14 JOB05166 -SHARA02P GIMZIP 00 3133 .00 .00 .04 4961 0 0 0 0 0 7

20.06.15 JOB05166 -SHARA02P UNMOUNT 00 66 .00 .00 .01 172 0 0 0 0 0 8

20.06.16 JOB05166 -SHARA02P DELZFS 00 37 .00 .00 .01 286 0 0 0 0 0 9

20.06.16 JOB05166 -SHARA02P ENDED. NAME-NAME

20.06.16 JOB05166 \$HASP395 SHARA02P ENDED - RC=0000

20.06.16 JOB05166 TOTAL CPU TIME= .00 TOTAL ELAPSED TIME= .16

0----- JES2 JOB STATISTICS -----

- 23 FEB 2022 JOB EXECUTION DATE

- 220 CARDS READ

- 772 SYSOUT PRINT RECORDS

- 0 SYSOUT PUNCH RECORDS

- 64 SYSOUT SPOOL KBYTES

- 0.16 MINUTES EXECUTION TIME

Refresh

Finish would be available to click. If your job completed successfully you would find your PSI located in `/u/userid/USERID-PSI-V1R1`.

If you click on the little magnifying glass in the very low right hand corner, and fill in your path name, you can see the package:

Data Set and File Search				
/ u / shara02 / SHARA02-PSI-V1R1				
/u/shara02/SHARA02-PSI-V1R1				
Go				
Results(11) Items per page: 100 1 - 11 of 11				
Name	Mode	Owner/Group	Size	
<input type="checkbox"/> IZUD00DF.json	- rwxrwxr-x	SHARA02/LAB003AA	5417	
<input type="checkbox"/> S0002.MWALLE.PSI.BOX4.AHOOLBIN.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0003.MWALLE.PSI.BOX4.AHOOLMOD.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0004.MWALLE.PSI.BOX4.GLOBAL.CSI.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0005.MWALLE.PSI.BOX4.SHOOLMOD.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0006.MWALLE.PSI.BOX4.SMPLOG.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0007.MWALLE.PSI.BOX4.SMPPTS.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0008.MWALLE.PSI.BOX4.SMPSCDS.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	
<input type="checkbox"/> S0009.MWALLE.PSI.BOX4.WORKFLOW.pax.Z	- rwxrwxr-x	SHARA02/LAB003AA	32256	

We are now ready to send our product to paying customers and have them install it with z/OSMF.

Clean up

After you've done all the poking around that you like, it would be nice of you to delete your Software Instance and your Portable Software Instance to keep unnecessary SI's and PSI's cleaned off the system.

From the Software Management window, go back to Software Instances and click on your own SI, then click **Actions -> Remove**.

From the Software Management window, go back to the Portable Software Instances, select your PSI and click **Actions -> Remove**. (Note: If your job failed *expected* you will not see your PSI)

Thank you for being a good user on our system!