z/OSMF Hands-on Labs: Choose Your Own z/OSMF Software Management Lab

Estimated Lab Time: 30-35 minutes

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Session 16655

#SHAREorg

Agenda

- **Lab Hints and Tips**
- **z/OSMF Software Management Overview**
- **Lab Environment**
- **Lab Exercises**
    1. Logon to z/OSMF and invoke software management
    2. Add a Software Instance
    3. Change the Software Management specific "Settings"
    4. View the "Master" Software Instances
        a. Their Products, Features, and FMIDs
        b. Additional Product Information
        c. Properties
        d. Data sets (filtering by attribute)
        e. Export (or Print) Table Data
    5. Report on the "Master" Software Instances
        a. End of Service
        b. SYSMOD Search
        c. Missing FIXCAT SYSMODs
        d. Missing Critical Fixes
        e. Software Instance Comparison
        f. Software Instance Validation
    6. View Products
    7. Deployments

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Lab Hints and Tips

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

z/OSMF Software Management
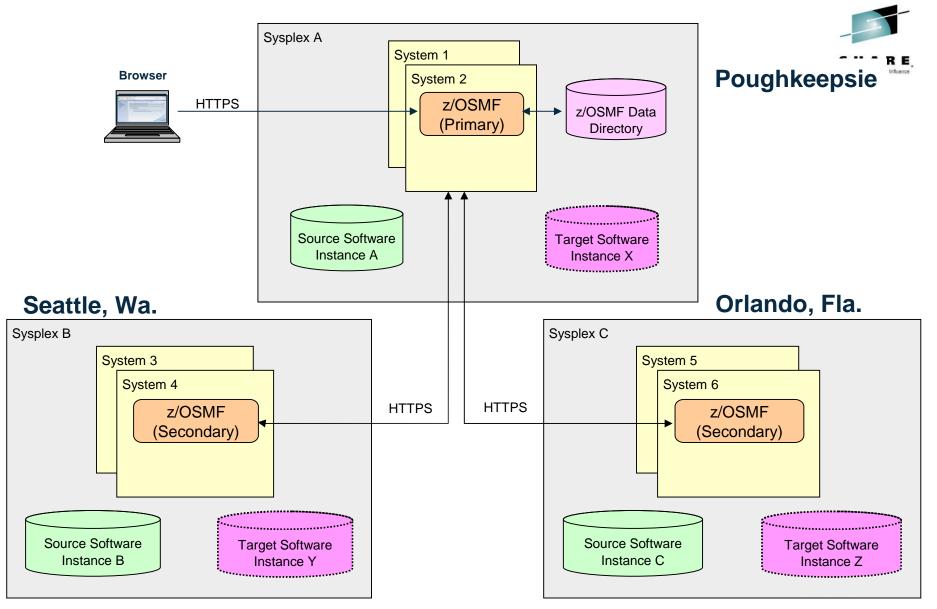
- z/OSMF V1.13 introduced a Software Deployment function
  - Introduced a concept of a software instance
- IBM introduced a Software Management task that extends the Software Deployment task to provide additional actions on software instances.
- This function was integrated and enhanced in z/OSMF V2.1
  - Enhancements were introduced in March 2014 (PTF UI16044) and again in September 2014 (PTF UI91005)
  - **This lab will use a z/OSMF V2.1 system with z/OSMF PTF UI91005 and its requisites installed!**

z/OSMF Software Management …

- In addition to deploying a software instance, the Software Management task will:
  - Allow inspection of a software instance to view the product, feature, and FMID content;
  - View the physical data sets that compose a software instance; and
  - Perform actions to analyze and report on software instances and installed products.
    - Identify software products that are approaching, or have reached, end of service support.
    - Validate the SMP/E structure and content of a software instance is correct.
    - Identify missing HIPER and PE fixes, and fixes associated with one or more fix categories
    - Determine if individual fixes are installed and in which software instances.
    - Compare the service and functional content of two software instances to aid in debugging or migration planning.

Software instances can be viewed or deployed throughout your enterprise

7
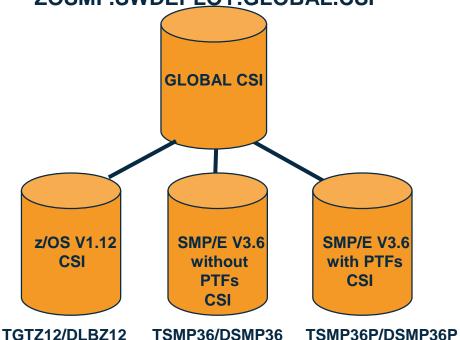
Lab SMP/E Environment

Four (4) "Master" Software Instances
1. MASTER_ZOSV1.12
2. MASTER_SMPEV3.6_WITHOUT_PTFS
3. MASTER_SMPEV3.6_WITH_PTFS
4. MASTER_zOS_R13_w/Other_Products

ZOSMF.SWDEPLOY.GLOBAL.CSI

SMLAB01.GLOBAL.CSI

GLOBAL CSI

GLOBAL CSI

z/OS V1.12
CSI

SMP/E V3.6
without
PTFs
CSI

SMP/E V3.6
with PTFs
CSI

TGTZ12/DLBZ12   TSMP36/DSMP36   TSMP36P/DSMP36P

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

Step 1: Logon to z/OSMF and invoke Software Management
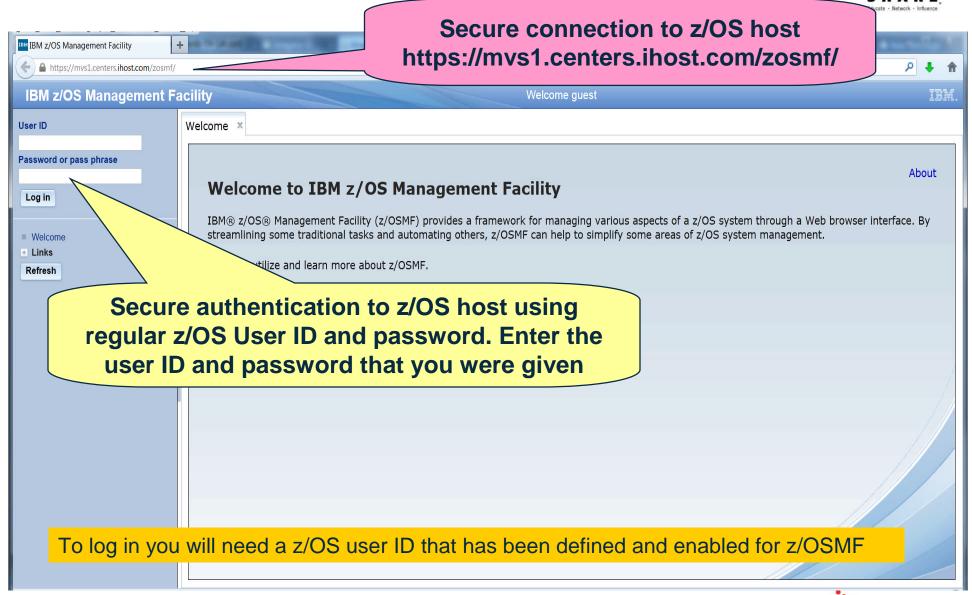
Step 1: Log in to z/OSMF

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

Step1: Log in to z/OSMF …

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

IBM z/OS Management Facility

Welcome guest

User ID

Password or pass phrase

Log in

- Welcome
- Links

Refresh

Welcome to IBM z/OS Management Facility

IBM® z/OS® Management Facility (z/OSMF) provides a framework for managing various aspects of a z/OS system through a Web browser interface. By streamlining some traditional tasks and automating others, z/OSMF can help to simplify some areas of z/OS system management.

utilize and learn more about z/OSMF.

About

Secure authentication to z/OS host using regular z/OS User ID and password. Enter the user ID and password that you were given

To log in you will need a z/OS user ID that has been defined and enabled for z/OSMF

Step1: Invoke Software Management

Expand Software

IBM z/OS Management Facility — Welcome shara20 — Log out — IBM.

- Welcome
- Notifications
- Workflows
- Configuration
- Jobs and Resources
- Links
- Performance
- Problem Determination
- Software
- z/OS Classic Interfaces
- z/OSMF Settings

Refresh

About

Welcome to IBM z/OS Management Facility

IBM® z/OS® Management Facility (z/OSMF) provides a framework for managing various aspects of a z/OS system through a Web browser interface. By streamlining some traditional tasks and automating others, z/OSMF can help to simplify some areas of z/OS system management.

To learn more about z/OSMF, visit the links in the Learn More section.

To start managing your z/OS systems, select a task from the navigation area.

Learn More:

What's New

z/OSMF tasks at a glance

Getting started with z/OSMF

Check browser and operating system

Step 1: Invoke Software Management …

Click on Software Management

IBM z/OS Management Facility — Welcome shara20 — Log out — **IBM**

- Welcome
- Notifications
- Workflows
- ⊞ Configuration
- ⊞ Jobs and Resources
- ⊞ Links
- ⊞ Performance
- ⊞ Problem Determination
- ⊟ Software
  - Software Management
- ⊞ z/OS Classic Interfaces
- ⊞ z/OSMF Settings

Refresh

Welcome ✕

About

...ome to IBM z/OS Management Facility

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Learn More:

What's New

z/OSMF tasks at a glance

Getting started with z/OSMF

You can also click on About or a "Learn More" topic

Check browser and operating system

in Seattle 2015

Step 2: Add a Software Instance

Step 2: Collapse the Navigation Bar

Step 2: View Software Instances

IBM z/OS Management Facility   Welcome shara20

| Welcome ✕ | Software Man... ✕ |

Click on Software Instances

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.
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 see a list of software instances already defined

IBM z/OS Management Facility

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

Source Software Instance for Deployment Lab

	Name	System	Messages	Description				ories
	Filter	Filter	Filter	Filter				
☐	MASTER_SMPEV3.6_WITH_PTF!	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36P	
☐	MASTER_SMPEV3.6_WITHOUT_	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 p... PTFs.				
☐	MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TGTZ12	
☐	DEMO_SMPEV3.6_WITH_PTFS	LOCAL		Completed demo software instance, of SM... PTFs.				
☐	MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the				

Other Software Instance used to check dependencies

"Extra" Software Instance created from a deployment

Total: 5, Selected: 0

Refresh | Last refresh: Apr 3, 2014 10:38:13 AM

Close

Software Instance created for this lab

Complete your session evaluations online at www.SHARE.org/Seattle-Eval

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Step 2: Add a Software Instance

After reading, click Actions, then Add…

IBM z/OS Management Facility   Welcome shara20

Welcome ✕   Software Man… ✕

Software Management ▸ Software Instances

Software Instances

☑ ☐ | Actions ▾

			Description	Activity	Global Zone CSI	Target Zones	Categories
Nan	View	sages	Filter		Filter		
Filte	Modify						
	Open Deployments						
☐ MA	Copy…		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36P	
	Remove…						
	Retrieve Product, Feature, and FMID Information						
☐ MA	Maintenance Reports		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36	
	Add…						
	Show Hidden Maintenance Reports						
☐ MA	☑ Select All		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TGTZ12	
	☐ Deselect All						
	Configure Columns…						
☐ DEI	Modify Filters…	ZUD809I	Completed demo software instance, of SMP/E V3.6 with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36N	
	Hide Filter Row						
	Clear Filters						
	Modify Sort…						
☐ MASTER_ZOS_R13_w/Other_Proc	Clear Sorts	LOCAL	z/OS V1.13 with over 20 other products to be used during the		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

Total: 5, Selected: 0

Refresh   Last refresh: Apr 3, 2014 10:38:13 A

Close

Now, you'll see how to add a software instance

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Step 2: Add a Software Instance …

A wizard will guide you through the steps to define this software instance

IBM z/OS Management Facility   Welcome shara20

Welcome × | Software Man... ×

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

➡ **Welcome**
Name and
Description
Global Zone
Target Zones
Categories
Non-SMP/E Managed
Data Sets
Summary

Welcome

Use this wizard to define a new software instance. A software instance is the SMP/E target and distribution zones that are associated with a product set and the target and those zones.

This wizard guides you through the following steps:

1. Specify the name and description of the software instance.
2. Identify the global zone associated with the product set.
3. Select the target zones that describe the target libraries associated with the product set.
4. Assign the software instance to one or more categories.
5. Identify any non-SMP/E managed data sets associated with the product set.
6. Review the summary and submit your request.

After reviewing, click Next

[< Back] [Next >] [Finish] [Cancel]

Step 2: Add a Software Instance …

IBM z/OS Management Facility

Welcome ✕ Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

- ✓ Welcome
- ⇨ **Name and Description**
- Global Zone
- Target Zones
- Categories
- Non-SMP/E Managed Data Sets
- Summary

Name and Description

Enter the name and description of the software instance.

Name:

```
SHARA20_Dummy_SWI
```

Description: (maximum 256 characters, currently 98 characters)

```
This is a dummy software instance used to
demonstrate how "easy" it is to add a software
instance.
```

< Back   Next >   Finish   Cancel

> **Enter Software Instance Name**
> - **It should begin with your User ID**
> - **Use underscore ("_") instead of blanks**
> - **Optionally enter a description**

> Note: This sample software instance is not used for the rest of the lab deployment. It is defined solely to demonstrate how to use the wizard to define a software instance to z/OSMF.

> **After entering, click Next**

Step 2: Add a Software Instance …

Now, you see a list of SMP/E GLOBAL zone CSI data sets defined to z/OSMF Software Management. You will use Actions to add a new CSI data set.

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Soft...

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ➡ **Global Zone**
- Target Zones
- Categories
- Non-SMP/E Managed Data Sets
- Summary

Global Zone

Select the global zone CSI associated with the product set.

Global Zones

Actions ▼

CSI Data Set	System	Description	Activity	Last Modified (Local)	Modified By	Locked (L
Filter	Filter	Filter	Filter	Filter	Filter	Filter
○ ZOSMF.SWDEPLOY.GLOBAL.CSI	LOCAL	Master GLOBAL CSI for Software Deployment Lab		Jan 5, 2012 10:32:12 AM	MFUSR01	
○ SMLAB01.GLOBAL.CSI	LOCAL	Global zone data set fro the z/OSMF Software Management Lab		Jan 2, 2013 10:34:49 AM	MFUSR01	

Total: 2, Selected: 0

Refresh Last refresh: Apr 3, 2014 10:56:53 AM local time (Apr 3, 2014 2:56:53 PM GMT)

< Back | Next > | Finish | Cancel

Step 2: Add a Software Instance …

Click Actions, then Add…

IBM z/OS Management Facility   Welcome shara20

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

✓ Welcome	**Global Zone**
✓ Name and Description	Select the global zone CSI associated w... ...t set.
➡ **Global Zone**	
Target Zones	
Categories	Global Zones
Non-SMP/E Managed Data Sets	Actions ▼
Summary	

Actions menu		System Filter	Description Filter	Activity Filter	Last Modified (Local) Filter	Modified By Filter	Locked (Lc Filter
Modify							
View	GLOBAL.CSI	LOCAL	Master GLOBAL CSI for Software Deployment Lab		Jan 5, 2012 10:32:12 AM	MFUSR01	
Copy…							
Remove…	SI	LOCAL	Global zone data set fro the z/OSMF Software Management Lab		Jan 2, 2013 10:34:49 AM	MFUSR01	
Add…							
Configure Columns…							
Modify Filters…							
Hide Filter Row							
Clear Filters							
Modify Sort…							
Clear Sorts							

Total: 2, Selected: 0

Refresh Last refresh: Apr 3, 2014 10:56:53 AM local time (Apr 3, 2014 2:56:53 PM GMT)

< Back | Next > | Finish | Cancel

Step 2: Add a Software Instance …

Step 2: Add a Software Instance …

See that the Global zone CSI on the local system was added to the table and is selected

IBM z/OS Management Facility

Welcome ✕ | Software Man... ✕

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ➡ **Global Zone**
- Target Zones
- Categories
- Non-SMP/E Managed Data Sets
- Summary

Global Zone

Select the global zone CSI associated with the pro

Global Zones

Actions ▼

CSI Data Set Filter	System Filter	Description Filter	Activity Filter	Last Modified (Local) Filter	Modified By Filter	Locked (L... Filter
○ ZOSMF.SWDEPLOY.GLOBAL.CSI	LOCAL	Master GLOBAL CSI for Software Deployment Lab		Jan 5, 2012 10:32:12 AM	MFUSR01	
◉ SHARA20.SMPELAB.GLOBAL.CSI	LOCAL	An existing Global zone CSI data set with target and DLIB zones defined that was created for this lab.		Apr 3, 2014 11:06:08 AM	SHARA20	
○ SMLAB01.GLOBAL.CSI	LOCAL	Global zone data set fro the z/OSMF Software Management Lab		Jan 2, 2013 10:34:49 AM	MFUSR01	

Total: 3, Selected: 1

Refresh | Last refresh: Apr 3, 2014 11:06:09 AM local time (Apr 3, 2014 3:06:09 PM GMT)

< Back | Next > | Finish | Cancel

Then click Next

in Seattle 2015

Step 2: Add a Software Instance …
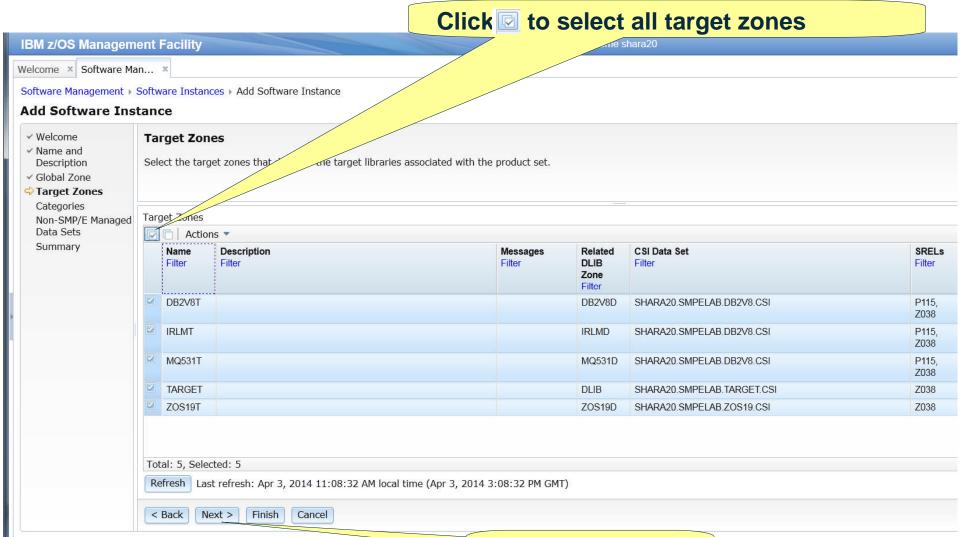
Software Management went out the the GLOBAL zone CSI data sets and identified possible target zones to be used in this software instance. You will have to select one or more target zones before continuing (next slide)

Welcome ✕ | Softwa...

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ✓ Global Zone
- ⇨ **Target Zones**
- Categories
- Non-SMP/E Managed Data Sets
- Summary

Target Zones

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

Target Zones

☑ ☐ | Actions ▾

	Name Filter	Description Filter	Messages Filter	Related DLIB Zone Filter	CSI Data Set Filter	SRE Filte
☐	DB2V8T			DB2V8D	SHARA20.SMPELAB.DB2V8.CSI	P11: Z03
☐	IRLMT			IRLMD	SHARA20.SMPELAB.DB2V8.CSI	P11: Z03
☐	MQ531T			MQ531D	SHARA20.SMPELAB.DB2V8.CSI	P11: Z03
☐	TARGET			DLIB	SHARA20.SMPELAB.TARGET.CSI	Z03
☐	ZOS19T			ZOS19D	SHARA20.SMPELAB.ZOS19.CSI	Z03

Total: 5, Selected: 0

[Refresh] Last refresh: Apr 3, 2014 11:08:32 AM local time (Apr 3, 2014 3:08:32 PM GMT)

[< Back] [Next >] [Finish] [Cancel]

Step 2: Add a Software Instance …

Click ☑ to select all target zones

IBM z/OS Management Facility

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

✓ Welcome
✓ Name and Description
✓ Global Zone
➡ **Target Zones**
   Categories
   Non-SMP/E Managed Data Sets
   Summary

Target Zones

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

Target Zones

☑ ☐ | Actions ▾

	Name Filter	Description Filter	Messages Filter	Related DLIB Zone Filter	CSI Data Set Filter	SRELs Filter
☑	DB2V8T			DB2V8D	SHARA20.SMPELAB.DB2V8.CSI	P115, Z038
☑	IRLMT			IRLMD	SHARA20.SMPELAB.DB2V8.CSI	P115, Z038
☑	MQ531T			MQ531D	SHARA20.SMPELAB.DB2V8.CSI	P115, Z038
☑	TARGET			DLIB	SHARA20.SMPELAB.TARGET.CSI	Z038
☑	ZOS19T			ZOS19D	SHARA20.SMPELAB.ZOS19.CSI	Z038

Total: 5, Selected: 5

Refresh Last refresh: Apr 3, 2014 11:08:32 AM local time (Apr 3, 2014 3:08:32 PM GMT)

< Back | Next > | Finish | Cancel

Then click Next

in Seattle 2015

Step 2: Add a Software Instance …

Software Management allows you to associate the software instance with a "Category" as a means of grouping software instance. In this lab you will NOT be using Categories.

Welcome × Software Man... ×

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ✓ Global Zone
- ✓ Target Zones
- ➡ **Categories**
- Non-SMP/E Managed Data Sets
- 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 li... geographic location. Select one or more categories to assign to the software instance.

Categories

☑ ☐ | Actions ▾

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

There is no data to display.

Total: 0, Selected: 0

Refresh   Last refresh: Apr 3, 2014 11:21:14 AM local time (Apr 3, 2014 3:21:14 PM GMT)

< Back Next > Finish Cancel

So just click Next

Step 2: Add a Software Instance ...

Software Management allows you to associate one or more non-SMP/E managed data sets with the software instance. You will now associate a non-SMP/E managed data set with your software instance.

IBM z/OS Management Facility   Welcome shara20

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ✓ Global Zone
- ✓ Target Zones
- ✓ Categories
- ➾ **Non-SMP/E Managed Data Sets**
- 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 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 soft

Data Sets

☑ ▢ | Actions ▾

	Nar		▲ Volume
	Filt		Filter

Actions menu:
- Modify
- Remove...
- **Add...**
- ☑ Select All
- ▢ Deselect All
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts

There is no data to display.

Click Actions, then Add...

Total: 0, Selected: 0

[< Back] [Next >] [Finish] [Cancel]

Simplified Addition of non-SMP/E Managed Data Sets

- z/OSMF V1.13 and z/OSMF V2.1 initially required the user to add non-SMP/E Data Sets *one data set at a time.*

- z/OSMF V2.1 with PTFs UI16044 and UI16028 installed allows the user to use "ISPF Data Set List (3.4)-like" capabilities to *add multiple data sets at one time*
  - Accept qualifiers and wildcarding for data set name
  - Accept volume with or without a data set name qualifier
  - Allow up to 10,000 data sets to be returned for selection

- The system used for the lab <u>has</u> these PTFs installed so you get to use the new function.

Step 2: Add a Software Instance …

Enter SHARxnn.SPF*

Do NOT enter a volume

Then click Search

Step 2: Add a Software Instance …

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

Step 2: Add a Software Instance …

Software Management went out to the software instances' system (LOCAL) and discovered the following data sets. Depending on which lab user id you are using a different number of data sets will be presented.

IBM z/OS Management Facility

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Instance ▸ Add Data Set

Add Data Set

To identify the data sets to be added to the software instance, specify a data set name qualifier, volume, or both, and click Search. Then, select the data sets you want to add. For valid data set nan

Data set name qualifier:

SHARA20.SPF*

Volume:

Select or type ▾

⬧Maximum data sets:

750

[Search]

Select Data Sets to Add

☑ ▢ | Actions ▾

Data Set Name Filter	Volume Filter	
☐ SHARA20.SPF1.LIST	SHTSO4	
☐ SHARA20.SPFTEMP3.LIST	SHTSO3	
☐ SHARA20.SPFLOG1.LIST	SHTSO3	
☐ SHARA20.SPF.ISPPROF	SHTSO7	

Total: 4, Selected: 0

[OK] [Cancel]

Step 2: Add a Software Instance …

Click ☑ to select all data sets

IBM z/OS Management Facility   Welcome shara20

Welcome ✕	Software Man... ✕

Software Management ▸ Software Instances ▸ Add ~~~~ce ▸ Add Data Set

Add Data Set

To identify the data sets to be a~~~~he software instance, specify a data set name qualifier, volume, or both, and click Search. Then, select the data sets you want to add. For valid data set nam

Data set name qualifier: Volume: ✦Maximum data sets:

SHARA20.SPF*   Select or type ▼   750 ⇕   Search

Select Data Sets to Add

☑ ▢ | Actions ▼

Data Set Name	Volume	
Filter	Filter	
☑ SHARA20.SPF1.LIST	SHTSO4	
☑ SHARA20.SPFTEMP3.LIST	SHTSO3	
☑ SHARA20.SPFLOG1.LIST	SHTSO3	
☑ SHARA20.SPF.ISPPROF	SHTSO7	

Total: 4, Selected: 4

OK   Cancel

Then click OK

Step 2: Add a Software Instance …

You'll now see the data sets that you selected are in the list of non-SMP/E managed data sets

IBM z/OS Management Facility   Welcome shara20

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Instance

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ✓ Global Zone
- ✓ Target Zones
- ✓ Categories
- ⇨ **Non-SMP/E Managed Data Sets**
- 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 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 softw

Data Sets

☑ ☐ | Actions ▼

Name		Volume
Filter	▲	Filter
☐ SHARA20.SPF.ISPPROF		
☐ SHARA20.SPF1.LIST		
☐ SHARA20.SPFLOG1.LIST		
☐ SHARA20.SPFTEMP3.LIST		

After reviewing, click Next

Total: 4, Selected: 0

[< Back] [Next >] [Finish] [Cancel]

Step 2: Add a Software Instance …

The last step of adding a software instance is reviewing the summary. It shows all the data that you entered. If you wanted to change anything you could use the back button on the bottom of the page.

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Add Software Ins...

Add Software Instance

- ✓ Welcome
- ✓ Name and Description
- ✓ Global Zone
- ✓ Target Zones
- ✓ Categories
- ✓ Non-SMP/E Managed Data Sets
- ⇨ **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:
SHARA20_Dummy_SWI

Description:
This is a dummy software instance used to demonstrate how "easy" it is to add a software instance.

Global Zone CSI Data Set:
SHARA20.SMPELAB.GLOBAL.CSI on system LOCAL

Target Zones:
DB2V8T
IRLMT
MQ531T
TARGET
ZOS19T

Categories:
There is no data to display.

Non-SMP/E Managed Data Sets

[< Back] [Next >] [Finish] [Cancel]

After reviewing the summary, click Finish

Step 2: Add a Software Instance …

Pop-up window to alert you that product and feature information for this instance is being retrieved and this might take a few minutes, and allowing you to cancel

Step 2: Add a Software Instance …

See the message that product, feature and FMID information was retrieved and the software instance was added to the table.

Log out   IBM.

| Welcome ✕ | Software Man… ✕ |

Software Management ▸ Software Instances   Help

Software Instances

▾ Messages ⊗ 0 ⚠ 0 ℹ 1   Close All

ℹ **IZUD164I**: The product, feature, and FMID information for software instance "SHARA20_Dummy_SWI" on system "LOCAL" was retrieved.   Apr 3, 2014 11:43:33 AM X

Switch To: ▾

- **You can click on the message ID for more details**
- **You can click on "Close All" to remove the messages**

	Actions ▾						ct, Feature, and FMID ation Retrieved	Last Mo
	Name Filter							Filter
								Filter
☐	MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.	ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	Aug 12, 2013 3:56:18 PM	Jun 2
☐	DEMO_SMPEV3.6_WITH_PTFS	LOCAL	ℹ IZUD809I	Completed demo software instance, of SMP/E V3.6 with PTFs.	ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36N		Jul 1
☑	SHARA20_Dummy_SWI	LOCAL		This is a dummy software instance used to demonstrate how "easy" it is to add a software instance.	SHARA20.SMPELAB.GLOBAL.CSI	DB2V8T, IRLMT, MQ531T, TARGET, ZOS19T	Apr 3, 2014 11:43:24 AM	Apr 3
☐	MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab	SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	Oct 23, 2013 4:41:01 PM	Jan 9

Total: 6, Selected: 1

Refresh Last refresh: Apr 3, 2014 11:43:33 AM

Close

Click Close

Step 3: Change the Software Management Settings

Step 3: Change the Software Management Settings

Before you change the Settings, you will attempt to view Products, Features, and FMIDs for all the "Master" software instances. You will need to change the settings to see all the data.

Click on Software Instances

IBM z/OS Management Facility   Welcome shara01

| Welcome ✕ | Software Man... ✕ |

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.
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.

The Software Management task, previously named the Deployment task, contains the software deployment functions along with additional software management functions. The Software Management task helps you streamline the software management process by providing a centralized location that you can use to manage your z/OS software.

Step 3 …

You will see a list of software instances already defined. Note that there may be additional software instances in the table.

IBM z/OS Management Facility

Welcome ×	Software Man... ×

Software Management ▸ Software Instances

Software Instances

☑ ☐ Actions ▼

Name Filter	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories	Product, Feature, and FMID Information Retrieved (Local) Filter
MASTER_SMPEV3.6_WITH_PTF!	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36P		Mar 13, 2014 5:21:59 P
MASTER_SMPEV3.6_WITHOUT_	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36		Aug 10, 2013 7:28:52 P
MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TGTZ12		Aug 12, 2013 3:56:18 P
DEMO_SMPEV3.6_WITH_PTFS	LOCAL	ℹ IZUD809I	Completed demo software instance, of SMP/E V3.6 with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.C SI	TSMP36N		
SHARA20_Dummy_SWI	LOCAL		This is a dummy software instance used to demonstrate how "easy" it is to add a software instance.		SHARA20.SMPELAB.GLOBAL.C SI	DB2V8T, IRLMT, MQ531T, ZOS19T		Apr 3, 2014 11:45:58 AI
MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T		Oct 23, 2013 4:41:01 PI

Total: 6, Selected: 0

Refresh Last refresh: Apr 3, 2014 11:46:08 AM

Close

For this lab, you will focus on the Software Instances whose names begin with "MASTER"

IBM z/OS Management

| Welcome ✕ | Software Man... ✕ |

Software Management ▸ Software Instances

Software Instances

Click on Filter under Name

☑ ▢ | Actions ▾

Name Filter	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
☐ MASTER_SMPEV3.6_WITH_PTFS	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
☐ MASTER_SMPEV3.6_WITHOUT_	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
☐ MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
☐ DEMO_SMPEV3.6_WITH_PTFS	LOCAL	ℹ IZUD809I	Completed demo software instance, of SMP/E V3.6 with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36N	
☐ MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

◄   III   ►

Total: 5, Selected: 0

Refresh | Last refresh: Jan 28, 2014 2:26:15 PM

Close

Step 3 …

All the software instances are now selected

Step 38

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

Click Actions, then View, then Products, Features, and FMIDs

☑ ☐	Actions ▾	Match: All filters			Activity	Global Zone CSI Filter	Target Zones	Categories
	View ▸		Properties					
	Modify		Products, Features, and FMIDs					
	Open Deployments		Data Sets					
☑ MA	Copy...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
	Remove...							
	Retrieve Product, Feature, and FMID Information							
	Maintenance Reports ▸							
☑ MA	Add...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
	Show Hidden Maintenance Reports							
	☑ Select All							
	☐ Deselect All							
☑ MA	Configure Columns...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
	Modify Filters...							
	Hide Filter Row							
	Clear Filters							
☑ MA	Modify Sort...			z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	
	Clear Sorts							

Total: 4, Filtered: 4, Selected: 4

Refresh   Last refresh: Jan 28, 2014 2:34:36 PM

Close

Message IZUD230W is generated stating that the display will exceed 750 rows. You will change the Settings to allow more rows to be displayed.

2. After reviewing the message, click Software Management 'bread crumb'

1. Optionally, you can click on the message to get more details

Step 3 …

Click on Settings

IBM z/OS Management Facility   Welcome shara01

Welcome ×   Software Man... ×

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

Step 3 …

IBM z/OS Management Facility   Welcome shara01

Welcome ×   Software Man... ×

Software Management ▸ Settings

Settings

Select the time zone to use for date and time data:
- ○ Greenwich Mean Time (GMT)
- ◉ Local (Eastern Standard Time)

Display information messages that notify you that an object was added, modified, or removed:
- ○ Yes
- ◉ No

* Maximum number of rows to display in tables with data about software instances:

9999

[OK] [Cancel]

Change the maximum number of rows to display to 9999, and the click OK

Step 4a: View the "Master" Software Instances' Products, Features, and FMIDs

SHARE
Educate · Network · Influence

IBM z/OS Management Facility

Welcome ✕ Software Man... ✕
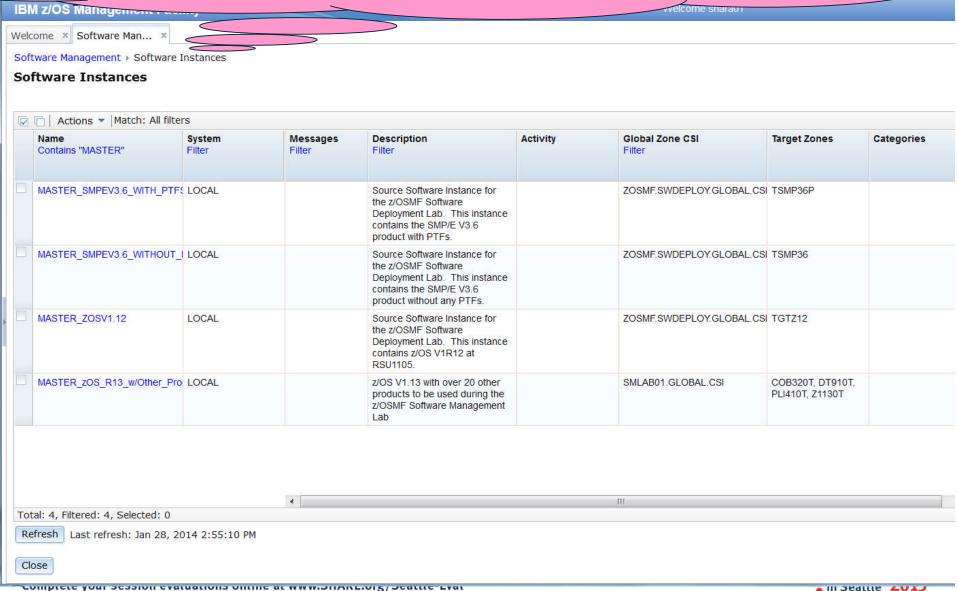
Click on Software Instances (again)

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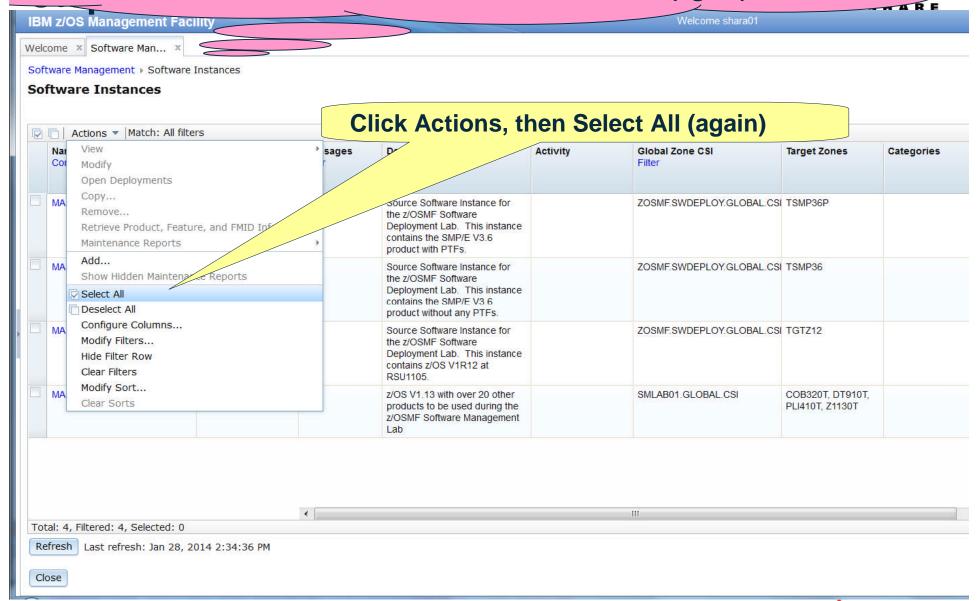
Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODs. Learn more...

Software Instances	Define your software to z/OSMF; deploy software; generate reports about your software.
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.

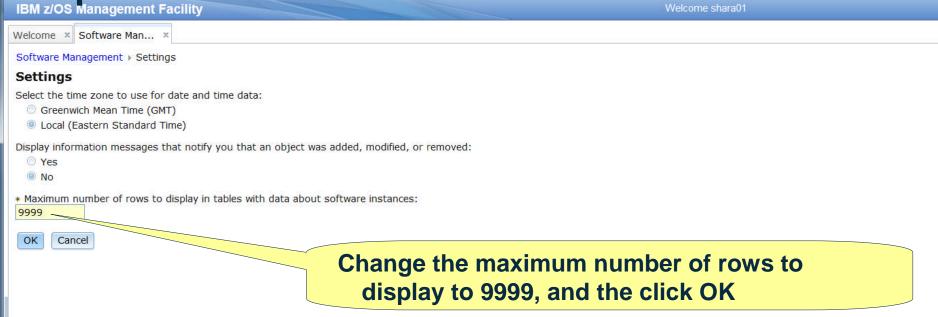**Notice that the Name Filter is still set and that ONLY Software Instances that contain "Master" are displayed.**

IBM z/OS Management Facility

Welcome snara01

| Welcome ✕ | Software Man... ✕ |

Software Management ▸ Software Instances

Software Instances

☑ ▢ | Actions ▾ | Match: All filters

Name Contains "MASTER"	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
▢ MASTER_SMPEV3.6_WITH_PTF{	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
▢ MASTER_SMPEV3.6_WITHOUT_I	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
▢ MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
▢ MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

◀ ┃┃┃

Total: 4, Filtered: 4, Selected: 0

[Refresh] Last refresh: Jan 28, 2014 2:55:10 PM

[Close]

Complete your session evaluations online at www.SHARE.org/Seattle-Eval

in Seattle 2015

You are going to display Products, Features, and FMIDs for all Software Instances that contain "Master" (again).

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

Click Actions, then Select All (again)

☑ ☐ | Actions ▾ | Match: All filters

		▸ sages	D...	Activity	Global Zone CSI Filter	Target Zones	Categories
View			r				
Modify							
Open Deployments							
☐ MA Copy...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
Remove...							
Retrieve Product, Feature, and FMID Inf							
Maintenance Reports		▸					
☐ MA Add...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
Show Hidden Maintenance Reports							
☑ Select All							
☐ Deselect All							
☐ MA Configure Columns...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
Modify Filters...							
Hide Filter Row							
Clear Filters							
☐ MA Modify Sort...			z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	
Clear Sorts							

Total: 4, Filtered: 4, Selected: 0

Refresh | Last refresh: Jan 28, 2014 2:34:36 PM

Close

Step 4a …

IBM z/OS Management Facility

Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

Actions ▾ | Match: All filters

	View ▸		Properties		Activity	Global Zone CSI	Target Zones	Categories
Nai	Modify		Products, Features, and FMIDs			Filter		
Cor	Open Deployments		Data Sets					
	Copy...							
☑ MA	Remove			Source Software Instance for		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	

> **Click Actions, then View, then Products, Features, and FMIDs (again)**

The View Products, Features, and FMIDs Action will produce similar information to the SMP/E Planning Migration Assistant Products Applied report, or SMP/E List commands. However, this action:

- Will display additional information, not available through batch SMP/E
- Can be performed against multiple software instances at the same time
- Can be performed against software instances throughout your enterprise
- Will enable you to:
    - Sort and filter the results to hone in on what you are looking for
    - Click on a link to find additional information on the product
    - Perform "drill down" actions on selected objects

You can use this information to identify which products need to be ordered for a future upgrade, to determine if you have the prerequisites installed for a specific function, and to provide evidence of what is installed to an auditor, procurement team, or operations staff.

52

This time all the software instances can be viewed.
No more message IZUD230W.

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ View Products, Features, and FMIDs

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Product / Feature / FMID Filter	System Filter	Messages Filter	Product, Feature, and FMID Information Retrieved (Local) Filter	Release Filter	Product ID Filter	Vendor Filter	General Av... Filter
☐ ⊞ MASTER_SMPEV3.6_WITH_PTFS	LOCAL		Oct 23, 2013 4:52:04 PM				
☐ ⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL		Aug 10, 2013 7:28:52 PM				
☐ ⊞ MASTER_ZOSV1.12	LOCAL		Aug 12, 2013 3:56:18 PM				
☐ ⊞ MASTER_zOS_R13_w/Other_Product	LOCAL		Oct 23, 2013 4:41:01 PM				

◀ ▬▬▬ ▶

Total: 1784, Selected: 0

[Refresh] Last refresh: Jan 28, 2014 3:00:33 PM

[Close]

Step 4a …

The products, features and FMIDs are listed in a tree table

You can scroll right

The General Availability date, End of Service dates, and Additional Product Information are not available in batch SMP/E reports

Welcome ✕ | Software Man... ✕

Software Management › Software Instances › View Products, Features,

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

☑ ☐ | Actions ▼ | Table view: Tree

Software Instance / Product / Feature / FMID Filter	System Filter	General Availability Filter	End of Service Filter	Additional Product Information Filter	Product Info File Version Filter
⊟ MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
⊟ System Modification Program Extended for z/OS		Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
⊟ SMP/E V3 Base					
▪ HBCNC00					
▪ HBCND0B					
▪ HMP1J00					
⊟ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
⊟ System Modification Program Extended for z/OS		Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
⊟ SMP/E V3 Base					
▪ HBCNC00					
▪ HBCND0B					
▪ HMP1J00					
⊟ MASTER_ZOSV1.12	LOCAL				

Total: 1784, Selected: 0

Refresh | Last refresh: Jan 28, 2014 3:00:33 PM

Note: Additional columns are displayed but not shown in the handout. If they don't appear, then optionally you can scroll right again.

56
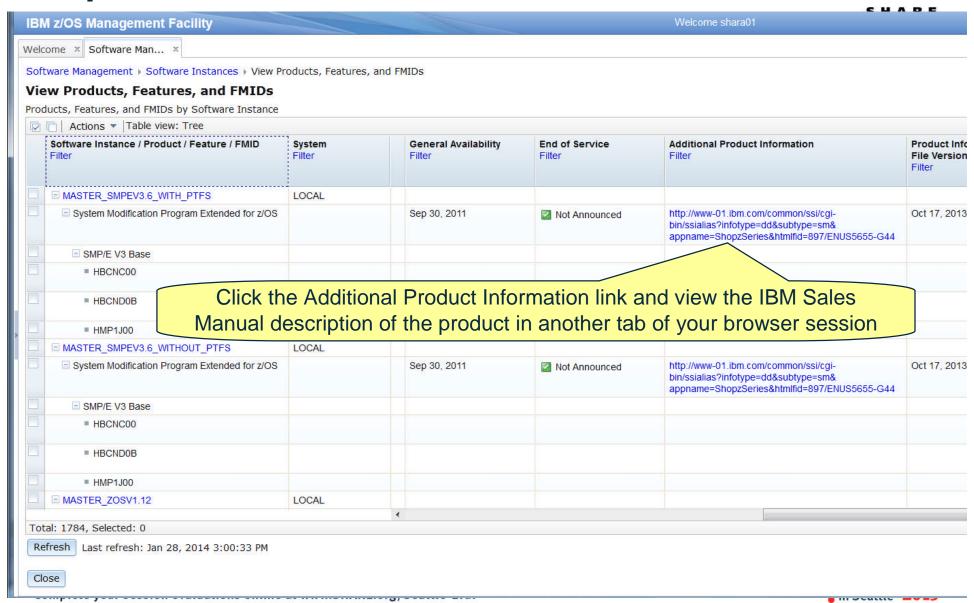
Step 4b: View the "Master" Software Instances' Additional Product Information

Step 4b

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ View Products, Features, and FMIDs

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Product / Feature / FMID Filter	System Filter	General Availability Filter	End of Service Filter	Additional Product Information Filter	Product Info File Version Filter
☐ ⊟ MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
☐ ⊟ System Modification Program Extended for z/OS		Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
☐ ⊟ SMP/E V3 Base					
☐ ▪ HBCNC00					
☐ ▪ HBCND0B					
☐ ▪ HMP1J00					
☐ ⊟ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
☐ ⊟ System Modification Program Extended for z/OS		Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
☐ ⊟ SMP/E V3 Base					
☐ ▪ HBCNC00					
☐ ▪ HBCND0B					
☐ ▪ HMP1J00					
☐ ⊟ MASTER_ZOSV1.12	LOCAL				

Click the Additional Product Information link and view the IBM Sales Manual description of the product in another tab of your browser session

Total: 1784, Selected: 0

[Refresh] Last refresh: Jan 28, 2014 3:00:33 PM

[Close]

Step 4b …

5655-G44 IBM System Modification Program Extended (SMP/E) for z/OS V3.6

IBM United States Sales Manual
Revised: August 06, 2013.

- Product Life Cycle Dates
- Program Number
- Abstract
- Product Positioning
- Highlights

- Description
- Technical Description
- Operating Environment
- Planning Information
- Security, Auditability, and Control

Product Life Cycle Dates

Program Number	VRM	Announced	Available	Marketing Withdrawn	Service Discontinued
5655-G44	03.06.00	2011/07/12	2011/09/30	-	-
5655-G44	03.05.00	2008/08/05	2008/09/26	-	2014/09/30
5655-G44	03.04.00	2005/07/26	2005/09/30	2008/09/26	2010/09/30
5655-G44	03.03.00	2004/08/10	2004/09/24	2005/09/30	2007/09/30
5655-G44	03.02.00	2003/05/13	2003/05/30	2004/09/24	2007/09/30
5655-G44	03.01.00	2001/09/11	2001/10/26	2003/05/30	2007/03/31

↑ Back to top
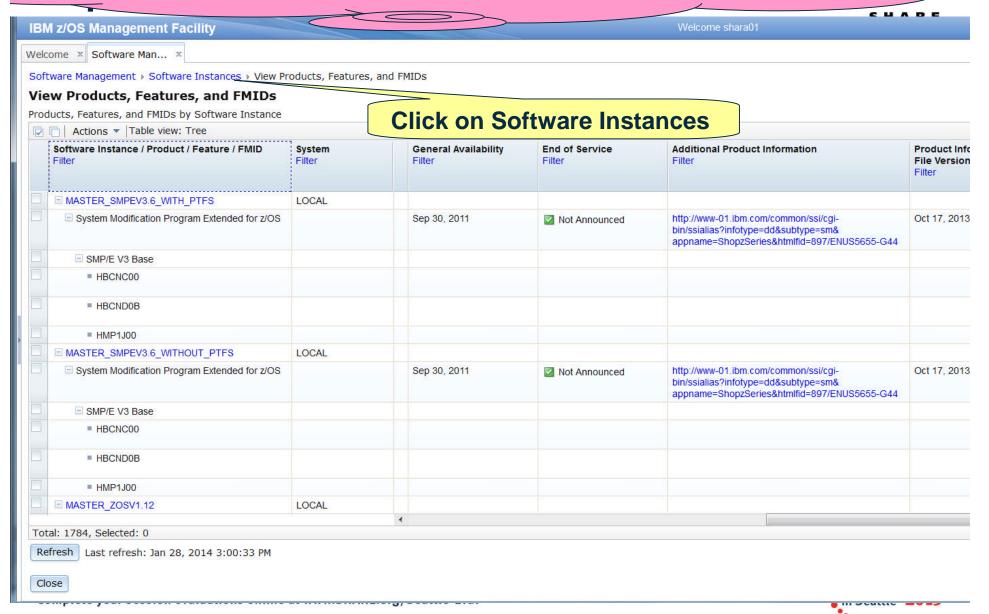
Program Number

Step 4c: View the "Master" Software Instances' Properties

You are going to perform actions against a single Software Instance, so click on the "breadcrumbs"

S H A R E

IBM z/OS Management Facility   Welcome shara01

Welcome ×   Software Man... ×

Software Management ▸ Software Instances ▸ View Products, Features, and FMIDs

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

Click on Software Instances

☑ ☐ | Actions ▾ | Table view: Tree

	Software Instance / Product / Feature / FMID Filter	System Filter	General Availability Filter	End of Service Filter	Additional Product Information Filter	Product Info File Version Filter
☐	⊟ MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
☐	⊟ System Modification Program Extended for z/OS		Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
☐	⊟ SMP/E V3 Base					
☐	▪ HBCNC00					
☐	▪ HBCND0B					
☐	▪ HMP1J00					
☐	⊟ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
☐	⊟ System Modification Program Extended for z/OS		Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
☐	⊟ SMP/E V3 Base					
☐	▪ HBCNC00					
☐	▪ HBCND0B					
☐	▪ HMP1J00					
☐	⊟ MASTER_ZOSV1.12	LOCAL				

Total: 1784, Selected: 0

[Refresh] Last refresh: Jan 28, 2014 3:00:33 PM

[Close]

Now select the "Master" software instance created for this lab.

Step 4c ...

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

☑ ☐ | Actions ▾ | Match: All filters

Name Contains "MASTER"	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
☐ MASTER_SMPEV3.6_WITH_PTFS	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
☐ MASTER_SMPEV3.6_WITHOUT_	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
☐ MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
☐ MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

1. **Deselect all software instances**
2. **Select the MASTER_zOS_R13_w/Other_Product software instance**

Total: 4, Filtered: 4, Selected: 0

Refresh | Last refresh: Jan 28, 2014 2:55:10 PM

Close

First you will view the properties.

Step 4c …

Click Actions, then View, then Properties

Multiple tabs are a available to view details of this specific software instance. You can see the description, what SMP/E zones are defined, as well as any non-SMP/E managed data sets

IBM z/OS

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ ... Instance

View MASTER_zOS_R13_w/Other_Product

General | SMP/E Zones | Non-SMP/E Managed Data Sets

Name:

MASTER_zOS_R13_w/Other_Product

Description: (maximum 256 characters, currently 91 characters)

z/OS V1.13 with over 20 other products
to be used during the z/OSMF Software
Management Lab

Categories:

There is no data to display.

Action Summary

Action	Date and Time (Local)	User
Modified	Jan 9, 2013 5:39:53 PM	GDAYNES
Created	Jan 7, 2013 1:51:35 PM	GDAYNES
Locked		

After reviewing the General information, click the SMP/E zones tab.

Close

The SMP/E Zones tab shows a list of GLOBAL zone CSI data sets and which is used for this software instance, as well as what SMP/E target zones are defined.

IBM z/OS Management ...

Welcome serial01

Welcome × | Software Man... ×

Software Management ▸ Software Instances ▸ View Software Instance

View MASTER_zOS_R13_w/Other_Product

| General | SMP/E Zones | Non-SMP/E Managed Data Sets |

Optionally click the Non-SMP/E Managed Data Sets tab.

Global Zones

	CSI Data Set	System	Description	Activity	Last Modified (Local)	Modified By	Locked (Local)	Locked
○	ZOSMF.SWDEPLOY.GLOBAL.CSI	LOCAL	Master GLOBAL CSI for Software Deployment Lab		Jan 5, 2012 10:32:12 AM	MFUSR01		
◎	SMLAB01.GLOBAL.CSI	LOCAL	Global zone data set fro the z/OSMF Software Management Lab		Jan 2, 2013 10:34:49 AM	MFUSR01		

Total: 2, Selected: 1

Target Zones:
```
COB320T
DT910T
PLI410T
Z1130T
```

Close

After reviewing the SMP/E zone information and optionally the non-SMP/E Managed data sets information, click Close

65

You are brought back to the list of "Master" software instances, with the MASTER_zOS_R13_w/Other_Product still selected

IBM z/OS Management Facility

Welcome sharau1

| Welcome × | Software Man... × |

Software Management ▸ Software Instances
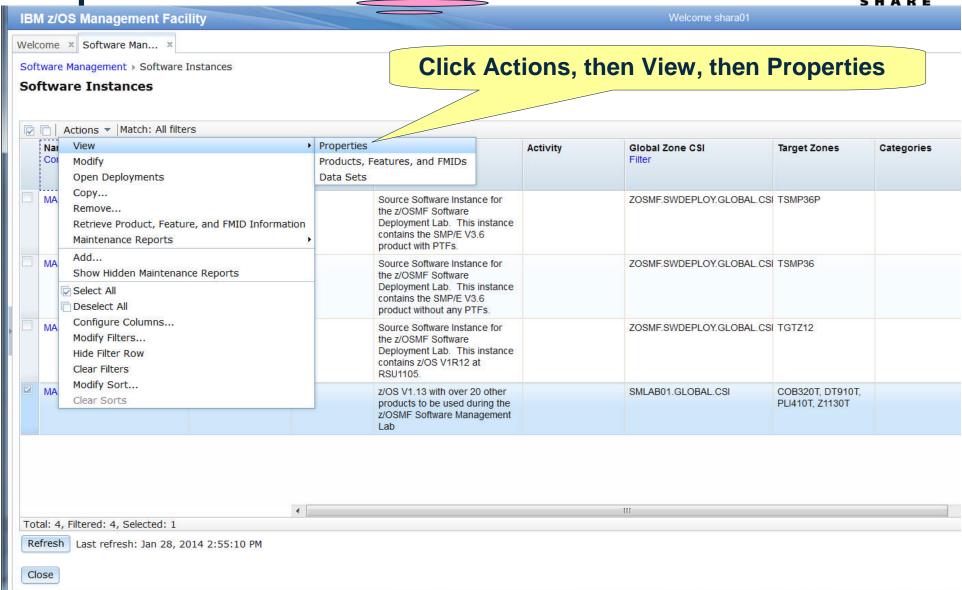
Software Instances

☑ ▢ | Actions ▾ | Match: All filters

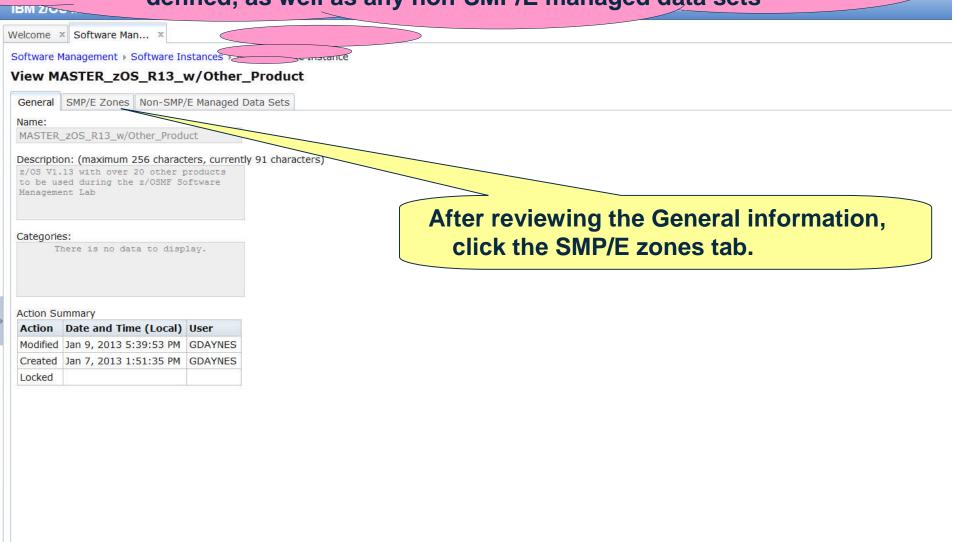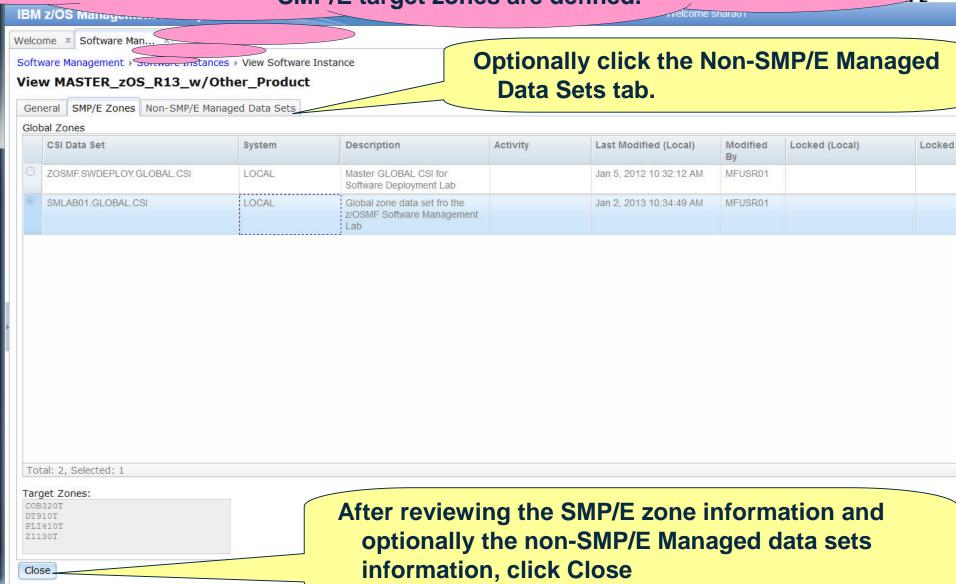| Name Contains "MASTER"	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
☐ MASTER_SMPEV3.6_WITH_PTFS	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
☐ MASTER_SMPEV3.6_WITHOUT_I	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
☐ MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
☑ MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

◄ ▐▐▐

Total: 4, Filtered: 4, Selected: 1

Refresh   Last refresh: Jan 29, 2014 10:58:25 AM

Close

Step 4d: View the "Master" Software Instances' Data Sets

Now you will view Products, Features, and FMIDs just for this instance so that you can see how to drill down deeper in the tables

Click Actions, then View, then Products, Features, and FMIDs

IBM z/OS Management Facility

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

☑ ☐ | Actions ▾ | Match: All filters

View	▸	Properties
Modify		Products, Features, and FMIDs
Open Deployments		Data Sets
Copy...		
Remove...		
Retrieve Product, Feature, and FMID Information		
Maintenance Reports	▸	
Add...		
Show Hidden Maintenance Reports		
☑ Select All		
☐ Deselect All		
Configure Columns...		
Modify Filters...		
Hide Filter Row		
Clear Filters		
Modify Sort...		
Clear Sorts		

Nar		Activity	Global Zone CSI Filter	Target Zones	Categories
Co					
MA	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
MA	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
MA	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
MA	z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

Total: 4, Filtered: 4, Selected: 1

Refresh | Last refresh: Jan 29, 2014 6:46:55 PM

Close

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Step 4d …

IBM z/OS Management Facility Welcome shara01

Welcome ✕ Software Man... ✕

Software Management ▸ Software Instances ▸ View Products, Features, and FMIDs

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

☑ ▭ | Actions ▾ | Table view: Tree

	Software Instance / Product / Feature / FMID Filter	System Filter	Messages Filter	Product, Feature, and FMID Information Retrieved (Local) Filter	Release Filter	Product ID Filter	Vendor Filter	General Av Filter
☐	⊞ MASTER_zOS_R13_w/Other_Product	LOCAL		Oct 23, 2013 4:41:01 PM				

Optionally, you can click to expand the display and see the Product, Feature and FMID information for this software instance (or click Actions, then Expand All)

Total: 286, Selected: 0

Refresh Last refresh: Jan 28, 2014 4:43:24 PM

Close

Step 4d ...

1. **Select the software instance MASTER_zOS_R13_w/Other_Product**

2. **Then click on Actions, View and then Data Sets**

IBM z/OS M...   a01

Welcome × S...

Software Man...

View Product...

Products, Features, and FMIDs b...

| ☑ ☐ | Actions ▼ | Table... |

Actions menu		
View	▶	Properties
Ret... duct, Feature, and FMID Information		Data Sets
...tenance Reports	▶	
Expand		
Collapse		
Show Hidden Maintenance Reports		
Retrieve End of Service Information...		
☑ Select All		
☐ Deselect All		
Configure Columns...		
Modify Filters...		
Hide Filter Row		
Clear Filters		
Modify Sort...		
Clear Sorts		
Export Table Data	▶	
Print Table Data	▶	
Expand All		
Collapse All		
Switch to Non-Tree View		

Sof...		...ages	Product, Feature, and FMID Information Retrieved (Local)	Release	Product ID	Vendor	General Av...
Filt...		Filter	Filter	Filter	Filter	Filter	Filter
☑	⊞ ...		Oct 23, 2013 4:41:01 PM				

Total: 286, Selected: 286

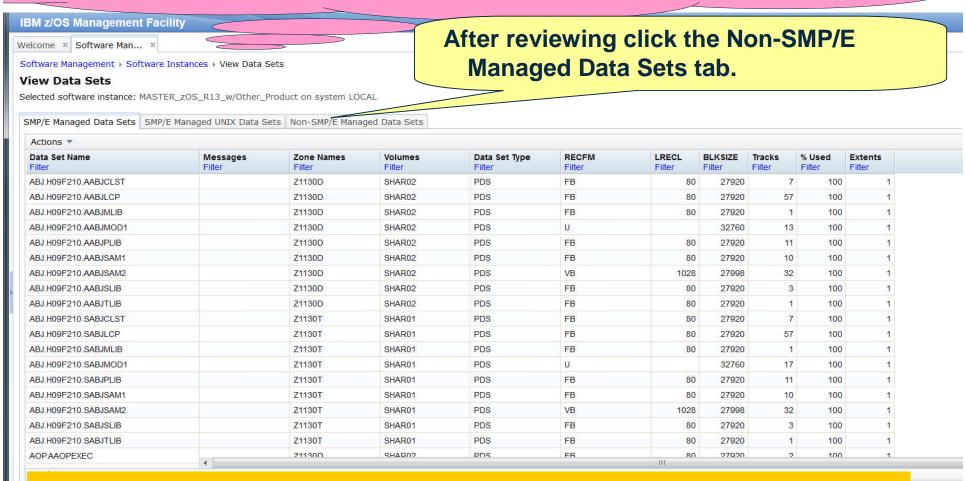[Refresh] Last refresh: Jan 28, 2014 4:43:24 PM

[Close]

Software Management dynamically analyzes the GLOBAL, target and distribution zones to determine the list of data sets that make up the software instance. The list is limited to those data sets (DDDEFs) that can possibly be updated using SMP/E commands and any non-SMP/E managed data sets that were defined.

IBM z/OS

Welcome × Software

Software Management ▸ Software Instances ▸ View Products, Features, and FMIDs

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

☑ ▢ | Actions ▾ | Table view: Tree

Software Instance / Product / Feature / FMID	System	Messages	Product, Feature, and FMID Information Retrieved (Local)	Release	Product ID	Vendor	General Availability	End of Serv
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
☑ ⊞ MASTER_zOS_R13_w/Other_Product	LOCAL		Oct 23, 2013 4:41:01 PM					

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

35%

Cancel

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

Total: 286, Selected: 286

Refresh | Last refresh: Jan 28, 2014 5:00:24 PM

Close

Step 4d ...

Data sets are displayed in ISPF Data Set List (3.4) like format showing the data sets and its attributes.

After reviewing click the Non-SMP/E Managed Data Sets tab.

IBM z/OS Management Facility

Welcome ✕   Software Man... ✕

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▾

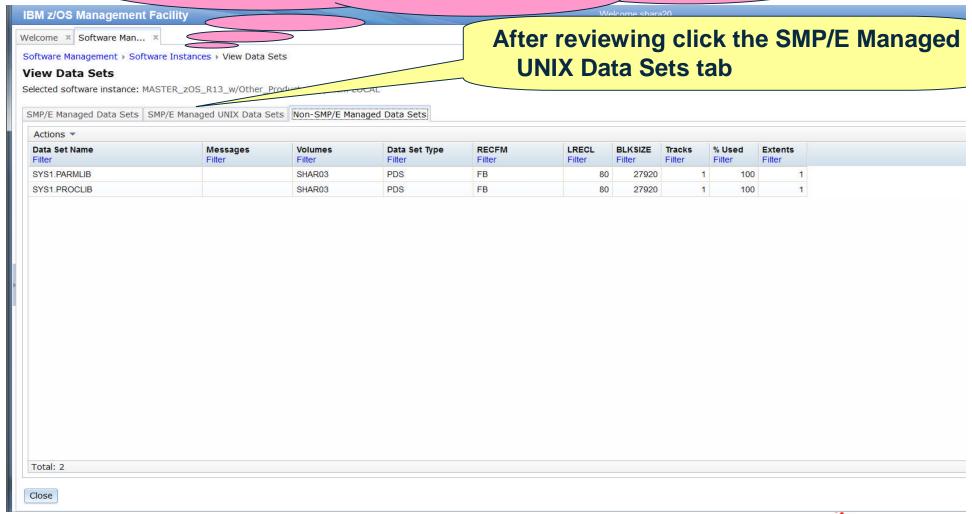| Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02	PDS	FB	80	27920	7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02	PDS	FB	80	27920	57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02	PDS	U		32760	13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02	PDS	FB	80	27920	11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01	PDS	FB	80	27920	7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01	PDS	FB	80	27920	57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01	PDS	U		32760	17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01	PDS	FB	80	27920	11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01	PDS	FB	80	27920	10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC		Z1130D	SHAR02	PDS	FB	80	27920	2	100	1

You can use filters to identify conforming/non-conforming: data set names, data set placement, possibly based on data set type, data sets with more than one extent, etc. In the lab you will identify data sets with more than one extent.

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Step 4d …

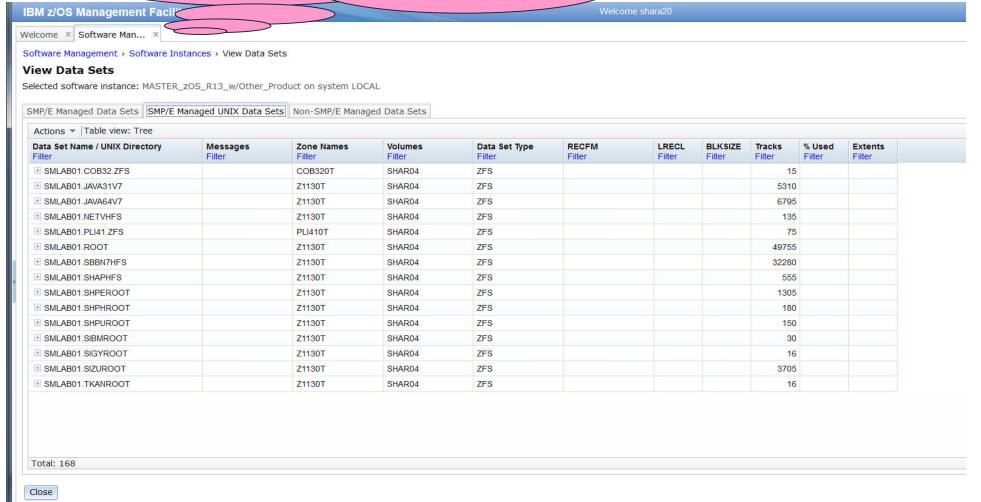**Information about the non-SMP/E managed data sets is also dynamically retrieved and displayed.**

After reviewing click the SMP/E Managed UNIX Data Sets tab

IBM z/OS Management Facility

Welcome shara20

Welcome	x	Software Man...	x

Software Management ▶ Software Instances ▶ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on LOCAL

SMP/E Managed Data Sets	SMP/E Managed UNIX Data Sets	Non-SMP/E Managed Data Sets

Actions ▼

Data Set Name Filter	Messages Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter	
SYS1.PARMLIB		SHAR03	PDS	FB	80	27920	1	100	1	
SYS1.PROCLIB		SHAR03	PDS	FB	80	27920	1	100	1	

Total: 2

Close

View Data Sets …

- **PTFs UI16044 and UI16028 enhance the View Data Sets function by adding an SMP/E Managed UNIX Data Set Tab**
  - You can easily identify the z/OS UNIX data sets that are used for a specific software instance.
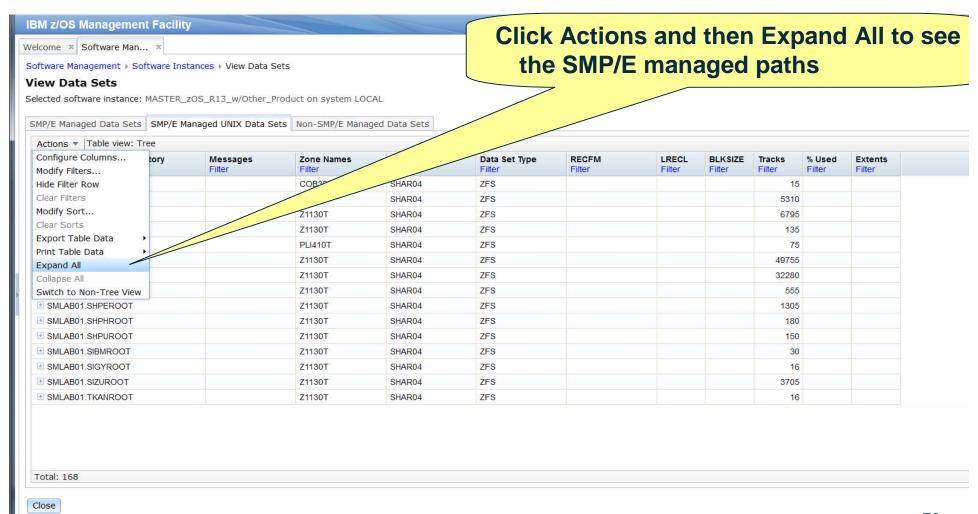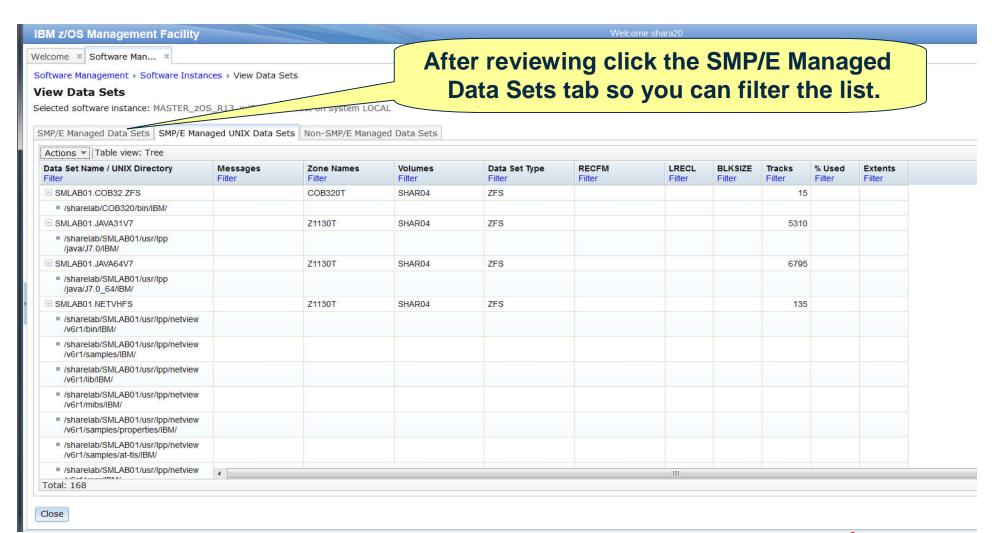 - You can expand the view to show the SMP/E DDDEF path names that use each data set

Step 4d ...

Information about each of the z/OS UNIX file systems for the SMP/E managed files has been dynamically retrieved and displayed.
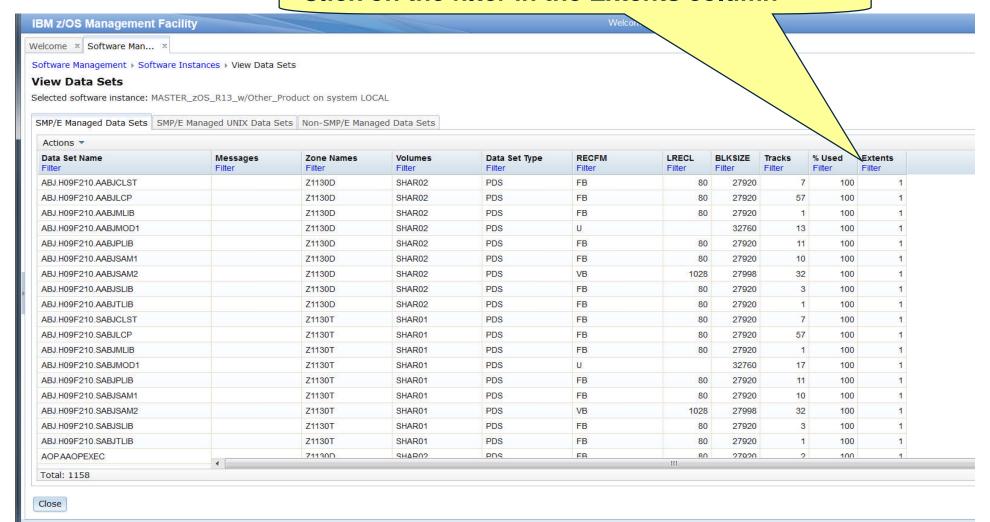
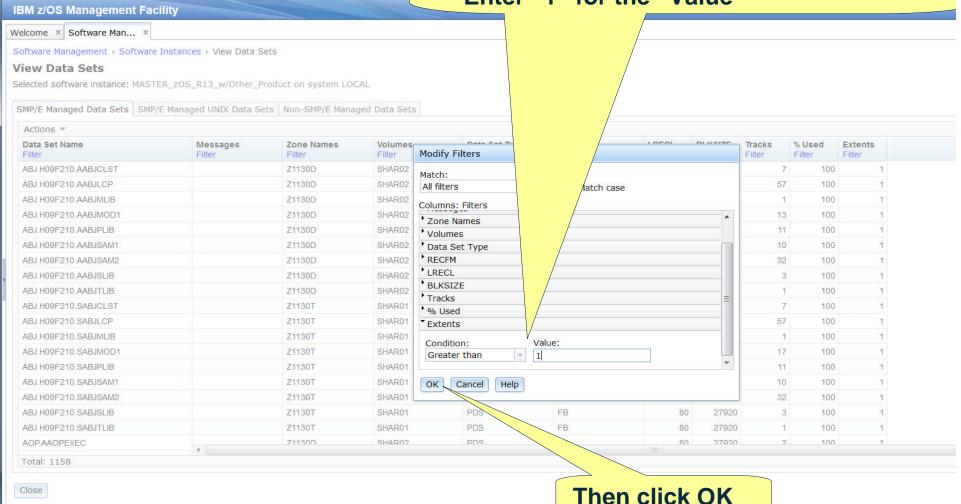IBM z/OS Management Facility   Welcome shara20

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▾ | Table view: Tree

Data Set Name / UNIX Directory Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
⊞ SMLAB01.COB32.ZFS		COB320T	SHAR04	ZFS				15		
⊞ SMLAB01.JAVA31V7		Z1130T	SHAR04	ZFS				5310		
⊞ SMLAB01.JAVA64V7		Z1130T	SHAR04	ZFS				6795		
⊞ SMLAB01.NETVHFS		Z1130T	SHAR04	ZFS				135		
⊞ SMLAB01.PLI41.ZFS		PLI410T	SHAR04	ZFS				75		
⊞ SMLAB01.ROOT		Z1130T	SHAR04	ZFS				49755		
⊞ SMLAB01.SBBN7HFS		Z1130T	SHAR04	ZFS				32280		
⊞ SMLAB01.SHAPHFS		Z1130T	SHAR04	ZFS				555		
⊞ SMLAB01.SHPEROOT		Z1130T	SHAR04	ZFS				1305		
⊞ SMLAB01.SHPHROOT		Z1130T	SHAR04	ZFS				180		
⊞ SMLAB01.SHPUROOT		Z1130T	SHAR04	ZFS				150		
⊞ SMLAB01.SIBMROOT		Z1130T	SHAR04	ZFS				30		
⊞ SMLAB01.SIGYROOT		Z1130T	SHAR04	ZFS				16		
⊞ SMLAB01.SIZUROOT		Z1130T	SHAR04	ZFS				3705		
⊞ SMLAB01.TKANROOT		Z1130T	SHAR04	ZFS				16		

Total: 168

Close

75

Step 4d …

Step 4d …

IBM z/OS Management Facility | Welcome shara20

Welcome x | Software Man... x

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13... on system LOCAL

After reviewing click the SMP/E Managed Data Sets tab so you can filter the list.

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▾ | Table view: Tree

Data Set Name / UNIX Directory Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
⊟ SMLAB01.COB32.ZFS		COB320T	SHAR04	ZFS				15		
▪ /sharelab/COB320/bin/IBM/										
⊟ SMLAB01.JAVA31V7		Z1130T	SHAR04	ZFS				5310		
▪ /sharelab/SMLAB01/usr/lpp /java/J7.0/IBM/										
⊟ SMLAB01.JAVA64V7		Z1130T	SHAR04	ZFS				6795		
▪ /sharelab/SMLAB01/usr/lpp /java/J7.0_64/IBM/										
⊟ SMLAB01.NETVHFS		Z1130T	SHAR04	ZFS				135		
▪ /sharelab/SMLAB01/usr/lpp/netview /v6r1/bin/IBM/										
▪ /sharelab/SMLAB01/usr/lpp/netview /v6r1/samples/IBM/										
▪ /sharelab/SMLAB01/usr/lpp/netview /v6r1/lib/IBM/										
▪ /sharelab/SMLAB01/usr/lpp/netview /v6r1/mibs/IBM/										
▪ /sharelab/SMLAB01/usr/lpp/netview /v6r1/samples/properties/IBM/										
▪ /sharelab/SMLAB01/usr/lpp/netview /v6r1/samples/at-tls/IBM/										
▪ /sharelab/SMLAB01/usr/lpp/netview										

Total: 168

Close

Step 4d …

Click on the filter in the Extents column

IBM z/OS Management Facility

Welcome

| Welcome ✕ | Software Man... ✕ |

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▾

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02	PDS	FB	80	27920	7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02	PDS	FB	80	27920	57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02	PDS	U		32760	13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02	PDS	FB	80	27920	11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01	PDS	FB	80	27920	7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01	PDS	FB	80	27920	57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01	PDS	U		32760	17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01	PDS	FB	80	27920	11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01	PDS	FB	80	27920	10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC		Z1130D	SHAR02	PDS	FB	80	27920	2	100	1

Total: 1158

Close

Step 4d …

Change the condition to "Greater than" and Enter "1" for the "Value"

IBM z/OS Management Facility

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▾

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter			LRECL	BLKSIZE	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02					7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02					57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02					1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02					13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02					11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02					10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02					32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02					3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02					1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01					7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01					57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01					1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01					17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01					11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01					10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01					32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC		Z1130D	SHAR02	PDS		80	27920	2	100	1

Total: 1158

Modify Filters

Match:
All filters

Columns: Filters

▸ Zone Names
▸ Volumes
▸ Data Set Type
▸ RECFM
▸ LRECL
▸ BLKSIZE
▸ Tracks
▸ % Used
▸ Extents

Condition: Value:
Greater than   1

OK   Cancel   Help

match case

Close

Then click OK

With the filter set, you can easily see the 10 (out of 1158) data sets that have secondary extents. You could further filter the Volumes column to identify those data sets with secondary extents that reside on the SYSRES.

After reviewing, click on the filter in the Extents column

IBM z/OS Management Facility

Welcome shara20

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets

Actions ▾ | Match: All filters

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Greater than 1
CEE.SCEERUN2		Z1130T	SHAR01	PDSE	U		32760	23877	90	2
SMLAB01.SMPPTS		COB320D, COB320T, DT910D, DT910T, GLOBAL, PLI410D, PLI410T, Z1130D, Z1130T	SHAR02	PDSE	FB	80	32720	71902	63	2
SYS1.AIEALNKE		Z1130D	SHAR03	PDSE	U		32760	2974	90	2
SYS1.ANFSLIBE		Z1130D	SHAR03	PDSE	U		32760	254	90	2
SYS1.SHASLNKE		Z1130T	SHAR01	PDSE	U		32760	94	89	2
SYS1.SIEALNKE		Z1130T	SHAR01	PDSE	U		32760	3135	90	2
SYS1.SIEAMIGE		Z1130T	SHAR01	PDSE	U		32760	4	72	2
TCPIP.AEZAMODS		Z1130D	SHAR03	PDSE	U		32760	3364	90	2
TCPIP.SEZALOAD		Z1130T	SHAR01	PDSE	U		32760	2740	90	2
TIVOLI.TKANMODP		Z1130T	SHAR01	PDSE	U		32760	277	89	2

Total: 1158, Filtered: 10

Close

Step 4d …

You are back to the original list of data sets. You will now use filtering to verify that all ZFS file systems are on volume SHAR04.

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Software Management ▸ Software I...

Click on the filter in the Data Set Type column

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product...

SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed D...

Actions ▾

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02	PDS	FB	80	27920	7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02	PDS	FB	80	27920	57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02	PDS	U		32760	13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02	PDS	FB	80	27920	11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01	PDS	FB	80	27920	7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01	PDS	FB	80	27920	57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01	PDS	U		32760	17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01	PDS	FB	80	27920	11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01	PDS	FB	80	27920	10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC		Z1130D	SHAR02	PDS	FB	80	27920	2	100	1

Total: 1158

Close

Step 4d …

Step 4d …

Notice that no data sets are displayed. After PTFs UI16044 and UI16028 they are shown in the SMP/E Managed UNIX Data Set Tab. If you want to see the zFS data sets, click on the SMP/E Managed UNIX Data Set tab.

Welcome

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_ZOS ... on system LOCAL

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▾ | Match: All filters

Data Set Name	Messages	Zone Names	Volumes	Data Set Type	RECFM	LRECL	BLKSIZE	Tracks	% Used	Extents
Filter	Filter	Filter	Filter	Contains "zfs"	Filter	Filter	Filter	Filter	Filter	Filter

There is no data to display.

When you are done viewing data sets, click on the filter for Extents

Total: 1158, Filtered: 0

Close

Step 4d …

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Step 4d …

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Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

| SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-SMP/E Managed Data Sets |

Actions ▼

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02	PDS	FB	80	27920	7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02	PDS	FB	80	27920	57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02	PDS	U		32760	13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02	PDS	FB	80	27920	11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01	PDS	FB	80	27920	7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01	PDS	FB	80	27920	57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01	PDS	U		32760	17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01	PDS	FB	80	27920	11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01	PDS	FB	80	27920	10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC		Z1130D	SHAR02	PDS	FB	80	27920	2	100	1

Total: 1158

Close

Step 4e: Export the "Master" Software Instances' Data Set Information

Step 4e

Now you will save the data set information in a file on your workstation so that you can use speadsheet functions to manipulate the data or print it

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on

SMP/E Managed Data Sets | SMP/E Managed UNIX Data Sets | Non-...

Click:
1. **Actions, then**
2. **Export Table Data, then**
3. **All Data**

Actions ▼										Extents
Configure Columns...		Messages	Zone							
Modify Filters...		Filter	Filter						Filter	Filter
Hide Filter Row			Z1130D			FB	80	27920	7	100	1
Clear Filters			Z1130D		PDS	FB	80	27920	57	100	1
Modify Sort...			SHAR02		PDS	FB	80	27920	1	100	1
Clear Sorts			Z1130D		SHAR02	PDS	U		32760	13	100	1
Export Table Data ▸	Current View		Z1130D		SHAR02	PDS	FB	80	27920	11	100	1
Print Table Data ▸	All Data		Z1130D		SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM1			Z1130D		SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2			Z1130D		SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB			Z1130D		SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB			Z1130D		SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST			Z1130T		SHAR01	PDS	FB	80	27920	7	100	1
ABJ.H09F210.SABJLCP			Z1130T		SHAR01	PDS	FB	80	27920	57	100	1
ABJ.H09F210.SABJMLIB			Z1130T		SHAR01	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJMOD1			Z1130T		SHAR01	PDS	U		32760	17	100	1
ABJ.H09F210.SABJPLIB			Z1130T		SHAR01	PDS	FB	80	27920	11	100	1
ABJ.H09F210.SABJSAM1			Z1130T		SHAR01	PDS	FB	80	27920	10	100	1
ABJ.H09F210.SABJSAM2			Z1130T		SHAR01	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.SABJSLIB			Z1130T		SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB			Z1130T		SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC			Z1130D		SHAR02	PDS	FB	80	27920	2	100	1

Total: 1158

Close

Step 4e ...

Pop-up window will allow you to save the file or open it with a program such as Microsoft Office Excel. You also have the opportunity to cancel

Opening Table_Data_3910105522508588851.csv

You have chosen to open:

📊 **Table_Data_3910105522508588851.csv**

which is: Microsoft Office Excel Comma Separated Values File

from: https://mvs1.centers.ihost.com

What should Firefox do with this file?

○ Open with Microsoft Office Excel (default) ▼

● Save File

☐ Do this automatically for files like this from now on.

OK Cancel

Since this is a lab, please click cancel. The next slide in the handout shows how the data set information would be displayed in a spread sheet.

Now you would be able to launch a program like Microsoft Office Excel to view or manipulate the z/OSMF "Master" Software Instances' data set information

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Step 4e …

Step 4e …

Step 5a: Report on "Master" Software Instances' End of Service

For the first set of reports you will use all "Master" software instances

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances

Software Instances

Click ☑ to select all software instances

☑ 🔲 | Actions ▾ | Match: All filters

Name Contains "MASTER"	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
☐ MASTER_SMPEV3.6_WITH_PTFS	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
☐ MASTER_SMPEV3.6_WITHOUT_I	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
☐ MASTER_ZOSV1.12	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
☑ MASTER_zOS_R13_w/Other_Pro	LOCAL		z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

◄ | III

Total: 4, Filtered: 4, Selected: 1

Refresh | Last refresh: Jan 29, 2014 10:58:25 AM

Close

Step 5a …

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Welcome ✕   Software Man... ✕

Software Management ▸ Software Instances

Software Instances

Actions ▾ | Match: All filters

Click Actions, Maintenance Reports, then End of Service

View ▸		sages	**Description** Filter	tivity	**Global Zone CSI** Filter	**Target Zones**	**Categories**
Modify						
Open Deployments						
Copy...			Source ... nstance for the z/O... oftware Deplo...ent Lab. This instance		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
Remove...						
Retrieve Product, Feature, and FMID Information						
Maintenance Reports ▸	End of Service						
Add...	Software Instance Validation		...e for		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
Show Hidden Maintenance Reports	Missing Critical Service					
	Missing FIXCAT SYSMODs		stance			
☑ Select All	SYSMOD Search		...			
☑ Deselect All	Software Instance Comparison...					
Configure Columns...			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
Modify Filters...						
Hide Filter Row						
Clear Filters						
Modify Sort...			z/OS V1.13 with over 20 other		SMLAB01.GLOBAL.CSI	COB320T, DT910T,	

You can generate reports about the selected software instances. The End of Service report helps you determine if any of the products contained in your software instances are approaching or have reached their announced end of service support date.

This action:
- Will display additional information, not available through batch SMP/E
- Can be performed against multiple software instances at the same time
- Can be performed against software instances throughout your enterprise

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The display shows any product that was in a selected software instance with information about the product's general availability and end of service. A year ago there were products approaching their end of service dates.

Software Management ▸ Software Instances ▸ Maintenance Reports   Help

Maintenance Reports

End of Service ✕

Timeline   View Legend

2012		2013												2014													2015							
<=Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	>=

[Retrieve End of Service Information...]

Software Instances by Product

☑ ☐ | Actions ▾ | Table view: Tree

Product / Software Instance Filter	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Product Information Filter	Product Information File Version Filter
⊞ System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	☑ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
⊞ z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	⚠ Sep 30, 2014	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5694-A01	Oct 17, 2013
⊞ Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	⊗ Oct 3, 2005	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G53	Oct 17, 2013
⊞ Debug Tool V9	09.01.00	5655-U27		IBM	Sep 26, 2008	⊗ Apr 30, 2012	http://www-01.ibm.com/common/ssi/cgi-	Oct 17, 2013

Total: 55, Selected: 0

[Refresh]

[Close]

Note: Products were added to this software instance to show products that have already passed or are approaching their end of service date

The display shows any product that was in a selected software instance with information about the product's general availability and end of service. Now the end of service dates for all products has passed.

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports   Help

Maintenance Reports

End of Service ✕

Click View Legend

Timeline   View Legend

| 2013 | 2014 | | | | | | | | | | 2015 | | | | | | | | | | | 2016 | | | | | | |
| <=Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | >=/ |

Retrieve End of Service Information...

Software Instances by Product

☑ ▣ | Actions ▾ | Table view: Tree

Product / Software Instance Filter	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Product Information Filter	Product Information File Version Filter
⊞ System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	✅ Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Sep 12, 2013
⊞ z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	❌ Sep 30, 2014	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5694-A01	Sep 12, 2013
⊞ Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	❌ Oct 3, 2005	http://www-01.ibm.com/common/ssi/cgi-	Sep 12, 2013

Total: 55

Note: Products were added to this software instance to show products that have already passed or are approaching their end of service date

Refresh | Last refresh: Feb 5, 2013, 5:10:50 PM

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Close | Hide

Notice that the scrollable timeline has icons and that any product that has an announced End of Service date has an icon. The table below shows all products.

Icons represented in timeline

Legend to describe calendar colors and icons

After reviewing the Legend, click the "X" to close the pop up window

View Legend

Timeline Legend

Key	Description
⊗	End of service date passed
⚠	End of service date within six months
⚠	End of service date more than six months
■	Past months
▢	Current month
■	Near future months
■	Distant future months

Click Actions, then Expand All

You can see all the software instances where SMP/E (and all the other products) is installed.

Optionally, you can change the filter to only show the products with an announced end of service date

When you are done with the End of Service report, click Close

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Step 5b: Report on "Master" Software Instances' SYSMOD Search

Step 5b

Now you will perform a Cross Zone Query on steroids!!!!

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Welcome ×   Software Man... ×

Software Management ▸ Software Instances

Software Instances

Click Actions, Maintenance Reports, then SYSMOD Search

Actions ▾ | Match: All filters

View	▸
Modify	
Open Deployments	
Copy...	
Remove...	
Retrieve Product, Feature, and FMID Information	
Maintenance Reports	▸
Add...	
Show Hidden Maintenance Reports	
☑ Select All	
☐ Deselect All	
Configure Columns...	
Modify Filters...	
Hide Filter Row	

Maintenance Reports submenu:
- End of Service
- Software Instance ...ation
- Missing Critical Se...
- Missing FIXCAT SY...MODs
- SYSMOD Search
- Software Instance Comparison...

Name	...sages	D...	Activity	Global Zone CSI	Target Zones	Categories
MA		Sou... ...nce for the ... ...e Depl... This instance		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
MA		...for ...stance		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
MA		Source Software Instance for the z/OSMF Software Deployment Lab. This instance		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	

The SYSMOD Search capability helps you determine if your software instances contain the SYSMODs in which you are interested. This could be to determine:
- If you already installed the fix that a vendor suggested that you install,
- If you already installed a Red Alert or fix associated with security/integrity APAR
- How many software instances are affected by a specific PTF that went PE
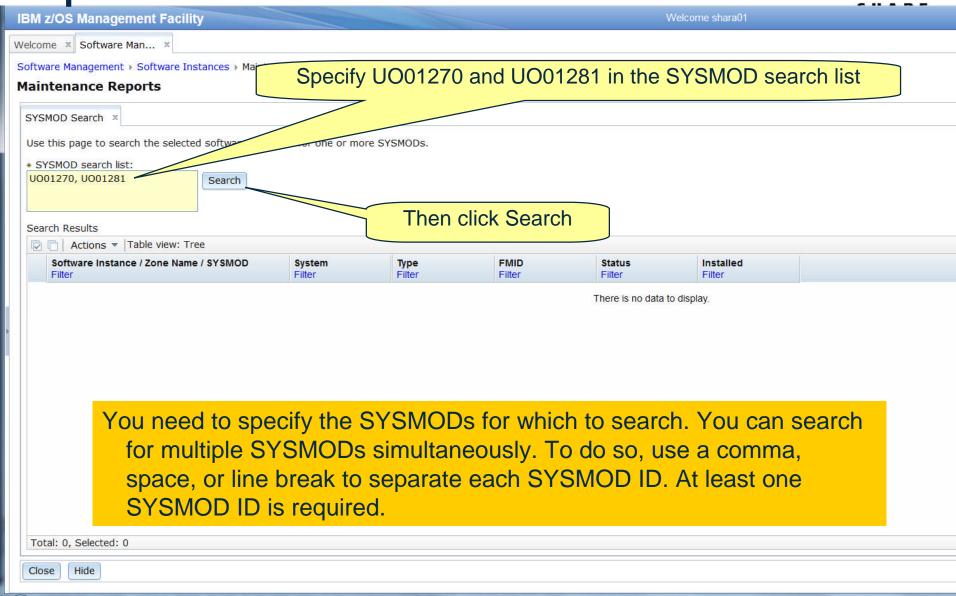
While similar to cross zone query, this action can be performed:
- For multiple SYSMODs at the same time
- Against multiple software instances at the same time
- Against software instances throughout your enterprise

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Step 5b …

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Welcome × | Software Man... ×

Software Management ▸ Software Instances ▸ Ma...

Maintenance Reports

SYSMOD Search ×

Use this page to search the selected softwa... one or more SYSMODs.

Specify UO01270 and UO01281 in the SYSMOD search list

* SYSMOD search list:

UO01270, UO01281   [Search]

Then click Search

Search Results

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Zone Name / SYSMOD	System	Type	FMID	Status	Installed
Filter	Filter	Filter	Filter	Filter	Filter

There is no data to display.

You need to specify the SYSMODs for which to search. You can search for multiple SYSMODs simultaneously. To do so, use a comma, space, or line break to separate each SYSMOD ID. At least one SYSMOD ID is required.

Total: 0, Selected: 0

[Close] [Hide]

Step 5b …

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Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕

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

✦ SYSMOD search list:

UO01270, UO01281   Search

Search Results

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Zone Name / SYSMOD	System	Type	FMID	Status	Installed
Filter	Filter	Filter	Filter	Filter	Filter

Searching for the SYSMODs in the selected software instances. This request might take several minutes to complete.

Cancel

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

Total: 0, Selected: 0

Close | Hide

Step 5b ...

IBM z/OS Management Facility

Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕

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

✳ SYSMOD search list:

UO01270, UO01281

[Search]

Search Results

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Zone Name / SYSMOD Filter	System Filter	Type Filter	FMID Filter	Status Filter	Installed Filter
☐ ⊞ MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
☐ ⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
☐ ⊞ MASTER_ZOSV1.12	LOCAL				
☐ ⊞ MASTER_zOS_R13_w/Other_Product	LOCAL				

Total: 55, Selected: 0

[Close] [Hide]

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Step 5b …

In one request, you queried 4 software instances using 2 different GLOBAL zones for 2 SYSMODs. This simple query would take at least 4 user interactions using SMP/E's cross zone query.

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕

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

* SYSMOD search list:

UO01270, UO01281   [Search]

Search Results

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Zone Name / SYSMOD Filter	System Filter	Type Filter	FMID Filter	Status Filter	Installed Filter
☐ ⊟ MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
☐ ⊟ DSMP36P					
☐ ▪ UO01270				Superceded by UO01301	
☐ ▪ UO01281		PTF	HMP1J00	Accepted	January 3, 2012 14:09:28
☐ ⊟ GLOBAL					
☐ ▪ UO01270		PTF	HBCNC00	Received	January 16, 2012 15:23:34
☐ ▪ UO01281		PTF	HMP1J00	Received	January 16, 2012 15:23:38
☐ ⊟ TSMP36P					
☐ ▪ UO01270				Superceded by UO01301	
☐ ▪ UO01281		PTF	HMP1J00	Applied	January 3, 2012 14:07:05

Total: 55, Selected: 0

[Close] [Hide]

Step 5b …

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Step 5c: Report on "Master" Software Instances' Missing FIXCAT SYSMODs

Step 5c

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕

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

✱ SYSMOD search list:

UO01270, UO01281   [Search]

Search Results

Click ☑ to select all software instances

☑ ☐ | Actions ▾ | Table view: Tree

Software Instance / Zone Name / SYSMOD Filter	System Filter	Type Filter	FMID Filter	Status Filter	Installed Filter
☐ ⊞ MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
☐ ⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
☐ ⊞ MASTER_ZOSV1.12	LOCAL				
☐ ⊞ MASTER_zOS_R13_w/Other_Product	LOCAL				

Total: 55, Selected: 0

[Close] [Hide]

Next you will look for missing fixes associated with one or more SMP/E Fix Categories.

Step 90 ...

IBM z/OS Management Facility Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕

Use this page to search the selected software instances for one

* SYSMOD search list:

UO01270, UO01281   [Search]

Click Actions, Maintenance Reports, then Missing FIXCAT SYSMODs

Search Results

☑ ☐ | Actions ▾ | Table view: Tree

	View ▸	SYSMOD	System		pe	FMID	Status	Installed
Sof	Maintenance Reports ▸	End of Service			Filter	Filter	Filter	Filter
Filte	Expand	Software Instance Validati						
☑ ⊞	Collapse	Missing Critical Service						
☑ ⊞	☑ Select All	Missing FIXCAT SYSMODs						
☑ ⊞	☐ Deselect All	Software Instance Comparison...						
☑ ⊞	Configure Columns...							
	Modify Filters...							
	Hide Filter Row							
	Clear Filters							
	Modify Sort...							
	Clear Sorts							
	Export Table Data ▸							

Total:

[Close]

The Missing FIXCAT SYSMODs reports helps you identify any unsatisfied hardware or software requisites that are required for a specific category of software fixes.

While similar to REPORT MISSINGFIX, this action:
- Can be performed against multiple software instances at the same time
- Can be performed against software instances throughout your enterprise

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Step 5c …

Step 30 ...

Results shown in a scrollable tree table. You will have to expand each row to see the actual results.

IBM z/OS Management Facility   Welcome shara01

Welcome × | Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search × | Missing FIXCAT SYSMODs ×

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

☑ ▢ | Actions ▾ | Table view: Tree

Software Instance / Fix Category / FMID / 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	FMID Description Filter
☐ ⊞ MASTER_SMPEV3.6_WITH_PTFS	LOCAL	January 16, 2012 15:38:30				
☐ ⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:38:30				
☐ ⊞ MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:38:30				
☐ ⊞ MASTER_zOS_R13_w/Other_Product	LOCAL	September 28, 2012 11:33:57				

Total: 556, Selected: 0

[Refresh] Last refresh: Jan 29, 2014 2:42:23 PM

[Close] [Hide]

Notice that a second tab was created under Maintenance Reports. You can go back to prior reports by clicking the appropriate tab.

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

Click Actions, then Expand All

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕

Review the list of fix categories and determine which APARs are critical for your ... MP/E to apply the resolving SYSMODs to the corresponding target zone.

Actions ▾ | Table view: Tree

	View ▸	/ FMID / Missing	System Filter	...ATA eived (GMT) Filter	Target Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	FMID Description Filter
Sof APA Filt	Maintenance Reports ▸							
	Expand							
	Collapse							
☐ ⊞	☑ Select All	S		January 16, 2012 15:38:30				
☐ ⊞	☐ Deselect All	PTFS	LOCAL	January 16, 2012 15:38:30				
	Configure Columns...							
	Modify Filters...							
☐ ⊞	Hide Filter Row		LOCAL	January 16, 2012 15:38:30				
	Clear Filters							
☐ ⊞	Modify Sort...	duct	LOCAL	September 28, 2012 11:33:57				
	Clear Sorts							
	Export Table Data ▸							
	Print Table Data ▸							
	Expand All							
	Collapse All							
	Switch to Non-Tree View							

Total: 556, Selected: 0

Refresh | Last refresh: Jan 29, 2014 2:42:23 PM

Close | Hide

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕

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

☑ ▯ | Actions ▾ | Table view: Tree

Software Instance / Fix Category / FMID / 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	FMID Description Filter
� MASTER_SMPEV3.6_WITH_PTFS	LOCAL	January 16, 2012 15:38:30				
▭ IBM.Coexistence.z/OS.V1R11						
▭ HMP1J00						SMP/E Base
▪ AACOEX1			TSMP36P		UACOEX2	
▭ IBM.Coexistence.z/OS.V1R12						
▭ HMP1J00						SMP/E Base
▪ AACOEX1			TSMP36P		UACOEX2	
▭ IBM.Coexistence.z/OS.V1R13						
▭ HMP1J00						SMP/E Base
▪ AACOEX1			TSMP36P		UACOEX2	
▭ IBM.Device.Server.z114-2818						
▭ HMP1J00						SMP/E Base
▪ AASRVR1			TSMP36P		UASRVR1	
▭ IBM.Device.Server.z196-2817						
▭ HMP1J00						SMP/E Base

Total: 556, Selected: 0

Refresh | Last refresh: Jan 29, 2014 2:42:23 PM

Close | Hide

Step 5c …
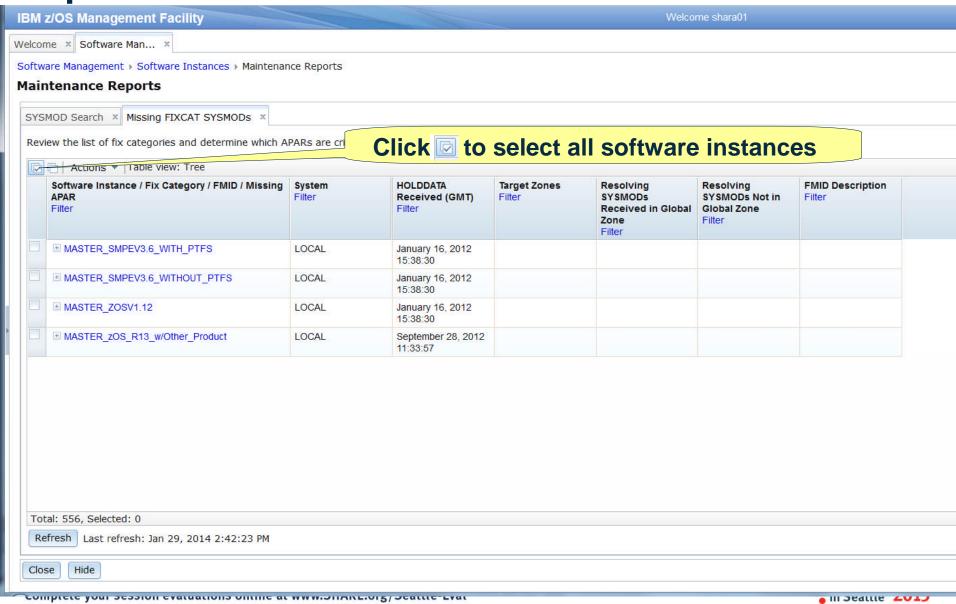
Step 5d: Report on "Master" Software Instances' Missing Critical Fixes

Step 5d

Welcome shara01

Welcome × Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search × Missing FIXCAT SYSMODs ×

Review the list of fix categories and determine which APARs are cri

Click ☑ to select all software instances

☑ ☐ Actions ▼ | Table view: Tree

	Software Instance / Fix Category / FMID / 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	FMID Description Filter
☐	⊞ MASTER_SMPEV3.6_WITH_PTFS	LOCAL	January 16, 2012 15:38:30				
☐	⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:38:30				
☐	⊞ MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:38:30				
☐	⊞ MASTER_zOS_R13_w/Other_Product	LOCAL	September 28, 2012 11:33:57				

Total: 556, Selected: 0

Refresh Last refresh: Jan 29, 2014 2:42:23 PM

Close Hide

Complete your session evaluations online at www.SHARE.org/Seattle-Eval

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Step 5d …

Click Actions, Maintenance Reports, then Missing Critical Service

IBM z/OS Management Facility   Welcome shara01

Welcome ×   Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search   Missing FIXCAT SYSMODs ×

Review the list of fix categories and determine which APARs are critical for your install... ...pply the resolving SYSMODs to the corresponding target zone.

Actions ▼	Table view: Tree							

Actions menu:
- View ▸
- Maintenance Reports ▸
  - End of Service
  - Software Instance Validat...
  - Missing Critical Service
  - SYSMOD Search
  - Software Instance Comparison...
- Expand
- Collapse
- Select All
- Deselect All
- Configure Columns...
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts
- Export Table Data ▸

Column headers: Sof... APA... / FMID / Missing | System | ...ATA Received (GMT) | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | FMID Description

Rows:
- January 16, 2012 15:38:30
- PTFS | LOCAL | January 16, 2012 15:38:30
- LOCAL | January 16, 2012 15:38:30
- ...duct | LOCAL | September 28, 2012 11:33:57

Total: ...

Refre...   Close

The Missing Critical Fix report helps you determine if any unresolved PE PTFs, HIPERs, or other exception SYSMODs identified by ERROR HOLDDATA are contained in your software instances, and helps you identify the SYSMODs that will resolve those exceptions.

While similar to REPORT ERRSYSMODS, this action:
- Can be performed against multiple software instances at the same time
- Can be performed against software instances throughout your enterprise

Step 5d …

Pop-up window to alert you that this might take a few minutes, and allow you to cancel, just let it complete
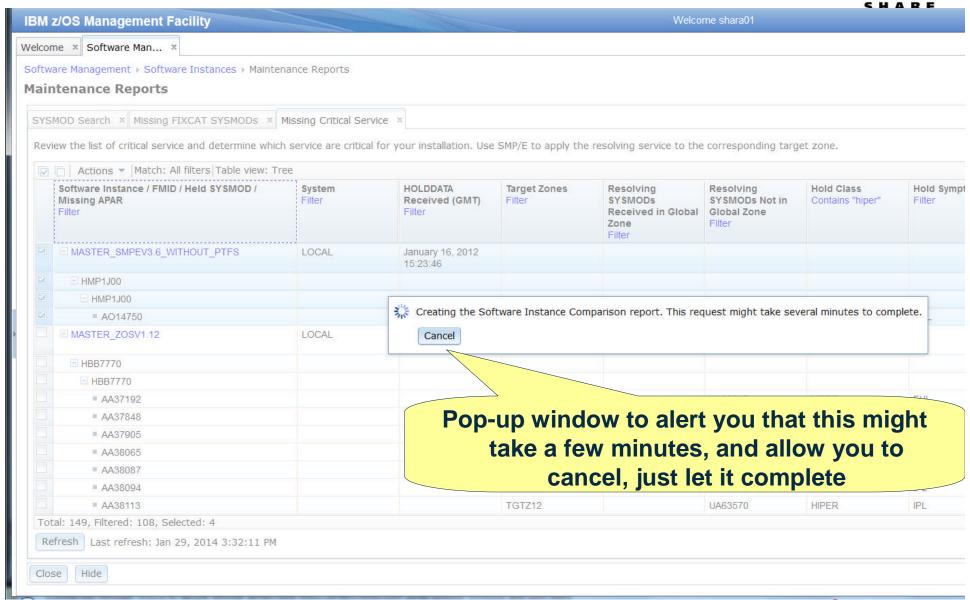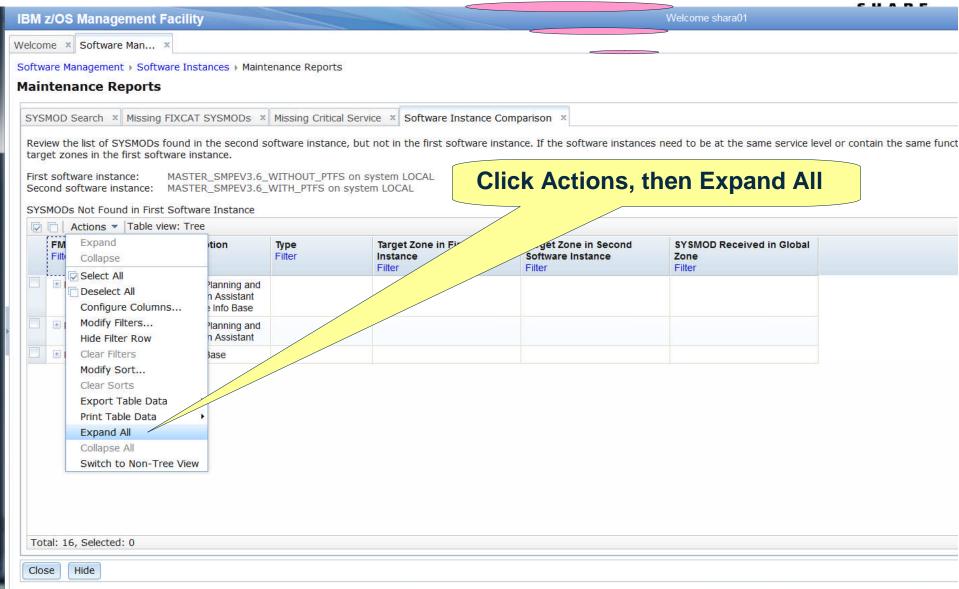
Results shown in a scrollable tree table. You will have to expand each row to see the actual results.

IBM z/OS Management Facility

Welcome shara01

Welcome x | Software Man... x

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search x | Missing FIXCAT SYSMODs x | 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

Software Instance / FMID / 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	FMID Description Filter
⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46						
⊞ MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:23:46						
⊞ MASTER_zOS_R13_w/Other_Product	LOCAL	September 28, 2012 11:33:57						

Total: 149, Selected: 0

Refresh | Last refresh: Jan 29, 2014 2:56:30 PM

Close | Hide

Step 5d ...

IBM z/OS Management Facility   Welcome shara01

Welcome x | Software Man... x

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search x | Missing FIXCAT SYSMODs x | Missing Critical Service x

Review the list of critical service and determine which service are critical for your installation. [...] resolving service to the corresponding target zone.

Click Actions, then Expand All

☑ ☐ | Actions ▾ | Table view: Tree

	View ▸	YSMOD /	System Filter	HOLD R...	rget Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Filter	Hold Symptom Filter	FMID Description Filter
Sof Mis Filt	Maintenance Reports ▸									
	Expand									
	Collapse									
☐ ⊞	☑ Select All	PTFS	LOCAL	anuary 16, 2012 15:23:46						
	☐ Deselect All									
☐ ⊞	Configure Columns...		L...	January 16, 2012 15:23:46						
	Modify Filters...									
☐ ⊞	Hide Filter Row	duct	CAL	September 28, 2012 11:33:57						
	Clear Filters									
	Modify Sort...									
	Clear Sorts									
	Export Table Data ▸									
	Print Table Data ▸									
	Expand All									
	Collapse All									
	Switch to Non-Tree View									

Total: 149, Selected: 0

Refresh Last refresh: Jan 29, 2014 2:56:30 PM

Close | Hide

Similar to REPORT ERRSYSMODS Output displayed in tree table format

IBM z/OS Management Facility

Welcome shara01

Welcome   Software Man...

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search   Missing FIXCAT SYSMODs   Missing Critical Service

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

Software Instance / FMID / 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	FMID Description Filter
⊟ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46						
⊟ HMP1J00								SMP/E Base
⊟ HMP1J00								
▪ AO14750			TSMP36	UO01286		HIPER	DAL	
⊟ MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:23:46						
⊟ HBB7770								BCP Base
⊟ HBB7770								
▪ AA37192			TGTZ12		UA63547	HIPER	FUL	
▪ AA37848			TGTZ12		UA63539	HIPER	PRF	
▪ AA37905			TGTZ12		UA63624	HIPER	FUL	
▪ AA38065			TGTZ12		UA63517	HIPER	FUL	
▪ AA38087			TGTZ12		UA63263	HIPER	IPL	
▪ AA38094			TGTZ12			HIPER	IPL	
▪ AA38113			TGTZ12		UA63570	HIPER	IPL	

Total: 149, Selected: 0

Refresh   Last refresh: Jan 29, 2014 2:56:30 PM

Close   Hide

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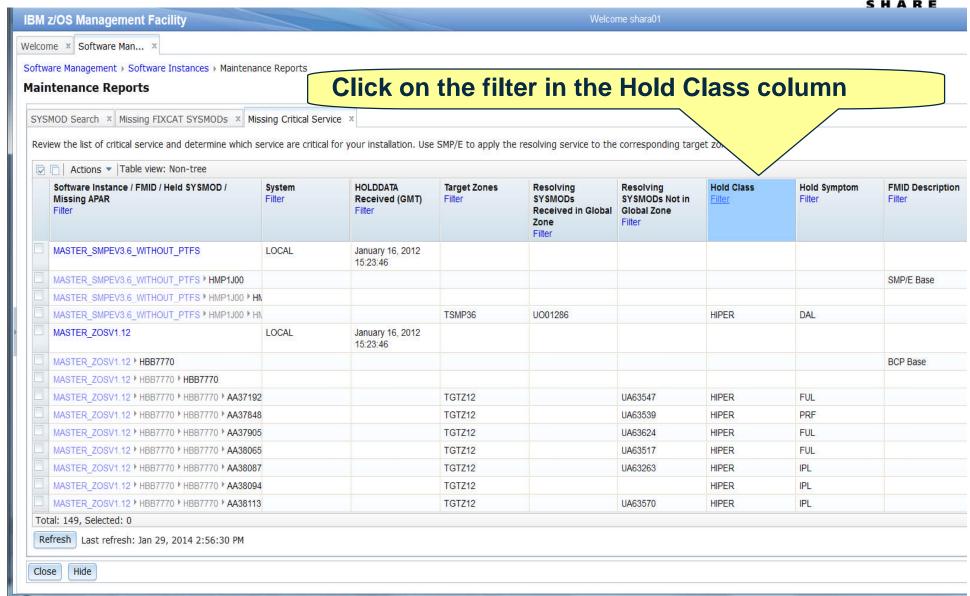
Now you are going to change the view and add a filter to identify missing HIPERs

Click Actions, then Switch to Non-Tree View

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕ | Missing Critical Service ✕

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

Actions ▾ | Table view: Tree

	View	▸	YSMOD /	System Filter	HOLDDATA Received (GM... Filter		esolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Filter	Hold Symptom Filter	FMID Description Filter
Sof Mis Filt	Maintenance Reports	▸									
	Expand										
	Collapse										
☐ ⊟ ☑	Select All		PTFS	LOCAL	J...						
☐	☐ Deselect All										SMP/E Base
	Configure Columns...										
☐	Modify Filters...					TSMP36	UO01286		HIPER	DAL	
☐	Hide Filter Row										
☐ ⊟	Clear Filters		L...	January 16, 2012 15:23:46							
	Modify Sort...										
☐	Clear Sorts										BCP Base
☐	Export Table Data	▸									
☐	Print Table Data	▸				TGTZ12	UA63547		HIPER	FUL	
☐	Expand All					TGTZ12	UA63539		HIPER	PRF	
☐	Collapse All					TGTZ12	UA63624		HIPER	FUL	
☐	Switch to Non-Tree View					TGTZ12	UA63517		HIPER	FUL	
☐	▪ AA38065					TGTZ12	UA63263		HIPER	IPL	
☐	▪ AA38087					TGTZ12			HIPER	IPL	
☐	▪ AA38094					TGTZ12	UA63570		HIPER	IPL	
☐	▪ AA38113										

Total: 149, Selected: 0

Refresh | Last refresh: Jan 29, 2014 2:56:30 PM

Close | Hide

Step 5d …

Step 5d …

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Step 6a:

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Welcome shara01

Welcome ☒ | Software Man... ☒

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ☒ | Missing FIXCAT SYSMODs ☒ | Missing Critical Service ☒

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 ▼ | Match: All filters | Table view: Non-tree

Software Instance / FMID / 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 Contains "hiper"	Hold Symptom Filter	FMID Description Filter
☐ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46						
☐ MASTER_SMPEV3.6_WITHOUT_PTFS ▸ HMP1J00								SMP/E Base
☐ MASTER_SMPEV3.6_WITHOUT_PTFS ▸ HMP1J00 ▸ HM								
☐ MASTER_SMPEV3.6_WITHOUT_PTFS ▸ HMP1J00 ▸ HM			TSMP36	UO01286		HIPER	DAL	
☐ MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:23:46						
☐ MASTER_ZOSV1.12 ▸ HBB7770								BCP Base
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770								
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA37192			TGTZ12		UA63547	HIPER	FUL	
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA37848			TGTZ12		UA63539	HIPER	PRF	
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA37905			TGTZ12		UA63624	HIPER	FUL	
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38065			TGTZ12		UA63517	HIPER	FUL	
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38087			TGTZ12		UA63263	HIPER	IPL	
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38094			TGTZ12			HIPER	IPL	
☐ MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38113			TGTZ12		UA63570	HIPER	IPL	

Total: 149, Filtered: 108, Selected: 0

Refresh | Last refresh: Jan 29, 2014 2:56:30 PM

Close | Hide

Step 5d …

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕ | Missing Critical Service ✕

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.

After you are done reviewing the output, click Actions, then Switch to Tree View

	Actions ▼	Match: All filters	Table view: Non-tr

View	▸	d SYSMOD /				Hold Sympt
Maintenance Reports	▸				Zone	Filter
Expand					Filter	
Collapse						
☑ Select All	_PTFS	LOCAL				
☐ Deselect All						
Configure Columns...	_PTFS ▸ HMP1J00					
Modify Filters...	_PTFS ▸ HMP1J00 ▸ HM					
Hide Filter Row	_PTFS ▸ HMP1J00 ▸ HM		TSMP36	UO01286	HIPER	DAL
Clear Filters		January 16, 2012 15:23:46				
Modify Sort...						
Clear Sorts						
Export Table Data	▸	▸ HBB77				
Print Table Data	▸	▸ HB ▸ AA37192		TGTZ12	UA63547	HIPER	FUL
Expand All		B7770 ▸ AA37848		TGTZ12	UA63539	HIPER	PRF
Collapse All						
Switch to Tree View	▸ HBB7770 ▸ AA37905		TGTZ12	UA63624	HIPER	FUL

MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38065			TGTZ12	UA63517	HIPER	FUL
MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38087			TGTZ12	UA63263	HIPER	IPL
MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38094			TGTZ12		HIPER	IPL
MASTER_ZOSV1.12 ▸ HBB7770 ▸ HBB7770 ▸ AA38113			TGTZ12	UA63570	HIPER	IPL

Total: 149, Filtered: 108, Selected: 0

Refresh   Last refresh: Jan 29, 2014 2:56:30 PM

Close   Hide

Step 5e: Report on "Master" Software Instances' Instance Comparison
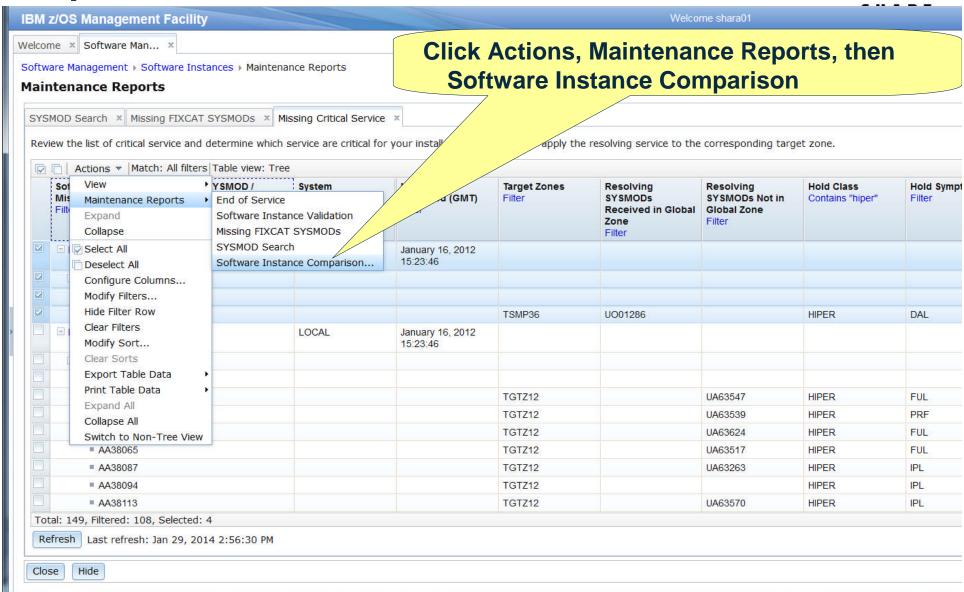
You will now run a report on a single software instance

IBM z/OS Management Facility   Welcome shara01

Welcome × │ Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search × │ Missing FIXCAT SYSMODs × │ Missing Critical Service ×

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 ▾ │ Match: All filters │ Table view: Tree

Software Instance / FMID / 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 Contains "hiper"	Hold Sympt Filter
☑ ⊟ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46					
☑ ⊟ HMP1J00							
☑ ⊟ HMP1J00							
☑ ▪ AO14750			TSMP36	UO01286		HIPER	DAL
▢ ⊟ MASTER_ZOSV1.12	CAL	January 16, 2012 15:23:46					
▢ ⊟ HBB7770							
▢ ⊟ HBB7770							
▢ ▪ AA37192			12		UA63547	HIPER	FUL
▢ ▪ AA37848					UA63539	HIPER	PRF
▢ ▪ AA37905							
▢ ▪ AA38065							
▢ ▪ AA38087							
▢ ▪ AA38094							
▢ ▪ AA38113			TGTZ12		UA63570	HIPER	IPL

Total: 149, Filtered: 108, Selected: 4

Refresh │ Last refresh: Jan 29, 2014 2:56:30 PM

Close │ Hide

Click on MASTER_SMPV3.6_WITHOUT_PTFS software instance

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Step 5e …

Step 38:

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports ▸ Compare Software Instances

Select Software Instance to Compare

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL

Second Software Instance

Actions ▾ | Match: All filters

Name Contains "MASTER"	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
⊙ MASTER_SMPEV3.6_WITH_PTF$	LOCAL		Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
○ MASTER_ZOSV1.12			Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at _SU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12	
○ MASTER_zOS_R13_w/Other_Pro	LOCAL		over 20 other _ng the z/O_ Lab		SMLAB01.GLOBAL.CSI	COB320T, DT910T, PLI410T, Z1130T	

Click on MASTER_SMPV3.6_WITH_PTFS software instance

Total: 3, Filtered: 3, Selected: 1

Refresh | Last refresh: Jan 29, 2014 3:20:2_

OK | Cancel

After selecting the MASTER_SMPV3.6_WITH_PTFS software instance, click OK

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Step 5e …

IBM z/OS Management Facility   Welcome shara01

Welcome ×   Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports ▸ Select Zones

Select the Zones to Compare

To compare the selected software instances, z/OSMF needs to know which target zones to compare. Use the **Select Zones** action in the **Actions** menu to select the target zones to compare with Target Zones in Second Software Instance column is blank, the corresponding target zone in the first software instance will not be included in the report.

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL
Second software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Target Zones to be Compared

Actions ▾

	Select Zones	Tar... Second Software
	Select All	Instance
Filt...	Deselect All	Filter
☑ TSI	Configure Columns...	
	Modify Filters...	
	Hide Filter Row	
	Clear Filters	
	Modify Sort...	
	Clear Sorts	

1. **Select target zone TSMP36**
2. **Then click on Actions and Select Zones**

Total: 1, Selected: 1

OK   Cancel

Select the Zones to Compare

To compare the selected software instances, z/OSMF needs to know which target zones to compare. Use the **Select Zones** action in the **Actions** menu to select the target zones to compare with Target Zones in Second Software Instance column is blank, the corresponding target zone in the first software instance will not be included in the report.

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL
Second software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Target Zones to be Compared

1. **Select target zone TSMP36P**
2. **Then click OK**

Step 5e ...

Step 5e …

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Welcome × | Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search × | Missing FIXCAT SYSMODs × | Missing Critical Service × | Software Instance Comparison ×

Review the list of SYSMODs found in the second software instance, but not in the first software instance. If the software instances need to be at the same service level or contain the same funct target zones in the first software instance.

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL
Second software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

SYSMODs Not Found in First Software Instance

☑ ▢ | Actions ▾ | Table view: Tree

	FMID/SYSMOD Filter	Description Filter	Type Filter	Target Zone in First Software Instance Filter	Target Zone in Second Software Instance Filter	SYSMOD Received in Global Zone Filter
☐	⊞ HBCNC00	SMP/E Planning and Migration Assistant Software Info Base				
☐	⊞ HBCND0B	SMP/E Planning and Migration Assistant				
☐	⊞ HMP1J00	SMP/E Base				

Total: 16, Selected: 0

[Close] [Hide]

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Step 5e ...

IBM z/OS Management Facility   Welcome shara01

Welcome ×   Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ×   Missing FIXCAT SYSMODs ×   Missing Critical Service ×   Software Instance Comparison ×

Review the list of SYSMODs found in the second software instance, but not in the first software instance. If the software instances need to be at the same service level or contain the same funct target zones in the first software instance.

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL
Second software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

Click Actions, then Expand All

SYSMODs Not Found in First Software Instance

☑ ▢   Actions ▼ │ Table view: Tree

FM		tion	Type Filter	Target Zone in Fi... Instance Filter	get Zone in Second Software Instance Filter	SYSMOD Received in Global Zone Filter

Actions menu:
- Expand
- Collapse
- ☑ Select All
- ▢ Deselect All
- Configure Columns...
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts
- Export Table Data
- Print Table Data ▸
- Expand All
- Collapse All
- Switch to Non-Tree View

Rows:
- ⊞ ...Planning and ...n Assistant ...e Info Base
- ⊞ ...Planning and ...n Assistant
- ⊞ ...Base

Total: 16, Selected: 0

Close   Hide

Similar to REPORT SYSMODs Output displayed in tree table format. The REPORT SYSMODs command only report on GLOBAL zones that are accessible where the command is run. Software Management can compare software instances where either one of them resides ANYWHERE in your enterprise!!!

Maintenance

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕ | Missing ~~~~~~ ... ~~~ Instance Comparison ✕

Review the list of SYSMODs found in the second software instance, but not in the first software instance. If the software instances need to be at the same service level or contain the same functi~ target zones in the first software instance.

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL
Second software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

SYSMODs Not Found in First Software Instance

☑ ☐ | Actions ▾ | Table view: Tree

	FMID/SYSMOD Filter	Description Filter	Type Filter	Target Zone in First Software Instance Filter	Target Zone in Second Software Instance Filter	SYSMOD Received in Global Zone Filter
☐	⊟ HBCNC00	SMP/E Planning and Migration Assistant Software Info Base				
☐	▪ UO01301		PTF	TSMP36	TSMP36P	No
☐	⊟ HBCND0B	SMP/E Planning and Migration Assistant				
☐	▪ UO01185		PTF	TSMP36	TSMP36P	No
☐	▪ UO01268		PTF	TSMP36	TSMP36P	No
☐	▪ UR53091		PTF	TSMP36	TSMP36P	No
☐	⊟ HMP1J00	SMP/E Base				
☐	▪ UAPTF01		USERMOD	TSMP36	TSMP36P	No
☐	▪ UO01198		PTF	TSMP36	TSMP36P	No
☐	▪ UO01245		PTF	TSMP36	TSMP36P	No
☐	▪ UO01247		PTF	TSMP36	TSMP36P	No
☐	▪ UO01253		PTF	TSMP36	TSMP36P	No
☐	▪ UO01264		PTF	TSMP36	TSMP36P	No

Total: 16, Selected: 0

[Close] [Hide]

Step 5f: Report on "Master" Software Instances' Instance Validation

Step 5f

SHARE

IBM z/OS Management Facility   Welcome shara01

Welcome ×	Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ×	Missing FIXCAT SYSMODs ×	Missing Critical Service ×	Software Instance Comparison ×

Review the list of SYSMODs found in the second software instance, bu   in the first software instance. If the software instances need to be at the same service level or contain the same funct target zones in the first software instance.

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system
Second software instance: MASTER_SMPEV3.6_WITH_PTFS on system LOCAL

SYSMODs Not Found in First Software Instance

☑ ⬚ | Actions ▾ | Table view: Tree

Click on the Missing Critical Service tab

FMID/SYSMOD Filter	Description Filter	Type Filter			
⊟ HBCNC00	SMP/E Planning and Migration Assistant Software Info Base				
▪ UO01301		PTF	TSMP36	TSMP36P	No
⊟ HBCND0B	SMP/E Planning and Migration Assistant				
▪ UO01185		PTF	TSMP36	TSMP36P	No
▪ UO01268		PTF	TSMP36	TSMP36P	No
▪ UR53091		PTF	TSMP36	TSMP36P	No
⊟ HMP1J00	SMP/E Base				
▪ UAPTF01		USERMOD	TSMP36	TSMP36P	No
▪ UO01198		PTF	TSMP36	TSMP36P	No
▪ UO01245		PTF	TSMP36	TSMP36P	No
▪ UO01247		PTF	TSMP36	TSMP36P	No
▪ UO01253		PTF	TSMP36	TSMP36P	No
▪ UO01264		PTF	TSMP36	TSMP36P	No

Total: 16, Selected: 0

Close	Hide

Now you will perform two software instance validation. First the simple one, then the more complex software instance.

IBM z/OS Management Facility   Welcome shara01

Welcome × Software Man... ×

Software Management ▸ Software Instances ▸ Maintenanc

Maintenance Reports

SYSMOD Search ×   Missing FIXCAT SYSMODs ×   Miss

Review the list of critical service and determine which se

1. **Make sure the MASTER_SMPV3.6_WITHOUT_PTFS software instance is selected**
2. **Then click Actions, Maintenance Reports, then Software Instance Validation**

☑ ☐	Actions ▼	Match: All filters	Table view: Tree

	View ▸	YSMOD /	System
Sof Mis Filt	Maintenance Reports ▸	End of Service	
	Expand	Software Instance Validation	
	Collapse	Missing FIXCAT SYSMODs	
☑	☐☑ Select All	SYSMOD Search	
☑	☐ Deselect All	Software Instance Comparison...	
☑	Configure Columns...		
☑	Modify Filters...		
	Hide Filter Row		
	Clear Filters		

			Target Zones	Resolving SYSMODs Received in Global Zone	Resolving SYSMODs Not in Global Zone	Hold Class	Hold Sympt
		ved (GMT) Filter	Filter	Filter	Filter	Contains "hiper"	Filter
		January 16, 2012 15:23:46					
			TSMP36	UO01286		HIPER	DAL

The Software Instance Validation report helps you verify that the software libraries that are associated with a software instance exist and contain the appropriate parts. When you generate the Software Instance Validation report, z/OSMF compares the entries in the SMP/E zones for the software instance to the content of the currently accessible DASD volumes, and reports any discrepancies as errors.

This action:
- Will display additional information, not available through batch SMP/E
- Can be performed against software instances throughout your enterprise

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Step 5f …

The results are displayed.

Step 5f …

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Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕ | Missing Critical Service ✕ | Software Instance Comparison ✕ | Software Instance Validation ✕

Selected software instance: MASTER_SMPEV3.6_WITHOUT_PTFS on system LOCAL
Date validated: Jan 29, 2014 5:38:30 PM (Local)

Errors

Actions ▾ | Revalidate

Message ID	Message Text	Data Set Name	
Filter	Filter	Filter	

There is no data to display.

Note: It is expected that no errors will be found for this instance.

Total: 0

Close | Hide

To prepare for the more complex instance validation, you will need to
go back to the Missing FIXCAT SYSMODs tab

IBM z/OS Management Facility

Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕ | Missing Critical Service ✕ | Software Instance Comparison ✕ | Software Instance Validation ✕

Selected software instance: MASTER_SMPEV3.6_WITHOU~~~~~S on system LOCAL
Date validated: Jan 29, 2014 5:38:30 PM (Local)

Errors

Actions ▾ | Revalidate

Message ID	Message Text
Filter	Filter

There is no data to display.

Click on the Missing FIXCAT SYSMODs tab

Total: 0

Close | Hide

Step 5f …

Step 5f …

Step 5f …

This validation will take a few minutes to complete

IBM z/OS Management Facility   Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

SYSMOD Search ✕ | Missing FIXCAT SYSMODs ✕ | Missing Critical Service ✕ | Software Instance Comparison ✕ | Software Instance Validation ✕

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

Actions ▾ | Table view: Tree

Software Instance / Fix Category / FMID / 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	FMID Description Filter
⊞ MASTER_SMPEV3.6_WITH_PTFS	LOCAL	January 16, 2012 15:38:30				
⊞ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012				
⊞ MASTER_ZOSV1.12	LOCAL					
⊞ MASTER_zOS_R13_w/Other_Product	LOCAL					

Validating software instance "MASTER_zOS_R13_w/Other_Product". This request might take several minutes to complete.

52%

[Cancel]

Total: 556, Selected: 318

[Refresh] Last refresh: Jan 29, 2014 3:31:09 PM

[Close] [Hide]

- **If you are in a rush, click on Cancel.**
- **Otherwise, just let it complete.**

Note: Errors were introduced in the software instance to show errors. The kinds of validation errors that are identified include DDDEFs pointing to the wrong data sets, file systems not mounted, or …

Software Instance Validation ✕

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL
Date validated: Sep 23, 2014 10:11:38 AM (Local)

Errors

Actions ▾ | Revalidate

Message ID Filter	Message Text Filter	Data Set Name Filter
⊗ GIM70564E	LMOD ABJDBG was not found in data set DT910.SABJMOD1 on volume SHAR01 from DDDEF entry SABJMOD1 in TARGET zone DT910T.	DT910.SABJMOD1
⊗ GIM70565E	A ALIAS for LMOD CNMCNETV was not found in data set NETVIEW.SCNMLPA1 on volume SHAR01 from DDDEF entry SCNMLPA1 in TARGET zone Z1130T. The ALIAS is CNMNETV.	NETVIEW.SCNMLF
⊗ GIM70562E	SAMP IBMZCPLG was not found in data set PLI410.SIBMZPRC on volume SHAR01 from DDDEF entry SIBMZPRC in TARGET zone PLI410T. The FMID for IBMZCPLG is H270410 and the RMID is H270410.	PLI410.SIBMZPRC
⊗ GIM70567E	A LINK for HFS CDSLM008 was not found in directory /sharelab /SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is HCRY740 and the RMID is HCRY740. The LINK is ../ivp/ocsf_baseivp.	SMLAB01.ROOT
⊗ GIM70567E	A SYMLINK for HFS CDSLM037 was not found in directory /sharelab/SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is JCRY741 and the RMID is JCRY741. The SYMLINK is ../../../../usr /lib/cssmusep.dll.	SMLAB01.ROOT
⊗ GIM70563E	A ALIAS for DATA IRRSPIMH was not found in data set SYS1.SIEAHDR.H on volume SHAR01 from DDDEF entry SIEAHDR in TARGET zone Z1130T. The FMID is HBB7780 and the RMID is HBB7780. The ALIAS is IRRSPIM.	SYS1.SIEAHDR.H

Total: 6

[Close] [Hide]

- **Load module missing from its target library**
- **A load module alias is missing from its target library**
- **An SMP/E SAMP element is missing from its target library**
- **A z/OS UNIX LINK was not found in mounted file systems**
- **A z/OS UNIX SYMLINK was not found in mounted file systems**
- **An alias of an SMP/E DATA element is missing from its target library**

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Step 5f

Welcome sharc30

Welcome × Software Man... ×

Software Management ▸ Software Instances ▸ Maintenance Reports

Maintenance Reports

After reviewing the message, click Software Management 'bread crumb'

Software Instance Validation ×

Selected software instance:	MASTER_zOS_R13_w/Other_Product on system LOCAL
Date validated:	Sep 23, 2014 10:11:38 AM (Local)

Errors

Actions ▾ | Revalidate

Message ID Filter	Message Text Filter	Data Set Name Filter
⊗ GIM70564E	LMOD ABJDBG was not found in data set DT910.SABJMOD1 on volume SHAR01 from DDDEF entry SABJMOD1 in TARGET zone DT910T.	DT910.SABJMOD1
⊗ GIM70565E	A ALIAS for LMOD CNMCNETV was not found in data set NETVIEW.SCNMLPA1 on volume SHAR01 from DDDEF entry SCNMLPA1 in TARGET zone Z1130T. The ALIAS is CNMNETV.	NETVIEW.SCNMLPA1
⊗ GIM70562E	SAMP IBMZCPLG was not found in data set PLI410.SIBMZPRC on volume SHAR01 from DDDEF entry SIBMZPRC in TARGET zone PLI410T. The FMID for IBMZCPLG is H270410 and the RMID is H270410.	PLI410.SIBMZPRC
⊗ GIM70567E	A LINK for HFS CDSLM008 was not found in directory /sharelab /SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is HCRY740 and the RMID is HCRY740. The LINK is ../ivp/ocsf_baseivp.	SMLAB01.ROOT
⊗ GIM70567E	A SYMLINK for HFS CDSLM037 was not found in directory /sharelab/SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is JCRY741 and the RMID is JCRY741. The SYMLINK is ../../../../usr /lib/cssmusep.dll.	SMLAB01.ROOT
⊗ GIM70563E	A ALIAS for DATA IRRSPIMH was not found in data set SYS1.SIEAHDR.H on volume SHAR01 from DDDEF entry SIEAHDR in TARGET zone Z1130T. The FMID is HBB7780 and the RMID is HBB7780. The ALIAS is IRRSPIM.	SYS1.SIEAHDR.H

Total: 6

Step 6: View Products

Step 6

Click on Products

IBM z/OS Management Facility   Welcome shara01

Welcome × | Software Man... ×

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.
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.

A list of installed products is displayed. It can be sorted using ANY column or filtered.

IBM z/OS Management Facility

Software Management

Help

Products

This table lists the products that are installed in at least one software instance where the product information was retrieved. To ensure that this list reflects the latest SMP/E information, use the **Retrieve Product, Feature, and FMID Information** action provided in the Software Instances view. Learn more...

Switch To: ▼

Actions ▼

Product Filter	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Product Inform Filter
System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	✅ Not Announced	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	❌ Sep 30, 2014	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	❌ Oct 3, 2005	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
Debug Tool V9	09.01.00	5655-U27		IBM	Sep 26, 2008	❌ Apr 30, 2012	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
Enterprise PL/I V4	04.01.00	5655-W67		IBM	Sep 24, 2010	❌ Apr 30, 2014	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
z/OS	01.13.00	5694-A01		IBM	Sep 30, 2011	✅ Not Announced	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
AFP FONT COLLECTION FOR S/390	02.01.01	5648-B33		IBM	Oct 27, 2000	✅ Not Announced	http://www-01.ibm.com/co bin/ssialias?infotype=dd& annname=ShonzSeries&h

Total: 27, Selected: 0

Refresh | Last refresh: Feb 5, 2015, 3:43:25 PM

Close

Note: There is no easy way to compile a list of all installed products across your enterprise using SMP/E list commands or query functions.

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For example clicking on Product will sort the table based on product name.

IBM z/OS Management Facility

Software ~~Manage~~

Help

Products

This table lists the products that are installed in at least one software instance where the ~~product information~~ was retrieved. To ensure that this list reflects the latest SMP/E information, use the **Retrieve Product, Feature, and FMID Information** action provided in the Software Instances view. Learn more...

Click on Product

Switch To: ▼

☑ ☐ Actions ▼

Product	Release	Product ID	Messages	Vendor	General Availability	End of Service	Additional Product Inform
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
☐ System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	✅ Not Announced	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
☐ z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	❌ Sep 30, 2014	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
☐ Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	❌ Oct 3, 2005	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
☐ Debug Tool V9	09.01.00	5655-U27		IBM	Sep 26, 2008	❌ Apr 30, 2012	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
☐ Enterprise PL/I V4	04.01.00	5655-W67		IBM	Sep 24, 2010	❌ Apr 30, 2014	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
☐ z/OS	01.13.00	5694-A01		IBM	Sep 30, 2011	✅ Not Announced	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h
☐ AFP FONT COLLECTION FOR S/390	02.01.01	5648-B33		IBM	Oct 27, 2000	✅ Not Announced	http://www-01.ibm.com/co bin/ssialias?infotype=dd& appname=ShopzSeries&h

Total: 27, Selected: 0

Refresh Last refresh: Feb 5, 2015, 3:43:25 PM

Close

The table is now sorted and a triangle point up is now displayed in the Product column heading.

IBM z/OS Management Facility

Log out

Welcome | Software Man... x

Software Management ▸ Products

Help

Products

This table lists the products that are installed in at least one software instance where the product information was retrieved. To ensure that this list reflects the latest SMP/E information, use the **Retrieve Product, Feature, and FMID Information** action provided in the Software Instances view. Learn more...

Switch To: ▼

Actions ▼

Product ▲ Filter	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Product Inform Filter
AFP FONT COLLECTION FOR S/390	02.01.01	5648-B33		IBM	Oct 27, 2000	✅ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries8
DITTO/ESA FOR MVS	01.03.00	5655-103		IBM	Jun 25, 1999	✅ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries8
Debug Tool V12	12.01.00	5655-W70		IBM	May 11, 2012	✅ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries8
Debug Tool V9							...1.ibm.com/c ?infotype=dd hopzSeries8
Enterprise COBOL V4							...1.ibm.com/c ?infotype=dd hopzSeries8
Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	❌ Oct 3, 2005	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries8
Enterprise PL/I V4	04.01.00	5655-W67		IBM	Sep 24, 2010	⚠ Apr 30, 2014	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries8

Total: 27, Selected: 0

Refresh | Last refresh: Jan 29, 2014 5:56:32 PM

Close

Again, you can click the Additional Product Information link and view the IBM Sales Manual description of the product in another tab of your browser session

Step 6 …

Step 6 …

IBM z/OS Management Facility   Welcome shara01   Log out   IBM.

| Welcome × | Software Man... × |

Software Management ▸ Products   Help

Products

This table lists the products that are installed in at least one software instance where the product information was retrie̶̶̶̶̶̶̶̶̶ list reflects the latest SMP/E information, use the **Retrieve Product, Feature, and FMID Information** action provided in the Software Instances view. Learn more...

> **Click Actions, View, and then Software Instances**

Switch To: ▼

Actions ▼								
View ▸	Software Instances		**Product ID**	**Messages**	**Vendor**	**General Availability**	**End of Service**	**Additional Product Inform**
Show Hidden Maintenance Reports	Filter	Filter	Filter	Filter	Filter	Filter	Filter
Retrieve End of Service Information...								
☑ Select All		02.01.01	5648-B33		IBM	Oct 27, 2000	☑ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&
☐ Deselect All								
Configure Columns...		01.03.00	5655-103		IBM	Jun 25, 1999	☑ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&
Modify Filters...								
Hide Filter Row		12.01.00	5655-W70		IBM	May 11, 2012	☑ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&
Clear Filters								
Modify Sort...		09.01.00	5655-U27		IBM	Sep 26, 2008	❌ Apr 30, 2012	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&
Clear Sorts								
☑	Enterprise COBOL V4	04.02.00	5655-S71		IBM	Aug 28, 2009	☑ Not Announced	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&
☑	Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	❌ Oct 3, 2005	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&
☑	Enterprise PL/I V4	04.01.00	5655-W67		IBM	Sep 24, 2010	⚠ Apr 30, 2014	http://www-01.ibm.com/c bin/ssialias?infotype=dd appname=ShopzSeries&

Total: 27, Selected: 27

Refresh   Last refresh: Jan 29, 2014 5:56:32 PM

Close

For each product, __all__ the software instances where that product is installed will be displayed.

IBM z/OS Management Facility Welcome shara01

Welcome ✕ | Software Man... ✕

Software Management ▸ Products ▸ View Software Instances

View Software Instances by Product

Software Instances by Product

☑ ▢ | Actions ▾ | Table view: Tree

Product / Software Instance	Release	Product ID	Messages	Vendor	General Availability	End of Service	Addit
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
⊞ System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	✅ Not Announced	http:// bin/ss appna
⊞ z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	⚠️ Sep 30, 2014	http:// bin/ss appna
⊞ Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	❌ Oct 3, 2005	http:// bin/ss appna
⊞ Debug Tool V9	09.01.00	5655-U27		IBM	Sep 26, 2008	❌ Apr 30, 2012	http:// bin/ss appna
⊞ Enterprise PL/I V4	04.01.00	5655-W67		IBM	Sep 24, 2010	⚠️ Apr 30, 2014	http:// bin/ss appna
⊞ z/OS	01.13.00	5694-A01		IBM	Sep 30, 2011	✅ Not Announced	http:// bin/ss appna
⊞ AFP FONT COLLECTION FOR S/390	02.01.01	5648-B33		IBM	Oct 27, 2000	✅ Not Announced	http:// bin/ss appna
⊞ Debug Tool V12	12.01.00	5655-W70		IBM	May 11, 2012	✅ Not Announced	http:// bin/ss appna

Total: 55, Selected: 0

Refresh | Last refresh: Jan 29, 2014 6:20:54 PM

Close

Step 6 …

Click Actions, then Expand All

Step 6 ...

IBM z/OS Management F

Welcome ✕ | Software Man...

Software Management ▸ Product...

View Software Instances by Product

Software Instances by Product

☑ ▢ | Actions ▼ | Table view: Tree

Product / Software Instance	Release	Product ID	Messages	Vendor	General Availability	End of Service	Additi
Filter	Filter	Filter	Filter	Filter	Filter	Filter	Filter
☐ ⊟ System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	☑ Not Announced	http:// bin/ss appna
☐ ■ MASTER_SMPEV3.6_WITHOUT_PTFS							
☐ ■ MASTER_SMPEV3.6_WITH_PTFS							
☐ ⊟ z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	⚠ Sep 30, 2014	http:// bin/ss appna
☐ ■ MASTER_ZOSV1.12							
☐ ⊟ Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	⊗ Oct 3, 2005	http:// bin/ss appna

Total: 55, Selected: 0

Refresh | Last refresh: Jan 29, 2014 6:20:54 PM

Close

You can scroll right

Note: It is common to have the same product installed in multiple software instances. However, these products with announced end of service dates are only installed in one software instance.

Step 6 …

This column shows the system where the software instance is accessible from. Unfortunately for the lab you only have access to one local system.

IBM z/OS Management Facility

Welcome ✕ | Software Man… ✕

Software Management ▸ Products ▸ View Software Instances

View Software Instances by Product

Software Instances by Product

☑ ☐ | Actions ▾ | Table view: Tree

Product / Software Instance Filter	System Filter	Description Filter	Activity Filter	Global Zone CSI Filter	Target Zones Filter	Categories Filter	Product, Feature, and FMID Information Retrieved (Local) Filter
⊟ System Modification Program Extended for z/OS							
▪ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36		Aug 10, 2013 7:28:52 PM
▪ MASTER_SMPEV3.6_WITH_PTFS	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P		Oct 23, 2013 4:52:04 PM
⊟ z/OS							
▪ MASTER_ZOSV1.12	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TGTZ12		Aug 12, 2013 3:56:18 PM
⊟ Enterprise COBOL for z/OS and OS/390							

Close

You can scroll right to see who created and who last modified the software instance

Step 7: Deployments

Step 7

| Welcome ✕ | Software Man... ✕ |

Software Management ▸ Products ▸ View Software Instances

View Software Instances by Product

Software Instances by Product

☑ ☐ | Actions ▼ | Table view: Tree

> **Click on the Software Management 'bread crumb' (again)**

Product / Software Instance Filter	System Filter	Description Filter	Filter	Filter	Filter	Filter	duct, Feature, and FMID Information Retrieved (Local) Filter
☐ System Modification Program Extended for z/OS							
☐ ■ MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI TSMP36			Aug 10, 2013 7:28:52 PM
☐ ■ MASTER_SMPEV3.6_WITH_PTFS	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI TSMP36P			Oct 23, 2013 4:52:04 PM
☐ z/OS							
☐ ■ MASTER_ZOSV1.12	LOCAL	Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.		ZOSMF.SWDEPLOY.GLOBAL.CSI TGTZ12			Aug 12, 2013 3:56:18 PM
☐ Enterprise COBOL for z/OS and OS/390							
☐ ■ MASTER_CO_R10	LOCAL						

Total: 55, Selected: 0

Refresh Last refresh: Jan 29, 2014 6:20:54 PM

Close

Step 7 …

Select Deployments

IBM z/OS Management Facility

Welcome shara01

Welcome ✕ | Software Man... ✕

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.
Products	View a consolidated list of the products included in each software instance.
Deployments	Deploy a software instance, and manage existing deployments.
Categories	Create new categories for your software instances and deployments, and manage existing categories.
Settings	Select the time zone in which to display date and time data. Indicate whether to display or suppress information messages.

Step 7 …

You see a complete list of deployments.

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

Click Actions, then New …

Step 7 …

IBM z/OS Management Facility   Welcome sharc30

Welcome ✕	Software Man... ✕

Software Management ▸ Deployments ▸ Deployment Checklist

Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

Progress	Step
⇨	1. Specify the properties for this deployment.
	2. Select the software instance to deploy.
	3. Select the objective for this deployment.
	4. Check for missing SYSMODs. • View missing SYSMOD reports.
	5. Configure this deployment.
	6. Define the job settings. z/OSMF creates the deployment summary and jobs. • View the deployment summary.
	7. Submit deployment jobs.
	8. Specify the properties for the target software i

After reviewing the information, Click Close

Close

Complete y

Note: A separate lab is required to demonstrate how to add a software instance and perform a deployment. Lucky for you there is a z/OSMF Software Deployment Hands-on Lab for you to try at this conference!!! Go ahead and get the handout and try the lab.

Exercise Review and Wrap-Up

You now know how to:

– Logon to z/OSMF and invoke software management
– Add a Software Instance
– Change the Software Management specific "Settings"
– View Products, Features, and FMIDs for a software instance
– View software instance properties
– View data sets and UNIX filesystem information for a software instance
– Report on the End of Service for multiple software instances
– Search multiple software instances for one or more SYSMODs
– Generate a missing FIXCAT report for multiple software instances
– Generate a missing Critical fix report for multiple software instances
– Compare two software instances
– Validate a software instance
– View products installed in ANY software instance

Thank You

Additional information

- **z/OS Management Facility website**
  - http://www-03.ibm.com/systems/z/os/zos/features/zosmf/index.html
- **IBM z/OS Management Facility Browser Compatibility**
  - http://www-03.ibm.com/systems/z/os/zos/features/zosmf/browser_notes.html
- **z/OS Management Facility Publications**
  - http://www-03.ibm.com/systems/z/os/zos/features/zosmf/moreinfo/
    - **Program Directory for z/OS Management Facility (GI11-9847)**
    - **IBM z/OS Management Facility Configuration Guide (SA38-0657)**
    - **IBM z/OS Management Facility Programming (SA32-1066)**
- **z/OS Management Facility Resource Requirements**
  - http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP101779
- **z/OS Management Facility Downloads**
  - http://www-03.ibm.com/systems/z/os/zos/features/zosmf/downloads/

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