



# z/OSMF Software Management Hands On Lab

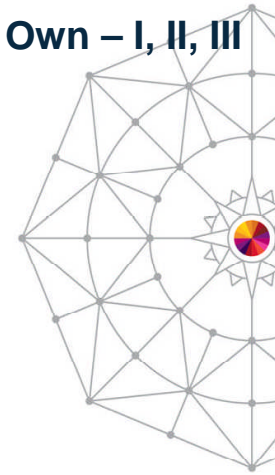
**z/OSMF Hands-On Labs - Choose Your Own – I, II, III**

**Estimated Lab Time: 30-35 minutes**

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**IBM Corporation**

**August 6-8, 2014**

**Session Numbers: 15814, 15815, 15604**



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# Agenda

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- **Lab Objective**
- **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 Objectives and Hints and Tips

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- Use z/OSMF to view and report on previously defined software instances
- Gain familiarity in using the z/OSMF application

### 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
- Please note: **Do NOT use the Browser BACK button to go to the prior screen!!!**
- Also note that if you change the browser display size (Ctrl/+, or Ctrl/-) then what you see may not exactly match the handout.

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## z/OSMF Software Management

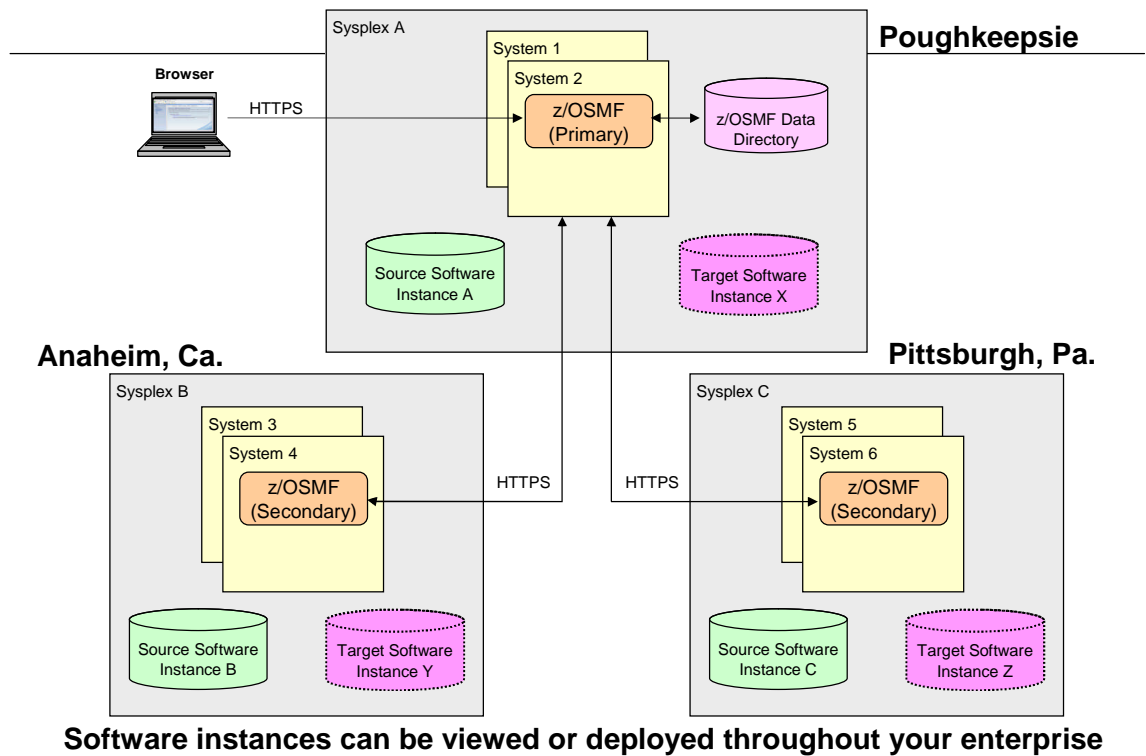
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- z/OSMF V1.13 introduced a Software Deployment function
  - Introduced a concept of a software instance
- IBM introduced a Software Management task that extends the Software Deployment task to provide additional actions on software instances.
  - z/OSMF PTFs UK79887, UK83841, UK83825, UK83828, UK83833, UK83836, UK83842, and UK83852
- This function was integrated and enhanced in z/OSMF V2.1
  - **This lab will use a z/OSMF V2.1 system with z/OSMF PTF UI16044 and its requisites installed**

## z/OSMF Software Management ...

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- 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.



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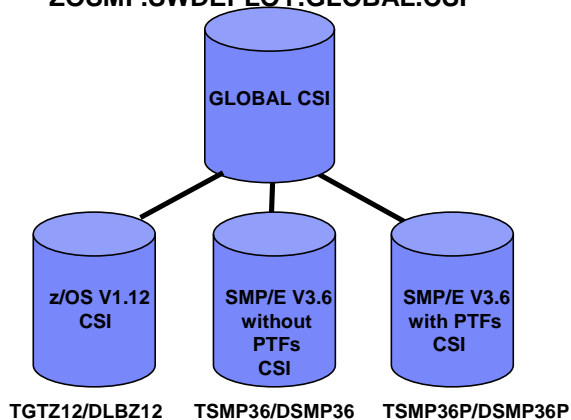
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## Lab SMP/E Environment

Four (4) "Master" Software Instances

- 1.MASTER\_ZOSV1.12
- 2.MASTER\_SMPEV3.6\_WITHOUT\_PTFS
- 3.MASTER\_SMPEV3.6\_WITH\_PTFS
- 4.MASTER\_zOS\_R13\_w/Other\_Products

ZOSMF.SWDEPLOY.GLOBAL.CSI



SMLAB01.GLOBAL.CSI



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

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

## Step 1: Log in to z/OSMF

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- **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
    - SHARAnn (where nn is 01 - 20)
    - 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 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 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

Software

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

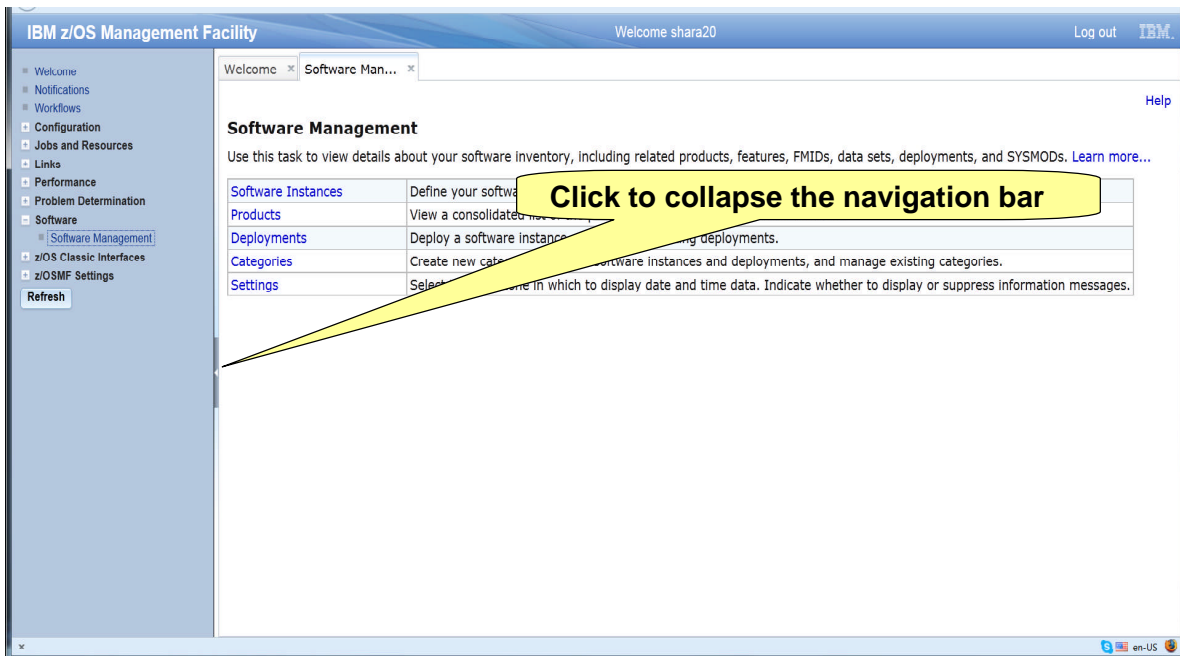
Check browser and operating system

## Step 1: Invoke Software Management ...

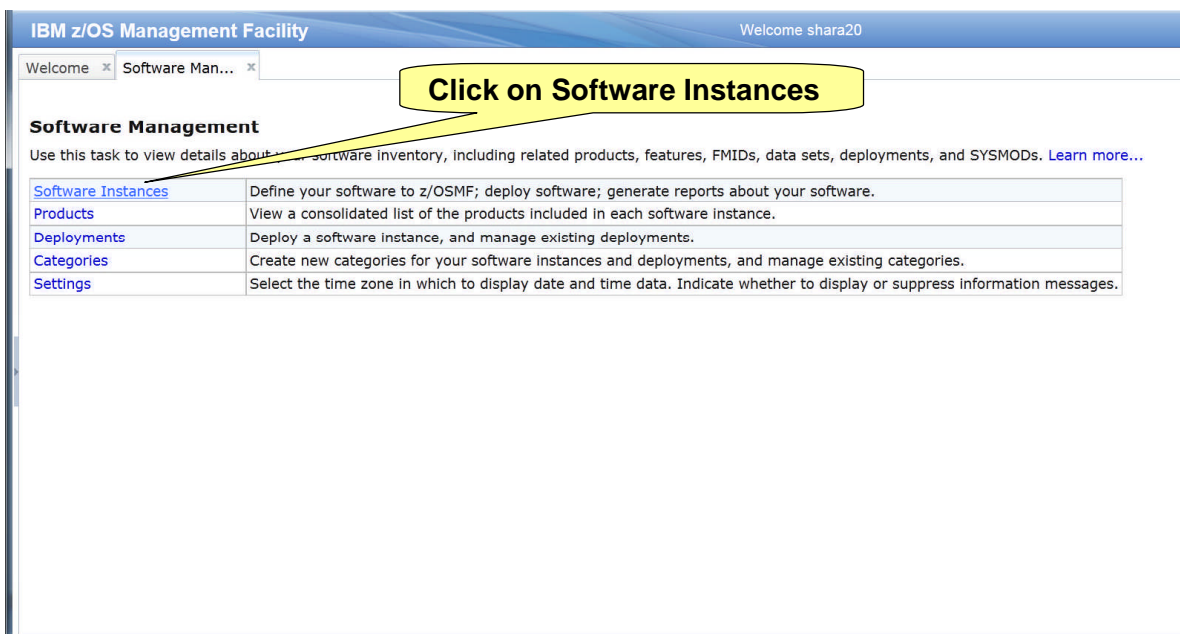


## Step 2: Add a Software Instance

## Step 2: Collapse the Navigation Bar



## Step 2: View Software Instances



You will see a list of software instances already defined

The screenshot shows the 'Software Instances' page in the IBM z/OS Management Facility. The page title is 'Software Instances'. Below the title, there are tabs for 'Name Filter', 'System Filter', 'Messages Filter', and 'Description Filter'. A table lists several software instances. Callouts point to specific instances:

- Source Software Instance for Deployment Lab**: Points to the 'MASTER\_SMPEV3.6\_WITH\_PTF' instance.
- Other Software Instance used to check dependencies**: Points to the 'MASTER\_SMPEV3.6\_WITHOUT\_PTF' instance.
- “Extra” Software Instance created from a deployment**: Points to the 'MASTER\_ZOSV1.12' instance.
- Software Instance created for this lab**: Points to the 'MASTER\_ZOS\_R13\_w/Other\_Prod' instance.

The table has columns: Name, System, Messages, Description, Global Zone CSI, Target Zones, and Categories. The instances listed are:

| Name                        | System | Messages | Description  | Global Zone CSI           | 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_PTF | 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_PTF      | LOCAL  |          | Completed demo software instance, of SMP/E V3.6 with PTFs.   | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36N                         |            |
| MASTER_ZOS_R13_w/Other_Prod | LOCAL  |          | z/OS V1.13 with over 20 other products to be used during the   | SMLAB01.GLOBAL.CSI        | COB320T, DT910T, PL410T, Z1130T |            |

Total: 5, Selected: 0  
Refresh Last refresh: Apr 3, 2014 10:38:13 AM  
Close

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## Step 2: Add a Software Instance

The screenshot shows the 'Software Instances' page in the IBM z/OS Management Facility. The page title is 'Software Instances'. Below the title, there are tabs for 'Name Filter', 'System Filter', 'Messages Filter', and 'Description Filter'. A table lists several software instances. Callouts point to specific instances:

- After reading, click Actions, then Add...**: Points to the 'Add...' option in the 'Actions' dropdown menu.

The table has columns: Name, System, Messages, Description, Activity, Global Zone CSI, Target Zones, and Categories. The instances listed are:

| Name                        | System | Messages | Description  | Activity | Global Zone CSI           | 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_PTF | 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_PTF      | LOCAL  |          | Completed demo software instance, of SMP/E V3.6 with PTFs.   |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36N                         |            |
| MASTER_ZOS_R13_w/Other_Prod | LOCAL  |          | z/OS V1.13 with over 20 other products to be used during the   |          | SMLAB01.GLOBAL.CSI        | COB320T, DT910T, PL410T, Z1130T |            |

Total: 5, Selected: 0  
Refresh Last refresh: Apr 3, 2014 10:38:13 AM  
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

The screenshot shows the 'Add Software Instance' wizard in the IBM z/OS Management Facility. The breadcrumb trail is 'Software Management > Software Instances > Add Software Instance'. The left sidebar lists the steps: Welcome, Name and Description, Global Zone, Target Zones, Categories, Non-SMP/E Managed Data Sets, and Summary. The main content area is titled 'Welcome' and contains the following text:

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.

At the bottom, there are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'. A yellow callout bubble points to the 'Next >' button with the text 'After reviewing, click Next'.

## Step 2: Add a Software Instance ...

The screenshot shows the 'Add Software Instance' wizard in the IBM z/OS Management Facility, Step 2: Name and Description. The breadcrumb trail is 'Software Management > Software Instances > Add Software Instance'. The left sidebar lists the steps: Welcome, Name and Description, Global Zone, Target Zones, Categories, Non-SMP/E Managed Data Sets, and Summary. The main content area is titled 'Name and Description' and contains the following text:

Enter the name and description of the software instance.

Name:

SI IARA20\_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.

A yellow callout bubble points to the 'Name' field with the text 'Enter Software Instance Name' and a list of instructions:

- It should begin with your User ID
- Use underscore (" \_ ") instead of blanks
- Optionally enter a description

A yellow callout bubble points to the 'Next >' button with the text 'After entering, click Next'.

A yellow callout bubble points to the 'Description' field with the text: '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.'

At the bottom, there are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'.

## 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.

IBM z/OS Management Facility

Welcome | Software Man... | Add Software Instance

Software Management > Software Instances > Add Software Instance

**Add Software Instance**

Global Zone

Select the global zone CSI associated with the product set.

Global Zones

| CSI Data Set Filter                             | System Filter | Description Filter   | Activity Filter | Last Modified (Local) Filter | Modified By Filter | Locked (Local) Filter |
|---|---------------|--|-----------------|------------------------------|--------------------|-----------------------|
| <input type="radio"/> ZOSMF.SWDEPLOY.GLOBAL.CSI | LOCAL         | Master GLOBAL CSI for Software Deployment Lab                |                 | Jan 5, 2012 10:32:12 AM      | MFUSR01            |                       |
| <input type="radio"/> SMLAB01.GLOBAL.CSI        | LOCAL         | Global zone data set from 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

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## Step 2: Add a Software Instance ...

Click Actions, then Add...

IBM z/OS Management Facility

Welcome | Software Man... | Add Software Instance

Software Management > Software Instances > Add Software Instance

**Add Software Instance**

Global Zone

Select the global zone CSI associated with the product set.

Global Zones

| CSI Data Set Filter                      | System Filter | Description Filter   | Activity Filter | Last Modified (Local) Filter | Modified By Filter | Locked (Local) Filter |
|--|---------------|--|-----------------|------------------------------|--------------------|-----------------------|
| <input type="radio"/> GLOBAL.CSI         | LOCAL         | Master GLOBAL CSI for Software Deployment Lab                |                 | Jan 5, 2012 10:32:12 AM      | MFUSR01            |                       |
| <input type="radio"/> SMLAB01.GLOBAL.CSI | LOCAL         | Global zone data set from 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

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## Step 2: Add a Software Instance ...

The screenshot shows the 'Add Global Zone' dialog box in the IBM z/OS Management Facility. The 'System' dropdown is set to 'LOCAL'. The 'Global Zone CSI Data Set' field contains 'SHARA20.SMPELAB.GLOBAL.CSI'. The 'Description' field contains a text entry. The 'OK' button is highlighted.

**Select Local**

**Then enter SHARA20.SMPELAB.GLOBAL.CSI**

**Optionally enter a description**

**Then click OK**

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## Step 2: Add a Software Instance ...

The screenshot shows the 'Add Software Instance' dialog box in the IBM z/OS Management Facility. The 'Global Zone' tab is selected. A table lists three Global Zones. The second row, 'SHARA20.SMPELAB.GLOBAL.CSI', is selected. The 'Next' button is highlighted.

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

| CSI Data Set               | System | Description  | Activity | Last Modified (Local)   | Modified By | Locked (L) |
|----------------------------|--------|--|----------|-------------------------|-------------|------------|
| 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 DLUB zones defined that was created for this lab. |          | Apr 3, 2014 11:06:09 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     |            |

**Then click Next**

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## 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)

**Add Software Instance**

Target Zones

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

| Name Filter                     | Description Filter | Messages Filter | Related DLIB Zone Filter | CSI Data Set Filter        | SRE Filter |
|---------------------------------|--------------------|-----------------|--------------------------|----------------------------|------------|
| <input type="checkbox"/> DB2V8T |                    |                 | DB2V8D                   | SHARA20.SMPELAB.DB2V8.CSI  | P11: Z03   |
| <input type="checkbox"/> IRLMT  |                    |                 | IRLMD                    | SHARA20.SMPELAB.DB2V8.CSI  | P11: Z03   |
| <input type="checkbox"/> MQ531T |                    |                 | MQ531D                   | SHARA20.SMPELAB.DB2V8.CSI  | P11: Z03   |
| <input type="checkbox"/> TARGET |                    |                 | DLIB                     | SHARA20.SMPELAB.TARGET.CSI | Z03        |
| <input type="checkbox"/> 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

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## Step 2: Add a Software Instance ...

**Add Software Instance**

Target Zones

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

| Name Filter                                | Description Filter | Messages Filter | Related DLIB Zone Filter | CSI Data Set Filter        | SREs Filter |
|--|--------------------|-----------------|--------------------------|----------------------------|-------------|
| <input checked="" type="checkbox"/> DB2V8T |                    |                 | DB2V8D                   | SHARA20.SMPELAB.DB2V8.CSI  | P115, Z038  |
| <input checked="" type="checkbox"/> IRLMT  |                    |                 | IRLMD                    | SHARA20.SMPELAB.DB2V8.CSI  | P115, Z038  |
| <input checked="" type="checkbox"/> MQ531T |                    |                 | MQ531D                   | SHARA20.SMPELAB.DB2V8.CSI  | P115, Z038  |
| <input checked="" type="checkbox"/> TARGET |                    |                 | DLIB                     | SHARA20.SMPELAB.TARGET.CSI | Z038        |
| <input checked="" type="checkbox"/> ZOS19T |                    |                 | ZOS10D                   | 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

Click ☒ to select all target zones

Then click Next

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## 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.

Software Management > Software Instances > Add Software Instance

**Add Software Instance**

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 location, or geographic location. Select one or more categories to assign to the software instance.

| 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

Software Management > Software Instances > Add Software Instance

**Add Software Instance**

Non-SMP/E Managed Data Sets

z/OSMF automatically includes a data set in the software instance if it is updated by SMP/E and is associated with the software in the software instance. If you have a data set associated with the software in the software instance, such as a procedure library, configuration file, or vendor product, use the Add action to explicitly add it to the software instance.

| 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

< Back Next > Finish Cancel

Click Actions, then Add...

## 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 has these PTFs installed so you get to use the new function.

## Step 2: Add a Software Instance ...

The screenshot shows the 'Add Data Set' dialog in the IBM z/OS Management Facility. The dialog has a title bar 'IBM z/OS Management Facility' and a subtitle 'Welcome shara20'. The main content area is titled 'Add Data Set' and contains the following elements:

- A text input field for 'Data set name qualifier' containing 'SHARA20.SPF\*'. A yellow callout bubble points to this field with the text 'Enter SHARAnn.SPF\*'. Below this field is a 'Filter' button.
- A 'Volume' dropdown menu set to 'Select or type'. A yellow callout bubble points to this dropdown with the text 'Do NOT enter a volume'.
- A 'Maximum data sets' input field set to '750'.
- A 'Search' button. A yellow callout bubble points to this button with the text 'Then click Search'.
- A table titled 'Select Data Sets to Add' with columns 'Data Set Name' and 'Volume'. The table is currently empty, with the text 'There is no data to display.' below it.
- At the bottom, there are 'OK' and 'Cancel' buttons.



## Step 2: Add a Software Instance ...

The screenshot shows the 'Add Data Set' screen in the IBM z/OS Management Facility. The breadcrumb trail is 'Software Management > Software Instances > Add Software Instance > Add Data Set'. The 'Data set name qualifier' is 'SHARA20.SPF\*'. The 'Volume' is 'Select or type'. The '\*Maximum data sets' is '750'. A 'Search' button is present. Below the search fields, a message box states: 'There is no data to display. Retrieving information about the data sets that match the search criteria. This request might take several minutes to complete.' A 'Cancel' button is in the message box. A yellow callout bubble points to the 'Cancel' button with the text: 'Pop-up window to alert you that this might take a few minutes, and allow you to cancel'.

IBM z/OS Management Facility

Welcome shara20

Log out IBM

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 name qualifiers, select [Learn more...](#)

Data set name qualifier: SHARA20.SPF\*

Volume: Select or type

\*Maximum data sets: 750

Search

Select Data Sets to Add

There is no data to display.

Retrieving information about the data sets that match the search criteria. This request might take several minutes to complete.

Cancel

Total: 0, Selected: 0

OK 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.

The screenshot shows the 'Add Data Set' screen in the IBM z/OS Management Facility. The breadcrumb trail is 'Software Management > Software Instances > Add Software Instance > Add Data Set'. The 'Data set name qualifier' is 'SHARA20.SPF\*'. The 'Volume' is 'Select or type'. The '\*Maximum data sets' is '750'. A 'Search' button is present. Below the search fields, a table lists the data sets to be added. The table has two columns: 'Data Set Name' and 'Volume'. The data sets are: SHARA20.SPF1.LIST (SHTSO4), SHARA20.SPFTEMP3.LIST (SHTSO3), SHARA20.SPFLOG1.LIST (SHTSO3), and SHARA20.SPF.ISPPROF (SHTSO7). A 'Total: 4, Selected: 0' message is at the bottom. 'OK' and 'Cancel' buttons are at the bottom.

IBM z/OS Management Facility

Welcome shara20

Log out IBM

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 name qualifiers, select [Learn more...](#)

Data set name qualifier: SHARA20.SPF\*

Volume: Select or type

\*Maximum data sets: 750

Search

Select Data Sets to Add

| Data Set Name         | Volume |
|-----------------------|--------|
| 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

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 name

Data set name qualifier: SHARA20.SPF\* Volume: Select or type \*Maximum data sets: 750 Search

Select Data Sets to Add

| Data Set Name         | Volume |
|-----------------------|--------|
| SHARA20.SPF1.LIST     | SHTSO4 |
| SHARA20.SPFTFMP3.LIST | SHTSO3 |
| SHARA20.SPFLOG1.LIST  | SHTSO3 |
| SHARA20.SPFISPPROF    | SHTSO7 |

Total: 4, Selected: 4

OK Cancel

Then click OK

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## 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

Software Management > Software Instances > Add Software Instance

**Add Software Instance**

Non-SMP/E Managed Data Sets

z/OSMF automatically includes a data set in the software instance if it is updated by SMP/E and is associated with the software in the software instance. If you have a data set associated with the software in the software instance, such as a procedure library, configuration file, or vendor product, use the Add action to explicitly add it to the software instance.

Data Sets

| Name                  | Volume |
|-----------------------|--------|
| SHARA20.SPFISPPROF    |        |
| SHARA20.SPF1.LIST     |        |
| SHARA20.SPFLOG1.LIST  |        |
| SHARA20.SPFTFMP3.LIST |        |

Total: 4, Selected: 0

< Back Next > Finish Cancel

After reviewing, click Next

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## 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.

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  
TAMUET  
SOB19T

Categories:  
There is no data to display.

Non-SMP/E Managed Data Sets

< Back Next > Finish Cancel

## Step 2: Add a Software Instance ...

IBM z/OS Management Facility

Welcome shara20

Log out IBM

Software Management > Software Instances

Software Instances

Messages 1

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:

| Name                    | System | Messages | Description   | Activity | Global Zone CSI            | Target Zones                          | Categories | Product, Feature, and FMID Information Retrieved (Local) | Last Modified |
|-------------------------|--------|----------|---|----------|----------------------------|---------------------------------------|------------|--|---------------|
| MASTER_ZOSV1.12         | LOCAL  |          | Source Software Instance for the z/OSMF Software Deployment |          | ZOSMF-SWDEPLOY.GLOBAL.CSI  | TGTZ12                                |            | Aug 12, 2013 3:56:16 PM                                  | Jun 1         |
| DEMO_SMPEV3.6_WITH_PTFs | LOCAL  |          | PTFs  |          | SHARA20.SMPELAB.GLOBAL.CSI | DB2V8T, IRLMT, MQ531T, TAMUET, SOB19T |            | Apr 3, 2014 11:43:24 AM                                  | Apr 3         |
| SHARA20_Dummy_SWI       | LOCAL  |          |   |          |                            |                                       |            |  |               |
| MASTER_ZOS_R1           |        |          |   |          |                            |                                       |            |  |               |

Total: 6, Selected: 1

Refresh Last refresh: Apr 3, 2014 11:44:32 AM

Close

## 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.

The screenshot shows the IBM Software Management console. At the top, a message bar displays: "IZUD1641: The product, feature, and FMID information for software instance "SHARA20\_Dummy\_SWI" on system "LOCAL" was retrieved." Below this is a table of software instances. A yellow callout box highlights two actions: "You can click on the message ID for more details" and "You can click on 'Close All' to remove the messages". Another yellow callout box points to the "Close" button at the bottom of the console, with the text "Click Close".

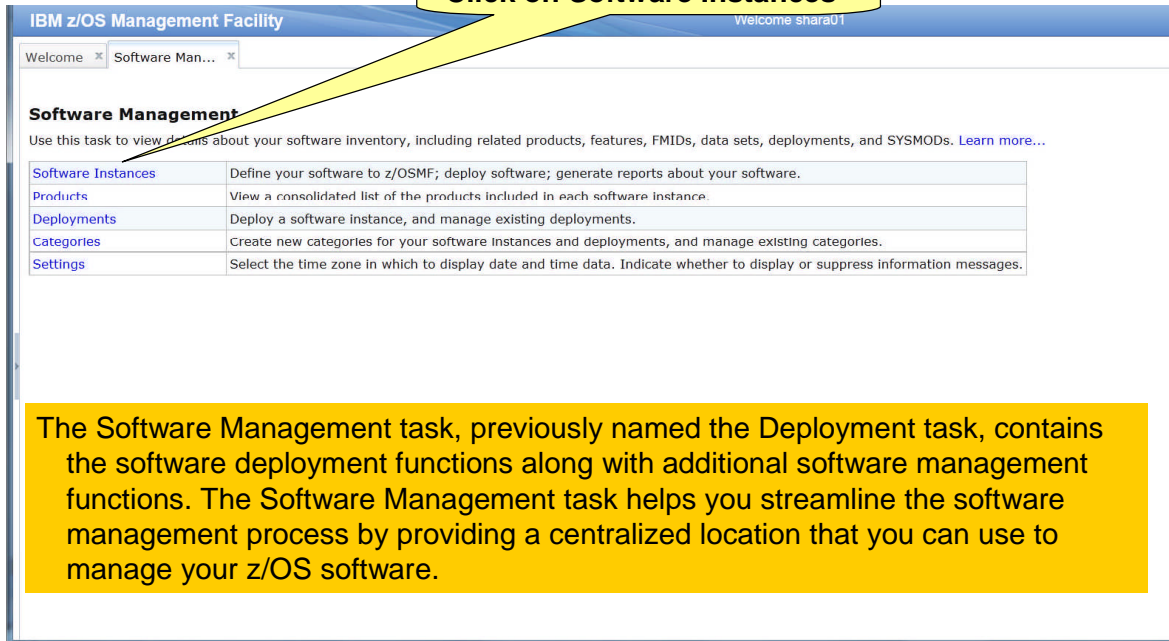
| Name                      | Filter | Product, Feature, and FMID   | Last M                  |
|---------------------------|--------|--|-------------------------|
| MASTER_ZOSV1.12           | LOCAL  | Source Software instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105. | Aug 12, 2013 3:56:18 PM |
| DEMO_SMP36_WITH_PTFS      | LOCAL  | Completed demo software instance, of SMP36 with PTFS.  | Jul 1                   |
| SHARA20 Dummy SWI         | LOCAL  | This is a dummy software instance used to demonstrate how "easy" it is to add a software instance.             | Apr 3, 2014 11:43:24 AM |
| MASTER_ZOS_R13_wOther_Pro | LOCAL  | z/OS V1.13 with over 20 other products to be used during the z/OSMF Software Management Lab                    | Oct 23, 2013 4:41:01 PM |

## 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.

## Step 3

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...](#)

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

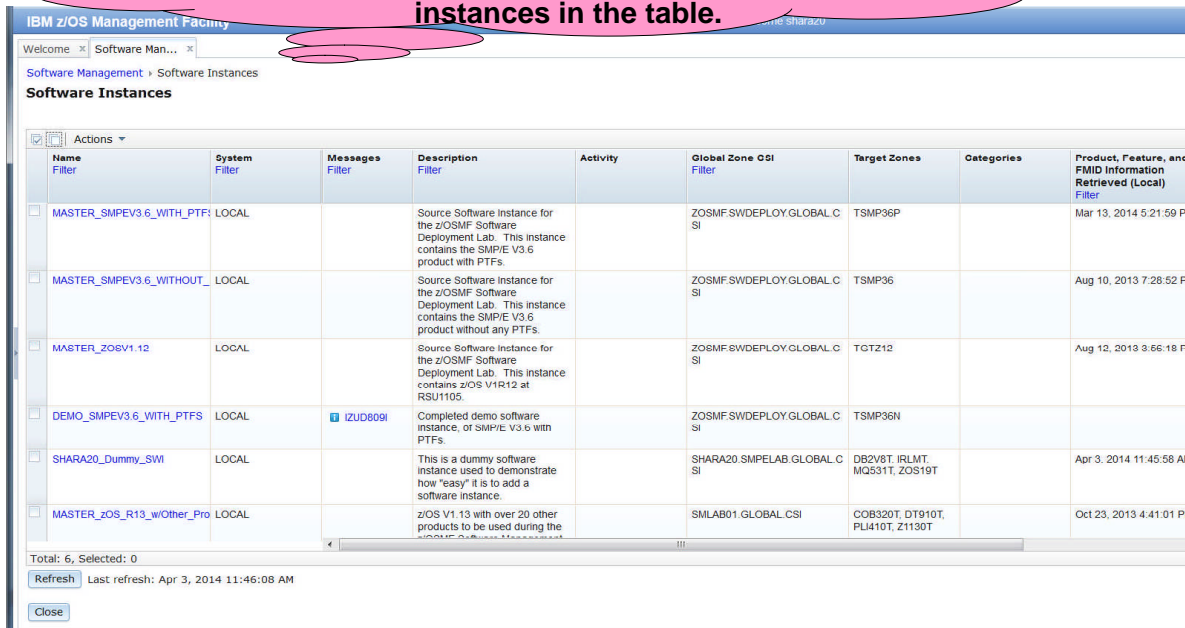
The Software Management task, previously named the Deployment task, contains the software deployment functions along with additional software management functions. The Software Management task helps you streamline the software management process by providing a centralized location that you can use to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

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## Step 3 ...

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



**Software Instances**

| Name Filter  | System Filter | Messages Filter          | Description Filter   | Activity | Global Zone CSI Filter     | Target Zones                  | Categories | Product, Feature, and FMID Information Retrieved (Local) Filter |
|--|---------------|--------------------------|--|----------|----------------------------|-------------------------------|------------|---|
| <input type="checkbox"/> 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                       |            | Mar 13, 2014 5:21:59 PM   |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTF | 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   |
| <input type="checkbox"/> MASTER_ZOSV1.12             | 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  | TGT212                        |            | Aug 12, 2013 3:56:18 PM   |
| <input type="checkbox"/> DEMO_SMPEV3.6_WITH_PTFs     | LOCAL         | <a href="#">IZUD809I</a> | Completed demo software instance, or SMP/E V3.6 with PTFs.   |          | ZOSMF.SWDEPLOY.GLOBAL.CSI  | TSMP36N                       |            |   |
| <input type="checkbox"/> 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.ZOS19T    |            | Apr 3, 2014 11:45:58 AM   |
| <input type="checkbox"/> MASTER_ZOS_V1.13_wOther_Pro | LOCAL         |                          | z/OS V1.13 with over 20 other products to be used during the z/OS V1.13 PTFs.  |          | SMLAB01.GLOBAL.CSI         | COB320T.DT910T.PLJ410T.Z1130T |            | Oct 23, 2013 4:41:01 PM   |

Total: 6, Selected: 0

[Refresh](#) Last refresh: Apr 3, 2014 11:46:08 AM

[Close](#)

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

IBM z/OS Management Facility

Welcome | Software Man... |

Software Management > Software Instances

**Software Instances**

Click on Filter under Name

| Name<br>Filter                                       | System<br>Filter | Messages<br>Filter | Description<br>Filter  | Activity | Global Zone CSI<br>Filter | Target Zones                     | Categories |
|--|------------------|--------------------|--|----------|---------------------------|----------------------------------|------------|
| <input type="checkbox"/> 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                          |            |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTF | LOCAL            |                    | Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs. |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36                           |            |
| <input type="checkbox"/> 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                           |            |
| <input type="checkbox"/> DEMO_SMPEV3.6_WITH_PTFs     | LOCAL            | IZUD809I           | Completed demo software instance, of SMP/E V3.6 with PTFs.   |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36N                          |            |
| <input type="checkbox"/> MASTER_zOS_R13_wOther_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: 5, Selected: 0

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

Close

## Step 3 ...

IBM z/OS Management Facility

Welcome | Software Man... |

Software Management > Software Instances

**Software Instances**

Enter “Master” to only display the \*MASTER\* software instances  
Note: It is not case sensitive

Then click OK

| Name<br>Filter                                       | System<br>Filter | Messages<br>Filter | Description<br>Filter  | Activity | Global Zone CSI<br>Filter | Target Zones                     | Categories |
|--|------------------|--------------------|--|----------|---------------------------|----------------------------------|------------|
| <input type="checkbox"/> 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                          |            |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTF | LOCAL            |                    | Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs. |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36                           |            |
| <input type="checkbox"/> 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                           |            |
| <input type="checkbox"/> DEMO_SMPEV3.6_WITH_PTFs     | LOCAL            | IZUD809I           | Completed demo software instance, of SMP/E V3.6 with PTFs.   |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36N                          |            |
| <input type="checkbox"/> MASTER_zOS_R13_wOther_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: 5, Selected: 0

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

Close

Modify Filters

Match: All filters Match case

Columns: Filters

- Name
  - Condition: Contains Text: MASTER
- System
- Messages
- Description
- Global Zone CSI
- Product, Feature, and FMID Information
- Last Modified (Local)
- Modified By
- Created (Local)
- Created By

OK Cancel Help



Only the software instances that contain "MASTER" are now displayed

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances

**Software Instances**

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  
Clear Filters  
Modify Sort...  
Clear Sorts

Click Actions, then Select All

| Names  | Description | Global Zone CSI           | Target Zones                     | Categories |
|--|-------------|---------------------------|----------------------------------|------------|
| 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 | TSM36P                           |            |
| 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 | TSM36                            |            |
| Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.                   |             | ZOSMF.SWDEPLOY.GLOBAL.CSI | TGTZ12                           |            |
| 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 2:34:36 PM

Close

All the software instances are now selected

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances

**Software Instances**

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  
Clear Filters  
Modify Sort...  
Clear Sorts

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

| Names  | Description | Global Zone CSI           | Target Zones                     | Categories |
|--|-------------|---------------------------|----------------------------------|------------|
| 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 | TSM36P                           |            |
| 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 | TSM36                            |            |
| Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.                   |             | ZOSMF.SWDEPLOY.GLOBAL.CSI | TGTZ12                           |            |
| 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: 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.

The screenshot shows the IBM z/OS Management Facility interface. At the top, a pink callout bubble contains the text: "Message IZUD230W is generated stating that the display will exceed 750 rows. You will change the Settings to allow more rows to be displayed." Below this, a yellow callout bubble points to the breadcrumb navigation path: "2. After reviewing the message, click Software Management 'bread crumb'". Another yellow callout bubble points to the message icon in the Messages section: "1. Optionally, you can click on the message to get more details". The main content area displays a table of software instances with columns: Software Instance / Product / Feature, System, Messages, Product, Feature, and FIMID Information Retrieved (Local), Release, Product ID, Vendor, and General Av. The table lists two instances: MASTER\_SMPEV3.6\_WITH\_PTFS and MASTER\_SMPEV3.6\_WITHOUT\_PTFS. At the bottom, there is a status bar showing "Total: 12, Selected: 0" and buttons for "Refresh" and "Close".

## Step 3 ...

Click on Settings

The screenshot shows the IBM z/OS Management Facility interface. A yellow callout bubble points to the "Settings" link in the left-hand navigation menu: "Click on Settings". The main content area displays the "Software Management" section with a description: "Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODS. [Learn more...](#)". Below this, there is a list of links: Software Instances, Products, Deployments, Categories, and Settings. The "Settings" link is highlighted.



## Step 3 ...

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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**

You will now view ALL the “Master” software instances’ Product, Feature, and FMIDs

## Step 4a

IBM z/OS Management Facility

Welcome x Software Man... x

**Software Management**

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

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

**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.

**Click on Software Instances (again)**

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

IBM z/OS Management Facility

Welcome x Software Man... x

Software Management > Software Instances

**Software Instances**

☒ Actions Match: All filters

| Name   | System | Messages | Description  | Activity | Global Zone CSI           | Target Zones                     | Categories |
|--|--------|----------|--|----------|---------------------------|----------------------------------|------------|
| Contains "MASTER"                                    | Filter | Filter   | Filter   |          | Filter                    |                                  |            |
| <input type="checkbox"/> 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                          |            |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTF | LOCAL  |          | Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains the SMP/E V3.6 product without any PTFs. |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36                           |            |
| <input type="checkbox"/> 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                           |            |
| <input type="checkbox"/> MASTER_ZOS_R13_wOther_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, PL1410T, Z1130T |            |

Total: 4, Filtered: 4, Selected: 0

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

[Close](#)

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

The screenshot shows the IBM z/OS Management Facility interface. The 'Actions' menu is open, and 'Select All' is highlighted. A yellow callout bubble points to this option with the text 'Click Actions, then Select All (again)'. The table below shows software instances with columns for Name, Activity, Global Zone CSI, Target Zones, and Categories.

| Name   | Activity | Global Zone CSI           | Target Zones                     | Categories |
|--|----------|---------------------------|----------------------------------|------------|
| 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 | TSM36P                           |            |
| 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 | TSM36                            |            |
| Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1105.                   |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TGTZ12                           |            |
| 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 2:34:36 PM  
 Close

## Step 4a ...

The screenshot shows the IBM z/OS Management Facility interface. The 'View' action is selected, and the 'Products, Features, and FMIDs' sub-action is highlighted. A yellow callout bubble points to this option with the text 'Click Actions, then View, then Products, Features, and FMIDs (again)'. The table below shows software instances with columns for Name, Activity, Global Zone CSI, Target Zones, and Categories.

| Name                         | Activity | Global Zone CSI           | Target Zones | Categories |
|------------------------------|----------|---------------------------|--------------|------------|
| Source Software Instance for |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSM36P       |            |

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.

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

IBM z/OS Management Facility

Welcome shara01

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_wOther_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 ...

IBM z/OS Management Facility

Welcome shara01

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_wOther_Product                       | LOCAL         |                 | Oct 23, 2013 4:41:01 PM   |                |                   |               |                   |

Total: 1784, Selected: 0

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

Close

Click Actions, then Expand All

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

IBM z/OS Management Facility

Welcome shara01

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 |
|---|--------|----------|--|----------|------------|--------|----------------------|
| MASTER_SMPEV3.6_WITH_PTFS                     | LOCAL  |          | Oct 23, 2013 4:52:04 PM                                  |          |            |        |                      |
| System Modification Program Extended for z/OS |        |          |  | 03.06.00 | 5655-G44   | IBM    | Sep 30, 2011         |
| SMP/E V3 Base                                 |        |          |  |          |            |        |                      |
| HBCNC00                                       |        |          |  |          |            |        |                      |
| HBCND0B                                       |        |          |  |          |            |        |                      |
| HMP1J00                                       |        |          |  |          |            |        |                      |
| MASTER_SMPEV3.6_WITHOUT_PTFS                  | LOCAL  |          | Aug 10, 2013 7:28:52 PM                                  |          |            |        |                      |
| System Modification Program Extended for z/OS |        |          |  | 03.06.00 | 5655-G44   | IBM    | Sep 30, 2011         |
| SMP/E V3 Base                                 |        |          |  |          |            |        |                      |
| HBCNC00                                       |        |          |  |          |            |        |                      |
| HBCND0B                                       |        |          |  |          |            |        |                      |
| HMP1J00                                       |        |          |  |          |            |        |                      |
| MASTER_ZOSV1.12                               | LOCAL  |          | Aug 12, 2013 3:56:18 PM                                  |          |            |        |                      |

Total: 1784, Selected: 0

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

Close

You can scroll right

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

IBM z/OS Management Facility

Welcome shara01

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 | General Availability | End of Service | Additional Product Information  | Product Info File Version |
|---|--------|----------------------|----------------|---|---------------------------|
| MASTER_SMPEV3.6_WITH_PTFS                     | LOCAL  |                      |                |   |                           |
| System Modification Program Extended for z/OS |        | Sep 30, 2011         | Not Announced  | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44</a> | 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  | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44</a> | 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.**

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## Step 4b: View the “Master” Software Instances’ Additional Product Information

## Step 4b

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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         | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44</a> | 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         | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44</a> | Oct 17, 2013                     |
| SMP/E V3 Base                                       |               |                             |                       |   |                                  |
| HBCNC00   |               |                             |                       |   |                                  |
| HBCND0B   |               |                             |                       |   |                                  |
| HMP1J00   |               |                             |                       |   |                                  |
| MASTER_ZO3V1.12                                     | LOCAL         |                             |                       |   |                                  |

Total: 1784, Selected: 0

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

Close

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



The Additional Product Information link enables you to view the IBM Sales Manual description of the product in another tab of your browser session

[Feedback](#)

## 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”

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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

**Click on Software Instances**

| Software Instance / Product / Feature / FMID Filter                    | System Filter | General Availability Filter | End of Service Filter                             | Additional Product Information Filter   | Product Info File Version Filter |
|--|---------------|-----------------------------|---|---|----------------------------------|
| <input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFs                     | LOCAL         | Sep 30, 2011                | <input checked="" type="checkbox"/> Not Announced | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44</a> | Oct 17, 2013                     |
| <input type="checkbox"/> System Modification Program Extended for z/OS |               |                             |   |   |                                  |
| <input type="checkbox"/> SMP/E V3 Base                                 |               |                             |   |   |                                  |
| <input type="checkbox"/> HBCNC00                                       |               |                             |   |   |                                  |
| <input type="checkbox"/> HBCND0B                                       |               |                             |   |   |                                  |
| <input type="checkbox"/> HMP1J00                                       |               |                             |   |   |                                  |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFs                  | LOCAL         | Sep 30, 2011                | <input checked="" type="checkbox"/> Not Announced | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlfid=897/ENUS5655-G44</a> | Oct 17, 2013                     |
| <input type="checkbox"/> System Modification Program Extended for z/OS |               |                             |   |   |                                  |
| <input type="checkbox"/> SMP/E V3 Base                                 |               |                             |   |   |                                  |
| <input type="checkbox"/> HBCNC00                                       |               |                             |   |   |                                  |
| <input type="checkbox"/> HBCND0B                                       |               |                             |   |   |                                  |
| <input type="checkbox"/> HMP1J00                                       |               |                             |   |   |                                  |
| <input type="checkbox"/> MASTER_ZOSV1.12                               | LOCAL         |                             |   |   |                                  |

Total: 1784, Selected: 0

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

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Now select the “Master” software instance created for this lab.

Step 4c ...

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances

**Software Instances**

☒ Actions ☐ Match: All filters

| Name Filter  | System Filter | Messages Filter | Description Filter   | Activity | Global Zone CSI Filter    | Target Zones                     | Categories |
|--|---------------|-----------------|--|----------|---------------------------|----------------------------------|------------|
| <input type="checkbox"/> 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 | TSM36P                           |            |
| <input type="checkbox"/> 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 | TSM36                            |            |
| <input type="checkbox"/> 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                           |            |
| <input checked="" type="checkbox"/> 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

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

**1. Deselect all software instances**  
**2. Select the MASTER\_zOS\_R13\_w/Other\_Product software instance**

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First you will view the properties.

## Step 4c ...

IBM z/OS Management Facility Welcome shara01

Software Management > Software Instances

**Software Instances**

Actions Match: All filters

Click Actions, then View, then Properties

| View  | Properties   | Activity | Global Zone CSI           | Target Zones                     | Categories |
|---|--|----------|---------------------------|----------------------------------|------------|
| Modify  | Products, Features, and FMIDs  |          |                           |                                  |            |
| Open Deployments                                | Data Sets  |          |                           |                                  |            |
| Copy...   |  |          |                           |                                  |            |
| Remove...                                       |  |          |                           |                                  |            |
| Retrieve Product, Feature, and FMID Information |  |          |                           |                                  |            |
| Maintenance Reports                             |  |          |                           |                                  |            |
| Add...  | 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                          |            |
| Show Hidden 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.CSI | TSMP36                           |            |
| Select All                                      | Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at RSU1100.                   |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TGTZ12                           |            |
| Deselect All                                    |  |          |                           |                                  |            |
| Configure Columns...                            |  |          |                           |                                  |            |
| Modify Filters...                               |  |          |                           |                                  |            |
| Hide Filter Row                                 |  |          |                           |                                  |            |
| Clear Filters                                   |  |          |                           |                                  |            |
| Modify Sort...                                  |  |          |                           |                                  |            |
| Clear Sorts                                     |  |          |                           |                                  |            |
|   | 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 28, 2014 2:55:10 PM

Close

Multiple tabs are 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 Management Facility Welcome shara01

Software Management > Software Instances > MASTER\_zOS\_R13\_w/Other\_Product

**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   |                        |         |

Close

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

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 console screenshot showing the SMP/E Zones tab. The tab displays a table of Global Zones. A yellow callout bubble points to the 'Non-SMP/E Managed Data Sets' tab, stating 'Optionally click the Non-SMP/E Managed Data Sets tab.' Another yellow callout bubble points to the 'Close' button, stating 'After reviewing the SMP/E zone information and optionally the non-SMP/E Managed data sets information, click Close'.

| 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 from 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

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 console screenshot showing the Software Instances tab. The tab displays a table of software instances. A yellow callout bubble points to the 'Master' text in the Name column, stating 'You are brought back to the list of “Master” software instances, with the MASTER\_zOS\_R13\_w/Other\_Product still selected'.

| Name                           | System | Messages | Description  | Activity | Global Zone CSI           | 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_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                           |            |
| 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_Product | 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
- 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
- Clear Filters
- Modify Sort...
- Clear Sorts

| Name           | Activity   | Global Zone CSI           | Target Zones                     | Categories |
|----------------|--|---------------------------|----------------------------------|------------|
| MA...<br>CO... | 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

Next you will view data sets from viewing Products, Features, and FMIDs

## Step 4d ...

IBM z/OS Management Facility

Welcome shara01

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   |                |                   |               |                   |

Total: 286, Selected: 0

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

Close

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)

## Step 4d ...

IBM z/OS Management Facility

Welcome shara01

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

- View
  - Retrieve Product, Feature, and FMID Information
  - Maintenance 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

| 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   |                |                   |               |                   |

Total: 286, Selected: 286

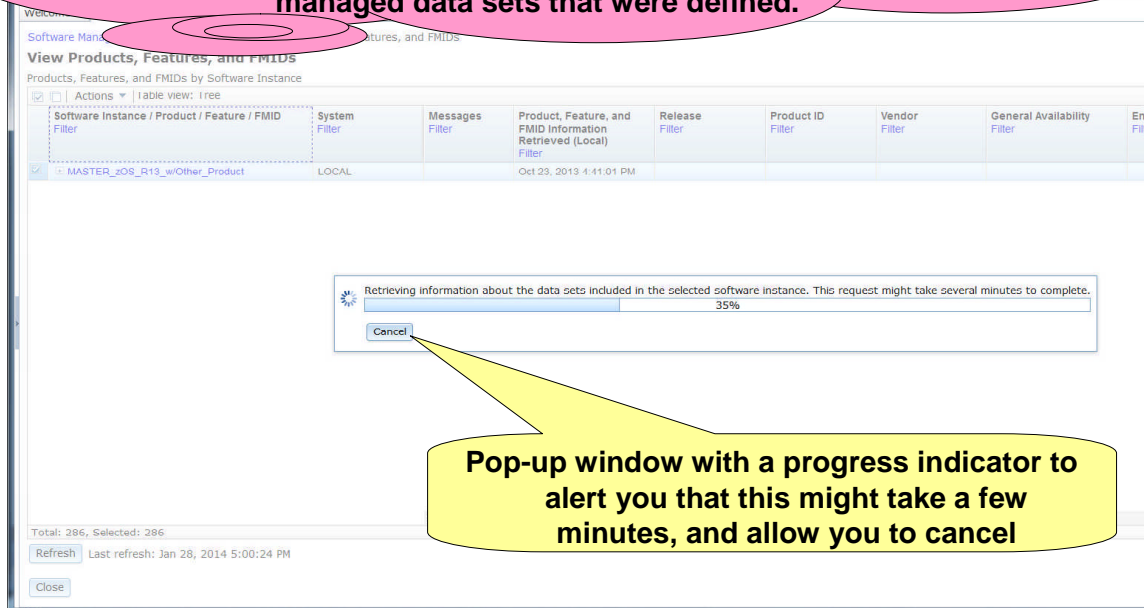
Refresh Last refresh: Jan 28, 2014 4:43:24 PM

Close

1. Select the one software instance MASTER\_zOS\_R13\_w/Other\_Product
2. Then click on Actions, View and then Data Sets

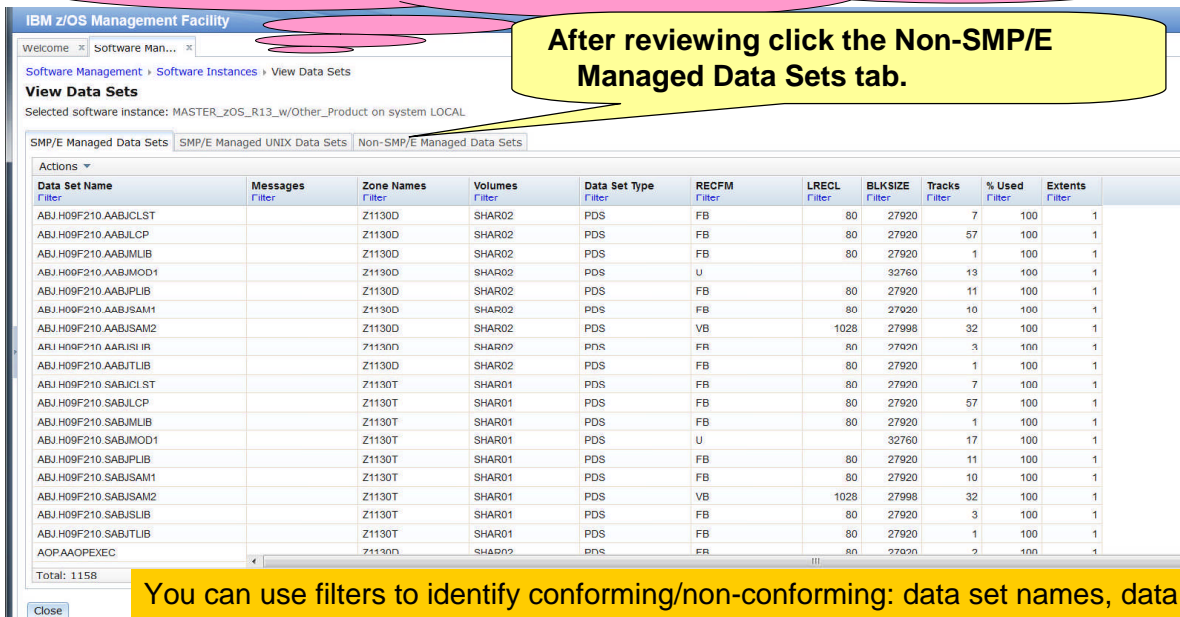


Software Management dynamically analyzes the GLOBAL, target and distribution zones to determine the list of data sets that make up the software instance. The list is limited to those data sets (DDDEFs) that can possibly be updated using SMP/E commands and any non-SMP/E managed data sets that were defined.



## Step 4d ...

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



## 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

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

Total: 2

Close

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## 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

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## 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

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 | Messages | Zone Names | Volumes | Data Set Type | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
|--------------------------------|----------|------------|---------|---------------|-------|-------|---------|--------|--------|---------|
| SMLAB01.COB32.ZFS              |          | COB320T    | SHARD04 | ZFS           |       |       |         | 15     |        |         |
| SMLAB01.JAVA31V7               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 5310   |        |         |
| SMLAB01.JAVA64V7               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 6795   |        |         |
| SMLAB01.NETVHF9                |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 135    |        |         |
| SMLAB01.PLI41.ZFS              |          | PLI410T    | SHARD04 | ZFS           |       |       |         | 75     |        |         |
| SMLAB01.R00T                   |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 40755  |        |         |
| SMLAB01.SBBN7HFS               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 32280  |        |         |
| SMLAB01.SHAPHFS                |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 555    |        |         |
| SMLAB01.SHPERROOT              |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 1305   |        |         |
| SMLAB01.SHPHROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 180    |        |         |
| SMLAB01.SHPUROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 150    |        |         |
| SMLAB01.SIBMROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 30     |        |         |
| SMLAB01.SIGYROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 16     |        |         |
| SMLAB01.SIZUROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 3705   |        |         |
| SMLAB01.TKANROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 16     |        |         |

Total: 168

Close

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## Step 4d ...

IBM z/OS Management Facility

Welcome shara20

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

Click Actions and then Expand All to see the SMP/E managed paths

| Data Set Name / UNIX Directory | Messages | Zone Names | Volumes | Data Set Type | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
|--------------------------------|----------|------------|---------|---------------|-------|-------|---------|--------|--------|---------|
| SMLAB01.COB32.ZFS              |          | COB320T    | SHARD04 | ZFS           |       |       |         | 15     |        |         |
| SMLAB01.JAVA31V7               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 5310   |        |         |
| SMLAB01.JAVA64V7               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 6795   |        |         |
| SMLAB01.NETVHF9                |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 135    |        |         |
| SMLAB01.PLI41.ZFS              |          | PLI410T    | SHARD04 | ZFS           |       |       |         | 75     |        |         |
| SMLAB01.R00T                   |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 40755  |        |         |
| SMLAB01.SBBN7HFS               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 32280  |        |         |
| SMLAB01.SHAPHFS                |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 555    |        |         |
| SMLAB01.SHPERROOT              |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 1305   |        |         |
| SMLAB01.SHPHROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 180    |        |         |
| SMLAB01.SHPUROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 150    |        |         |
| SMLAB01.SIBMROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 30     |        |         |
| SMLAB01.SIGYROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 16     |        |         |
| SMLAB01.SIZUROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 3705   |        |         |
| SMLAB01.TKANROOT               |          | Z1130T     | SHARD04 | ZFS           |       |       |         | 16     |        |         |

Total: 168

Close

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## Step 4d ...

IBM z/OS Management Facility

Welcome shara20

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      | Messages | Zone Names | Volumes | Data Set Type | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
|-------------------------------------|----------|------------|---------|---------------|-------|-------|---------|--------|--------|---------|
| SMLAB01.COB32.ZFS                   |          | COB320T    | SHAR04  | ZFS           |       |       |         | 15     |        |         |
| # /sharelab/COB320/bin/IBM/         |          |            |         |               |       |       |         |        |        |         |
| SMLAB01.JAVA31V7                    |          | Z1130T     | SHAR04  | ZFS           |       |       |         | 5310   |        |         |
| # /sharelab/SMLAB01/usr/lpp         |          |            |         |               |       |       |         |        |        |         |
| # /java/UT_01/IBM/                  |          |            |         |               |       |       |         |        |        |         |
| SMLAB01.JAVA64V7                    |          | Z1130T     | SHAR04  | ZFS           |       |       |         | 6795   |        |         |
| # /sharelab/SMLAB01/usr/lpp         |          |            |         |               |       |       |         |        |        |         |
| # /java/UT_0_64/IBM/                |          |            |         |               |       |       |         |        |        |         |
| SMLAB01.NETVHF5                     |          | 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

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## Step 4d ...

IBM z/OS Management Facility

Welcome shara20

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        | Messages | Zone Names | Volumes | Data Set Type | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
|----------------------|----------|------------|---------|---------------|-------|-------|---------|--------|--------|---------|
| 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.AABJRAM1 |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 10     | 100    | 1       |
| ABJ.H09F210.AABJRAM2 |          | Z1130D     | SHAR02  | PDS           | VB    | 1028  | 27998   | 32     | 100    | 1       |
| ABJ.H09F210.AABJSLIB |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 3      | 100    | 1       |
| ABJ.H09F210.AABJTUB  |          | 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.SABJTUB  |          | Z1130T     | SHAR01  | PDS           | FB    | 80    | 27920   | 1      | 100    | 1       |
| AOP.AAOPEXEC         |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 2      | 100    | 1       |
| Total: 1158          |          |            |         |               |       |       |         |        |        |         |

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## Step 4d ...

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

**Then click OK**

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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**

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## Step 4d ...

The screenshot shows the IBM z/OS Management Facility interface. The 'View Data Sets' dialog is open, displaying a table of data sets. A 'Modify Filters' sub-dialog is also open, showing the 'Columns: Filters' section. A yellow callout points to the 'Clear Filters' button in the sub-dialog.

**Modify Filters Dialog:**

- Match: All filters
- Match case: ☐
- Columns: Filters
  - Zone Names
  - Volumes
  - Data Set Type
  - RECFM
  - LRECL
  - BLKSIZE
  - Tracks
  - % Used
  - Extents: Greater than 1
- Condition: Greater than
- Value: 1
- Buttons: OK, Clear Filters, Cancel, Help

**Data Set Table:**

| Data Set Name   | Messages | Zone Names   | Volumes | Tracks | % Used | Extents |
|-----------------|----------|--|---------|--------|--------|---------|
| CEE.SCEERUN2    |          | Z1130T   | SHAR01  | 23877  | 90     | 2       |
| SMLAB01 SMPPTS  |          | COB320D, COB330T, DT910D, DT910T, GLOBAL, PLI410D, PLI410T, Z1130D, Z1130T | SHAR02  | 71902  | 63     | 2       |
| SYR1.AIFAI.NKF  |          | Z1130D   | SHAR03  | 2074   | 90     | 2       |
| SYR1.ANFSUB     |          | Z1130D   | SHAR03  | 254    | 90     | 2       |
| SYR1.SHASLKE    |          | Z1130T   | SHAR01  | 94     | 89     | 2       |
| SYR1.SIEALKE    |          | Z1130T   | SHAR01  | 3135   | 90     | 2       |
| SYR1.SIEAMGE    |          | Z1130T   | SHAR01  | 4      | 72     | 2       |
| TCPIP.AEZAMODS  |          | Z1130D   | SHAR03  | 3364   | 90     | 2       |
| TCPIP.SEZALOAD  |          | Z1130T   | SHAR01  | 2740   | 90     | 2       |
| TIVOLI.TKANMODP |          | Z1130T   | SHAR01  | 277    | 89     | 2       |

Total: 1158, Filtered: 10

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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.

The screenshot shows the IBM z/OS Management Facility interface. The 'View Data Sets' dialog is open, displaying a table of data sets. A yellow callout points to the filter in the 'Data Set Type' column.

**Data Set Table:**

| Data Set Name        | Messages | Zone Names | Volumes | Data Set Type | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
|----------------------|----------|------------|---------|---------------|-------|-------|---------|--------|--------|---------|
| ABJ.H09F210.AABJCLST |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 7      | 100    | 1       |
| ABJ.H09F210.AABJLCP  |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 67     | 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       |
| AOPAAOPEXEC          |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 2      | 100    | 1       |

Total: 1158

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## Step 4d ...

**Enter "zfs" for the "Text" (case doesn't matter)**

**Then click OK**

The screenshot shows the 'View Data Sets' screen with the 'SMP/E Managed Data Sets' tab selected. A 'Modify Filters' dialog box is open, showing the 'Text' field with the value 'zfs'. The 'OK' button is highlighted.

## 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**

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

The screenshot shows the 'View Data Sets' screen with the 'SMP/E Managed UNIX Data Set' tab selected. The message 'There is no data to display' is shown. A yellow callout points to the 'Extents' filter.



## Step 4d ...

The screenshot shows the IBM z/OS Management Facility interface. The 'View Data Sets' dialog is open, displaying a table of data sets. A 'Modify Filters' sub-dialog is also open, showing a list of filters. A yellow callout points to the 'Clear Filters' button in the sub-dialog.

**Click on "Clear Filters"**

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## Step 4d ...

Notice that when you clear filters it clears ALL filters and not just the filter for the column you selected.

The screenshot shows the IBM z/OS Management Facility interface. The 'View Data Sets' dialog is open, displaying a table of data sets. The table has columns for Data Set Name, Messages, Zone Names, Volumes, Data Set Type, RECFM, LRECL, BLKSIZE, Tracks, % Used, and Extents. The table is filtered to show only data sets with a Data Set Type of PDS.

| Data Set Name        | Messages | Zone Names | Volumes | Data Set Type | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
|----------------------|----------|------------|---------|---------------|-------|-------|---------|--------|--------|---------|
| ABJ H09F210.AABJCLST |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 7      | 100    | 1       |
| ABJ H09F210.AABJLCP  |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 67     | 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.AABJTUB  |          | 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.SABJTUB  |          | Z1130T     | SHAR01  | PDS           | FB    | 80    | 27920   | 1      | 100    | 1       |
| AOPAAOPEXEC          |          | Z1130D     | SHAR02  | PDS           | FB    | 80    | 27920   | 2      | 100    | 1       |

Total: 1158

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## 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 spreadsheet functions to manipulate the data or print it

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

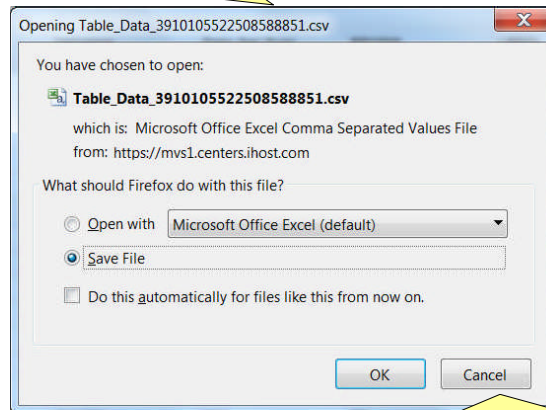
| Messages | Zone   | Product | Package | Version | Release | Extents |
|----------|--------|---------|---------|---------|---------|---------|
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 7       |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 57      |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 1       |
| Z1130D   | SHAR02 | PDS     | U       | 80      | 27920   | 10      |
| Z1130D   | SHAR02 | PDS     | VB      | 1028    | 27998   | 32      |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 1       |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 7       |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 57      |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 1       |
| Z1130D   | SHAR02 | PDS     | U       | 80      | 27920   | 17      |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 11      |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 10      |
| Z1130D   | SHAR02 | PDS     | VB      | 1028    | 27998   | 32      |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 3       |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 1       |
| Z1130D   | SHAR02 | PDS     | FB      | 80      | 27920   | 2       |

Total: 1158



## 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



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

|    | A                       | B        | C         | D       | E          | F     | G     | H       | I      | J      | K       |
|----|-------------------------|----------|-----------|---------|------------|-------|-------|---------|--------|--------|---------|
|    | Data Set Name           | Messages | Zone Name | Volumes | Data Set T | RECFM | LRECL | BLKSIZE | Tracks | % Used | Extents |
| 2  | ABJ.H09F210.AABJCZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 3  | ABJ.H09F210.AABJLZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 4  | ABJ.H09F210.AABJLZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 5  | ABJ.H09F210.AABJLZ1130D |          | SHAR02    | PDS     | U          |       |       |         |        |        |         |
| 6  | ABJ.H09F210.AABJFZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 7  | ABJ.H09F210.AABJSZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 8  | ABJ.H09F210.AABJSZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 9  | ABJ.H09F210.AABJSZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 10 | ABJ.H09F210.AABJLZ1130D |          | SHAR02    | PDS     | FB         |       |       |         |        |        |         |
| 11 | ABJ.H09F210.SABJCZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 12 | ABJ.H09F210.SABJLZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 13 | ABJ.H09F210.SABJLZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 14 | ABJ.H09F210.SABJLZ1130T |          | SHAR01    | PDS     | U          |       |       |         |        |        |         |
| 15 | ABJ.H09F210.SABJFZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 16 | ABJ.H09F210.SABJSZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 17 | ABJ.H09F210.SABJSZ1130T |          | SHAR01    | PDS     | VB         |       |       |         |        |        |         |
| 18 | ABJ.H09F210.SABJSZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 19 | ABJ.H09F210.SABJLZ1130T |          | SHAR01    | PDS     | FB         |       |       |         |        |        |         |
| 20 | AOP.AAOPEXEC            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 21 | AOP.AAOPHFS             |          | Z1130D    | SHAR02  | PDS        | VB    |       |         |        |        |         |
| 22 | AOP.AAOPMENU            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 23 | AOP.AAOPMOD1            |          | Z1130D    | SHAR02  | PDS        | U     |       |         |        |        |         |
| 24 | AOP.AAOPMENU            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 25 | AOP.SAOPEXEC            |          | Z1130T    | SHAR01  | PDS        | FB    |       |         |        |        |         |
| 26 | AOP.SAOPMENU            |          | Z1130T    | SHAR01  | PDS        | FB    |       |         |        |        |         |
| 27 | AOP.SAOPMENU            |          | Z1130T    | SHAR01  | PDS        | FB    |       |         |        |        |         |
| 28 | ASM.AASMMAC1            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 29 | ASM.AASMMAC2            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 30 | ASM.AASMMOD1            |          | Z1130D    | SHAR02  | PDS        | U     |       |         |        |        |         |
| 31 | ASM.AASMMOD2            |          | Z1130D    | SHAR02  | PDS        | U     |       |         |        |        |         |
| 32 | ASM.AASMPUT2            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 33 | ASM.AASMSAM1            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 34 | ASM.AASMSAM2            |          | Z1130D    | SHAR02  | PDS        | FB    |       |         |        |        |         |
| 35 | ASM.SASMMAC1            |          | Z1130T    | SHAR01  | PDS        | FB    |       |         |        |        |         |
| 36 | ASM.SASMMAC2            |          | Z1130T    | SHAR01  | PDS        | FB    |       |         |        |        |         |
| 37 | ASM.SASMMOD1            |          | Z1130T    | SHAR01  | PDS        | U     |       |         |        |        |         |
| 38 | ASM.SASMMOD2            |          | Z1130T    | SHAR01  | PDS        | U     |       |         |        |        |         |

## Step 4e ...

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 system LOCAL

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

Actions

| Data Set Name<br>Filter | Messages<br>Filter | Zone Names<br>Filter | Volumes<br>Filter | Data Set Type<br>Filter | RECFM<br>Filter | LRECL<br>Filter | BLKSIZE<br>Filter | Tracks<br>Filter | % Used<br>Filter | Extents<br>Filter |
|-------------------------|--------------------|----------------------|-------------------|-------------------------|-----------------|-----------------|-------------------|------------------|------------------|-------------------|
| ABJ H09F210.AABJCLST    |                    | Z1130D               | SHAR02            | PDS                     | FB              | 80              | 27920             | 7                | 100              | 1                 |
| ABJ H09F210.AABJLCP     |                    | Z1130D               | SHAR02            | PDS                     | FB              | 80              | 27920             | 67               | 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.AABJSIR     |                    | Z1130D               | SHAR02            | PDS                     | FR              | 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                 |
| AOPAAOPEXEC             |                    | Z1130D               | SHAR02            | PDS                     | FR              | 80              | 27920             | 2                | 100              | 1                 |

Total: 1158

Close

**Click Close**

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## Step 4e ...

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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<br>Filter             | System<br>Filter | Messages<br>Filter | Product, Feature, and<br>FMID Information<br>Retrieved (Local)<br>Filter | Release<br>Filter | Product ID<br>Filter | Vendor<br>Filter | General Av.<br>Filter |
|--|------------------|--------------------|--|-------------------|----------------------|------------------|-----------------------|
| <input checked="" type="checkbox"/> MASTER_ZOS_R13_w/Other_Product | LOCAL            |                    | Oct 23, 2013 4:41:01 PM  |                   |                      |                  |                       |

Total: 286, Selected: 286

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

Close

**Click Close (again)**

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## Step 5a: Report on “Master” Software Instances’ End of Service


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

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances

**Software Instances**

Click  to select all software instances

| Name<br>Contains "MASTER"                                     | System<br>Filter | Messages<br>Filter | Description<br>Filter  | Activity | Global Zone CSI<br>Filter | Target Zones                     | Categories |
|---|------------------|--------------------|--|----------|---------------------------|----------------------------------|------------|
| <input type="checkbox"/> 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 | TSM36P                           |            |
| <input type="checkbox"/> 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 | TSM36                            |            |
| <input type="checkbox"/> 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                           |            |
| <input checked="" type="checkbox"/> MASTER_ZOS_R13_wOther_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](#)

Prepare to be WOWed!!!

## Step 5a ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances

**Software Instances**

Click Actions, Maintenance Reports, then End of Service

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

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

End of Service

Click on View Legend

Timeline

2012 2013 2014 2015

Retrieval End of Service Information...

Software Instances by Product

| Product / Software Instance                   | Release  | Product ID | Messages | Vendor | General Availability | End of Service | Additional Product Information  | Product Information File Version |
|---|----------|------------|----------|--------|----------------------|----------------|---|----------------------------------|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5655-G44</a> | Oct 17, 2013                     |
| z/OS  | 01.12.00 | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5694-A01">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5694-A01</a> | Oct 17, 2013                     |
| Enterprise COBOL for z/OS and OS/390          | 03.02.00 | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5655-G53">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5655-G53</a> | Oct 17, 2013                     |
| Devcon Tool V9                                | 09.01.00 | 5655-I27   |          | IBM    | Jan 26, 2008         | Apr 30, 2010   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5655-I27">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=d&amp;subtype=sml&amp;appname=ShopSeries&amp;tmfId=697/EHU/5655-I27</a> | Oct 17, 2013                     |

Total: 55, Selected: 0

Refresh Last refresh: Feb 3, 2014 10:51:23 AM

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

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

| Product / Software Instance                   | Release  | Product ID | Messages | Vendor | General Availability | End of Service | Additional Product Information  | Product Information File Version |
|---|----------|------------|----------|--------|----------------------|----------------|---|----------------------------------|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G44</a> | Oct 17, 2013                     |
| z/OS  | 01.12.00 | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5694-A01">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5694-A01</a> | Oct 17, 2013                     |
| Enterprise COBOL for z/OS and OS/390          | 03.02.00 | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G53">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G53</a> | Oct 17, 2013                     |
| Debug Tool V9                                 | 09.01.00 | 5655-I27   |          | IBM    | Sep 26, 2008         | Dec 31, 2012   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-I27">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-I27</a> | Oct 17, 2013                     |

Hover over an icon and view the flyover help that is available to view product information

| Product / Software Instance                   | Release  | Product ID | Messages | Vendor | General Availability | End of Service | Additional Product Information  | Product Information File Version |
|---|----------|------------|----------|--------|----------------------|----------------|---|----------------------------------|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G44</a> | Oct 17, 2013                     |
| z/OS  | 01.12.00 | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5694-A01">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5694-A01</a> | Oct 17, 2013                     |
| Enterprise COBOL for z/OS and OS/390          | 03.02.00 | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G53">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-G53</a> | Oct 17, 2013                     |
| Debug Tool V9                                 | 09.01.00 | 5655-I27   |          | IBM    | Sep 26, 2008         | Dec 31, 2012   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-I27">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sm&amp;appname=ShopzSeries&amp;htmlid=897/ENUS5655-I27</a> | Oct 17, 2013                     |



IBM z/OS Management Facility

Welcome shara01

Log out

Welcome Software Man...

### Maintenance Reports

End of Service

Timeline

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 >=

View Legend

Retrieve End of Service Information...

Software Instances by Product

Actions Table view: Tree

View

Retrieve Product, Feature, and FMD Information

Maintenance Reports

Expand

Collapse

Retrieve End of Service Information...

Select All

Deselect All

Configure Columns...

Modify Filters...

Hide Filter Row

Clear Filters

Modify Sort...

Clear Sorts

Refresh

Export Table Data

Print Table Data

Expand All

Collapse All

Click Actions, then Expand All

| Product / Software Instance                   | Release  | Product ID | Messages | Vendor | General Availability | End of Service | Additional Product Information  | Product Information File Version |
|---|----------|------------|----------|--------|----------------------|----------------|---|----------------------------------|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5655-G44">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5655-G44</a> | Oct 17, 2013                     |
| MASTER_SMPV3.6_WITHOUT_PTF5                   |          | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5694-A01">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5694-A01</a> | Oct 17, 2013                     |
| MASTER_SMPV3.6_WITH_PTF5                      |          | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5655-G53">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5655-G53</a> | Oct 17, 2013                     |
|   |          | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5655-G53">http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&amp;subtype=sml&amp;appname=ShopSeries&amp;htmlid=897/ENUS5655-G53</a> | Oct 17, 2013                     |

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

IBM z/OS Management Facility

Welcome shara01

Log out

Welcome Software Man...

Software Management > Software Instances > Maintenance Reports

### Maintenance Reports

End of Service

Timeline

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 >=

View Legend

Retrieve End of Service Information...

Software Instances by Product

Actions Table view: Tree

Product / Software Instance

Release

Product ID

Messages

Vendor

General Availability

End of Service

Additional Product Information

Product Information File Version

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=sml&appname=ShopSeries&htmlid=897/ENUS5655-G44>

Oct 17, 2013

MASTER\_SMPV3.6\_WITHOUT\_PTF5

MASTER\_SMPV3.6\_WITH\_PTF5

Total: 55, Selected: 0

Refresh Last refresh: Feb 3, 2014 10:51:23 AM

Close Hide

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

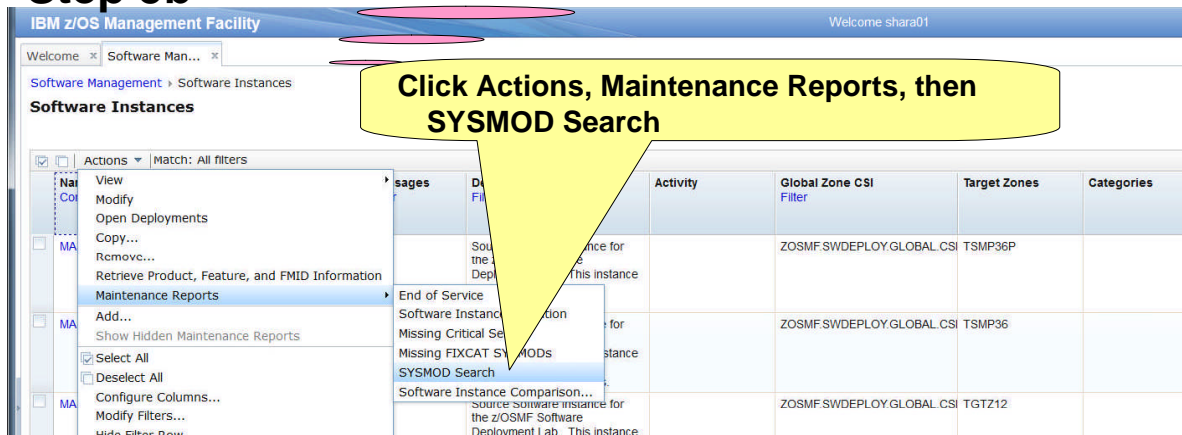
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## Step 5b: Report on “Master” Software Instances’ SYSMOD Search

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

### Step 5b



**Click Actions, Maintenance Reports, then  
SYSMOD Search**

| Activity | Global Zone CSI           | Target Zones | Categories |
|----------|---------------------------|--------------|------------|
|          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36P      |            |
|          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TSMP36       |            |
|          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TGT212       |            |

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



## Step 5b ...

The screenshot shows the 'Maintenance Reports' page in the IBM z/OS Management Facility. The 'SYSMOD Search' section has a text input field containing 'U001270, U001281' and a 'Search' button. A yellow callout bubble points to the input field with the text 'Specify U001270 and U001281 in the SYSMOD search list'. Another yellow callout bubble points to the 'Search' button with the text 'Then click Search'. Below the search section, the 'Search Results' table is empty, displaying the message 'There is no data to display.' A large yellow text box at the bottom of the screenshot contains the following text: '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.'

## Step 5b ...

This screenshot shows the same 'Maintenance Reports' page as the previous one, but with a search progress pop-up window displayed. The pop-up window has a loading icon and the text: 'Searching for the SYSMODs in the selected software instances. This request might take several minutes to complete.' and a 'Cancel' button. A yellow callout bubble points to the pop-up with the text: 'Pop-up window to alert you that this might take a few minutes, and allow you to cancel, just let it complete'.

Step 5b ... 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

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

+ SYSMOD search list:  
U001270, U001281

Search

Search Results

Actions | Table view: Tree

| Software Instance / Zone Name / SYSMOD | System | Type | FMID | Status | Installed |
|--|--------|------|------|--------|-----------|
| MASTER_SMPEV3.6_WITH_PTFS              | LOCAL  |      |      |        |           |
| MASTER_SMPEV3.6_WITHOUT_PTFS           | LOCAL  |      |      |        |           |
| MASTER_ZOSV1.12                        | LOCAL  |      |      |        |           |
| MASTER_ZOS_R13_wOther_Product          | LOCAL  |      |      |        |           |

Total: 55, 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:  
U001270, U001281

Search

Search Results

Actions | Table view: Tree

Click Actions, then Expand All

| Software Instance / Zone Name / SYSMOD | System | Type | FMID | Status | Installed |
|--|--------|------|------|--------|-----------|
| MASTER_SMPEV3.6_WITH_PTFS              | LOCAL  |      |      |        |           |
| MASTER_SMPEV3.6_WITHOUT_PTFS           | LOCAL  |      |      |        |           |
| MASTER_ZOSV1.12                        | LOCAL  |      |      |        |           |
| MASTER_ZOS_R13_wOther_Product          | LOCAL  |      |      |        |           |

Total: 55, Selected: 0

Close Hide

**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:

Search Results

☒ Actions

| Software Instance / Zone Name / SYSMOD | System | Type | F MID   | Status                | Installed                 |
|--|--------|------|---------|-----------------------|---------------------------|
| MASTER_SMPEV3.6_WITH_PTFS              | LOCAL  |      |         |                       |                           |
| DSMP36P                                |        |      |         |                       |                           |
| U001270                                |        |      |         | Superceded by U001301 |                           |
| U001281                                |        | PTF  | HMP1J00 | Accepted              | January 3, 2012 14:09:28  |
| GLOBAL                                 |        |      |         |                       |                           |
| U001270                                |        | PTF  | HBCNC00 | Received              | January 16, 2012 15:23:34 |
| U001281                                |        | PTF  | HMP1J00 | Received              | January 16, 2012 15:23:38 |
| TSMP36P                                |        |      |         |                       |                           |
| U001270                                |        |      |         | Superceded by U001301 |                           |
| U001281                                |        | PTF  | HMP1J00 | Applied               | January 3, 2012 14:07:05  |

Total: 55, Selected: 0

## 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:

Search Results

☒ Actions

**Click Actions, then Collapse All**

| Software Instance / Zone Name / SYSMOD | System | Type | F MID   | Status                | Installed                 |
|--|--------|------|---------|-----------------------|---------------------------|
| MASTER_SMPEV3.6_WITH_PTFS              | LOCAL  |      |         |                       |                           |
| DSMP36P                                |        |      |         |                       |                           |
| U001270                                |        |      |         | Superceded by U001301 |                           |
| U001281                                |        | PTF  | HMP1J00 | Accepted              | January 3, 2012 14:09:28  |
| GLOBAL                                 |        |      |         |                       |                           |
| U001270                                |        | PTF  | HBCNC00 | Received              | January 16, 2012 15:23:34 |
| U001281                                |        | PTF  | HMP1J00 | Received              | January 16, 2012 15:23:38 |
| TSMP36P                                |        |      |         |                       |                           |
| U001270                                |        |      |         | Superceded by U001301 |                           |
| U001281                                |        | PTF  | HMP1J00 | Applied               | January 3, 2012 14:07:05  |

Total: 55, Selected: 0

## Step 5c: Report on “Master” Software Instances’ Missing FIXCAT SYSMODs

## Step 5c

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

SYSMOD Search x

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

\* SYSMOD search list:  
U001270, U001281

Search Results

☒ Actions Table view: Tree

| Software Instance / Zone Name / SYSMOD Filter          | System Filter | Type Filter | FMID Filter | Status Filter | Installed Filter |
|--|---------------|-------------|-------------|---------------|------------------|
| <input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS     | LOCAL         |             |             |               |                  |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS  | LOCAL         |             |             |               |                  |
| <input type="checkbox"/> MASTER_ZOSV1.12               | LOCAL         |             |             |               |                  |
| <input type="checkbox"/> MASTER_zOS_R13_wOther_Product | LOCAL         |             |             |               |                  |

Total: 55, Selected: 0

**Click ☒ to select all software instances**

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

### Step 5b ...

**Click Actions, Maintenance Reports, then Missing FIXCAT SYSMODs**

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 ...

**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

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_wOther_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 x Software Man... x

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

SYSMOD Search x Missing FIXCAT SYSMODs x

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

Click Actions, then Expand All

| 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_wOther_Product                                 | LOCAL         | September 28, 2012 11:33:57    |                     |  |   |                         |

Total: 556, Selected: 0

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

Close Hide



## Step 5b ...

Similar to REPORT MISSINGFIX Output displayed in tree table format

IBM z/OS Management Facility

Welcome shara01

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   |               |                                | TSM36P              |  | UACOE2                                      |                         |
| IBM Coexistence z/OS.V1R12                                    |               |                                |                     |  |   |                         |
| HMP1J00   |               |                                |                     |  |   | SMP/E Base              |
| AACOEX1   |               |                                | TSM36P              |  | UACOE2                                      |                         |
| IBM Coexistence z/OS.V1R13                                    |               |                                |                     |  |   |                         |
| HMP1J00   |               |                                |                     |  |   | SMP/E Base              |
| AACOEX1   |               |                                | TSM36P              |  | UACOE2                                      |                         |
| IBM Device Server z114-2818                                   |               |                                |                     |  |   |                         |
| HMP1J00   |               |                                |                     |  |   | SMP/E Base              |
| AASRV1  |               |                                | TSM36P              |  | UASRV1                                      |                         |
| 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 ...

IBM z/OS Management Facility

Welcome shara01

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

Click Actions, then Collapse All

| 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   |               |                                | TSM36P              |  | UACOE2                                      |                         |
| IBM Coexistence z/OS.V1R12                                    |               |                                |                     |  |   |                         |
| HMP1J00   |               |                                |                     |  |   | SMP/E Base              |
| AACOEX1   |               |                                | TSM36P              |  | UACOE2                                      |                         |
| IBM Coexistence z/OS.V1R13                                    |               |                                |                     |  |   |                         |
| HMP1J00   |               |                                |                     |  |   | SMP/E Base              |
| AACOEX1   |               |                                | TSM36P              |  | UACOE2                                      |                         |
| IBM Device Server z114-2818                                   |               |                                |                     |  |   |                         |
| HMP1J00   |               |                                |                     |  |   | SMP/E Base              |
| AASRV1  |               |                                | TSM36P              |  | UASRV1                                      |                         |
| 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 5d: Report on “Master” Software Instances’ Missing Critical Fixes

## 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

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

Click  to select all software instances

| 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 |
|---|---------------|--------------------------------|---------------------|--|---|-------------------------|
| <input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS            | LOCAL         | January 16, 2012 15:38:30      |                     |  |   |                         |
| <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS         | LOCAL         | January 16, 2012 15:38:30      |                     |  |   |                         |
| <input type="checkbox"/> MASTER_ZOSV1.12                      | LOCAL         | January 16, 2012 15:38:30      |                     |  |   |                         |
| <input type="checkbox"/> MASTER_ZOS_R13_wOther_Product        | LOCAL         | September 28, 2012 11:33:57    |                     |  |   |                         |

Total: 556, Selected: 0

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

[Close](#) [Hide](#)

## Step 5d ...

**Click Actions, Maintenance Reports, then Missing Critical Service**

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

| Software Instance / Fix Category / FMID / Missing APAR | System | HOLDDATA Received (GMT)     | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | FMID Description |
|--|--------|-----------------------------|--------------|---|--------------------------------------|------------------|
| PTFS   | LOCAL  | January 16, 2012 15:38:30   |              |   |                                      |                  |
|  | LOCAL  | January 16, 2012 15:38:30   |              |   |                                      |                  |
|  | LOCAL  | September 28, 2012 11:33:57 |              |   |                                      |                  |

## Step 5d ...

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

Retrieving the missing Critical Service information for the selected software instances. This request might take several minutes to complete.

Cancel

| Software Instance / Fix Category / FMID / Missing APAR | System | HOLDDATA Received (GMT)   | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | FMID Description |
|--|--------|---------------------------|--------------|---|--------------------------------------|------------------|
| 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  |        |                           |              |   |                                      |                  |
| MASTER_zOS_R13_wOther_Product                          |        |                           |              |   |                                      |                  |

Total: 556, Selected: 556  
Refresh Last refresh: Jan 29, 2014 2:42:23 PM  
Close Hide

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

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 | Held Class Filter | Held 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_wOther_Product                                | LOCAL         | September 28, 2012 11:33:57    |                     |  |   |                   |                     |                         |

Total: 149, Selected: 0

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

Close Hide

Notice that a third tab was created under Maintenance Reports.

Step 3a ...

IBM z/OS Management Facility

Welcome shara01

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

Click Actions, then Expand All

| 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 | Held Class Filter | Held 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_wOther_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 1

Similar to REPORT ERRSYSMODS Output displayed in tree table format

IBM z/OS Management Facility

Welcome shara01

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 | HOLD/DATE 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              |
| AO14750  |               |                                 | TSM36               | U001286  |   | HIPER             | DAL                 |                         |
| MASTR_ZOSV1 12   | LOCAL         | January 16, 2012 15:23:46       |                     |  |   |                   |                     |                         |
| HB87770  |               |                                 |                     |  |   |                   |                     | BCP Base                |
| 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

## Step 2

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

IBM z/OS Management Facility

Welcome shara01

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

Click Actions, then Switch to Non-Tree View

| Software Instance / FMID / Held SYSMOD / Missing APAR Filter | System Filter | HOLD/DATE 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              |
| AO14750  |               |                                 | TSM36               | U001286  |   | HIPER             | DAL                 |                         |
| MASTR_ZOSV1 12   | LOCAL         | January 16, 2012 15:23:46       |                     |  |   |                   |                     |                         |
| HB87770  |               |                                 |                     |  |   |                   |                     | BCP Base                |
| 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

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Close Hide

## Step 5d ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

Click on the filter in the Hold Class column

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: Non-tree

| Software Instance / FMID / Held SYSMOD / Missing APAR<br>Filter | System<br>Filter | HOLDDATA Received (GMT)<br>Filter | Target Zones<br>Filter | Resolving SYSMODs Received in Global Zone<br>Filter | Resolving SYSMODs Not in Global Zone<br>Filter | Hold Class<br>Filter | Hold Symptom<br>Filter | FMID Description<br>Filter |
|---|------------------|-----------------------------------|------------------------|---|--|----------------------|------------------------|----------------------------|
| MASTER_SMPEV3.6_WITHOUT_PTFS                                    | LOCAL            | January 16, 2012 15:23:46         |                        |   |  |                      |                        | SMP/E Base                 |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00                          |                  |                                   |                        |   |  |                      |                        |                            |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HMP1J00                |                  |                                   |                        |   |  |                      |                        |                            |
| MASTER_ZOSV1.12   | LOCAL            | January 16, 2012 15:23:46         |                        |   |  |                      |                        | BCP Base                   |
| MASTER_ZOSV1.12 > HBB7770                                       |                  |                                   |                        |   |  |                      |                        |                            |
| 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, Selected: 0

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

Close Hide

## Step 5d ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

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: Non-tree

| Software Instance / FMID / Held SYSMOD / Missing APAR<br>Filter | System<br>Filter | HOLDDATA Received (GMT)<br>Filter | Target Zones<br>Filter | Resolving SYSMODs Received in Global Zone<br>Filter | Resolving SYSMODs Not in Global Zone<br>Filter | Hold Class<br>Filter | Hold Symptom<br>Filter | FMID Description<br>Filter |
|---|------------------|-----------------------------------|------------------------|---|--|----------------------|------------------------|----------------------------|
| MASTER_SMPEV3.6_WITHOUT_PTFS                                    | LOCAL            | January 16, 2012 15:23:46         |                        |   |  |                      |                        | SMP/E Base                 |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00                          |                  |                                   |                        |   |  |                      |                        |                            |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HMP1J00                |                  |                                   |                        |   |  |                      |                        |                            |
| MASTER_ZOSV1.12   | LOCAL            | January 16, 2012 15:23:46         |                        |   |  |                      |                        | BCP Base                   |
| MASTER_ZOSV1.12 > HBB7770                                       |                  |                                   |                        |   |  |                      |                        |                            |
| 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, Selected: 0

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

Close Hide

Enter "hiper" for the "Text" (case doesn't matter)

Then click OK



The table now identifies all missing HIPER fixes.

IBM z/OS Management Facility

Welcome shara01

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 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      |                     |  |   |                             |                     | SMP/E Base              |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00                       |               |                                |                     |  |   |                             |                     |                         |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HMP1J00             |               |                                |                     |  |   |                             |                     |                         |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HMP1J00             |               |                                | TSM36               | U001286  |   | HIPER                       | DAL                 |                         |
| MASTER_ZOSV1.12  | LOCAL         | January 16, 2012 15:23:46      |                     |  |   |                             |                     | BCP Base                |
| MASTER_ZOSV1.12 > HBB7770                                    |               |                                |                     |  |   |                             |                     |                         |
| 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

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Close Hide

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## Step 5d ...

IBM z/OS Management Facility

Welcome shara01

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 Match: All filters Table view: Non-tree

View Maintenance Reports > 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 Tree View

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

| 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      |                     |  |   |                             |                     | SMP/E Base              |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00                       |               |                                |                     |  |   |                             |                     |                         |
| MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HMP1J00             |               |                                | TSM36               | U001286  |   | HIPER                       | DAL                 |                         |
| MASTER_ZOSV1.12  | LOCAL         | January 16, 2012 15:23:46      |                     |  |   |                             |                     | BCP Base                |
| MASTER_ZOSV1.12 > HBB7770                                    |               |                                |                     |  |   |                             |                     |                         |
| 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

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## 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 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 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 |
|---|---------------|--------------------------------|---------------------|--|---|-----------------------------|-------------------|
| <input checked="" type="checkbox"/> MASTER_SMPV3.6_WITHOUT_PTFS | LOCAL         | January 16, 2012 15:23:46      |                     |  |   |                             |                   |
| <input checked="" type="checkbox"/> HMP1300                     |               |                                |                     |  |   |                             |                   |
| <input checked="" type="checkbox"/> HMP1300                     |               |                                |                     |  |   |                             |                   |
| <input checked="" type="checkbox"/> AO14750                     |               |                                | TSM36               | U001286  |   | HIPER                       | DAL               |
| <input checked="" type="checkbox"/> MASTER_ZOSV1.12             |               | January 16, 2012 15:23:46      |                     |  |   |                             |                   |
| <input type="checkbox"/> HBB7770                                |               |                                |                     |  |   |                             |                   |
| <input type="checkbox"/> HBB7770                                |               |                                |                     |  |   |                             |                   |
| <input type="checkbox"/> AA37192                                |               |                                |                     |  | UA63547                                     | HIPER                       | FUL               |
| <input type="checkbox"/> AA37848                                |               |                                |                     |  | UA63539                                     | HIPER                       | PRF               |
| <input type="checkbox"/> AA37905                                |               |                                |                     |  |   |                             |                   |
| <input type="checkbox"/> AA38065                                |               |                                |                     |  |   |                             |                   |
| <input type="checkbox"/> AA38087                                |               |                                |                     |  |   |                             |                   |
| <input type="checkbox"/> AA38094                                |               |                                |                     |  |   |                             |                   |
| <input type="checkbox"/> AA38113                                |               |                                | TGT212              |  | 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

## Step 5e ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

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

Actions > Match: All filters Table view: Tree

Click Actions, Maintenance Reports, then Software Instance Comparison

| System | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | Hold Class Contains "hiper" | Hold Sympt |
|--------|--------------|---|--------------------------------------|-----------------------------|------------|
| LOCAL  | TSGP36       | UO01286                                   |                                      | HIPER                       | DAL        |
|        | TGTZ12       |   | UA63547                              | HIPER                       | FUL        |
|        | TGTZ12       |   | UA63539                              | HIPER                       | PR         |
|        | TGTZ12       |   | UA63624                              | HIPER                       | FUL        |
|        | TGTZ12       |   | UA63517                              | HIPER                       | FUL        |
|        | TGTZ12       |   | UA63263                              | HIPER                       | IPL        |
|        | TGTZ12       |   | UA63570                              | HIPER                       | IPL        |

Total: 149, Filtered: 108, Selected: 4

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

Close Hide

## Step 5f ...

Now you have to identify the software instance to compare to

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports > Compare Software Instances

**Select Software Instance to Compare**

First software instance: MASTER\_SMPV3.6\_WITHOUT\_PTFS on system LOCAL

Second Software Instance

Actions > Match: All filters

| Name                       | System | Messages | Description   | Activity | Global Zone CSI           | Target Zones                     | Categories |
|----------------------------|--------|----------|---|----------|---------------------------|----------------------------------|------------|
| MASTER_SMPV3.6_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 | TSGP36P                          |            |
| MASTER_ZOSV1.12            |        |          | Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R12 at 1105.               |          | ZOSMF.SWDEPLOY.GLOBAL.CSI | TGTZ12                           |            |
| MASTER_ZOS_R13_w/Other_Pro | LOCAL  |          | Source Software Instance for the z/OSMF Software Deployment Lab. This instance contains z/OS V1R13 at 1105.               |          | SMLAB01.GLOBAL.CSI        | COB320T, DT910T, PLI410T, Z1130T |            |

Click on MASTER\_SMPV3.6\_WITH\_PTFS software instance

Total: 3, Filtered: 3, Selected: 1

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OK Cancel

After selecting the MASTER\_SMPV3.6\_WITH\_PTFS software instance, click OK

## Step 5e ...

The screenshot shows the 'Select Zones' screen in the IBM z/OS Management Facility. The breadcrumb trail is 'Software Management > Software Instances > Maintenance Reports > Select Zones'. The title is 'Select the Zones to Compare'. Below the title, it explains that z/OSMF needs to know which target zones to compare. It lists two software instances: 'MASTER\_SMPEV3.6\_WITHOUT\_PTFS on system LOCAL' and 'MASTER\_SMPEV3.6\_WITH\_PTFS on system LOCAL'. A table titled 'Target Zones to be Compared' has columns for 'Target Zone in First Software Instance' and 'Target Zones in Second Software Instance'. The 'Actions' menu is open, showing options like 'Select Zones', 'Select All', 'Deselect All', 'Configure Columns...', 'Modify Filters...', 'Hide Filter Row', 'Clear Filters', 'Modify Sort...', and 'Clear Sorts'. A yellow callout box points to the 'Select Zones' action with the text: '1. Select target zone TSMP36' and '2. Then click on Actions and Select Zones'. At the bottom, it says 'Total: 1, Selected: 1' and has 'OK' and 'Cancel' buttons.

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

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## Step 5f ...

A pop-up display allows you to select the target zone in the second software instance

The screenshot shows the 'Select Zones' screen with a 'Select Zones' pop-up dialog open. The dialog has a title bar 'Select Zones' and a message: 'Select one or more target zones to compare with the selected target zones.' It shows 'Selected target zones: TSMP36'. Under 'Compare with:', there is a section 'Target Zone in Second Software Instance' with a list containing 'TSMP36P' which is selected. At the bottom of the dialog, it says 'Total: 1, Selected: 1' and has 'OK', 'Cancel', and 'Help' buttons. A yellow callout box points to the 'OK' button with the text: '1. Select target zone TSMP36P' and '2. Then click OK'. The background screen is the same as in Step 5e, but the 'Actions' menu is closed.

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

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## Step 5e ...

**IBM z/OS Management Facility** Welcome shara01

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

| Target Zone in First Software Instance | Target Zones in Second Software Instance |
|--|--|
| TSM36                                  | TSM36P                                   |

Total: 1, Selected: 1

OK Cancel

After reviewing the information, Click OK

## Step 5e ...

**IBM z/OS Management Facility** Welcome shara01

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.

| Software Instance / FMID / Held SYSMOD / Missing APAR | System | HOLDDATA Received (GMT)   | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | Hold Class Contains "hiper" | Hold Symp |
|---|--------|---------------------------|--------------|---|--------------------------------------|-----------------------------|-----------|
| MASTER_SMPEV3.6_WITHOUT_PTFS                          | LOCAL  | January 16, 2012 15:23:46 |              |   |                                      |                             |           |
| HMP1J00   |        |                           |              |   |                                      |                             |           |
| AO14750   |        |                           |              |   |                                      |                             |           |
| MASTER_ZOSV1.12                                       | LOCAL  |                           |              |   |                                      |                             |           |
| HB87770   |        |                           |              |   |                                      |                             |           |
| AA37192   |        |                           |              |   |                                      |                             |           |
| AA37040   |        |                           |              |   |                                      |                             |           |
| AA37905   |        |                           |              |   |                                      |                             |           |
| AA38065   |        |                           |              |   |                                      |                             |           |
| AA38087   |        |                           |              |   |                                      |                             |           |
| AA38094   |        |                           |              |   |                                      |                             |           |
| AA38113   |        |                           |              |   |                                      |                             |           |

Total: 149, Filtered: 108, Selected: 4

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Close Hide

Creating the Software Instance Comparison report. 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

S

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 Software Instance Comparison x

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 function 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

| FIMD/SYSMOD | Description   | Type | Target Zone in First Software Instance | Target Zone in Second Software Instance | SYSMOD Received in Global Zone |
|-------------|---|------|--|---|--------------------------------|
| 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

Notice that a fourth tab was created under Maintenance Reports.

Step 3e ...

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 Software Instance Comparison x

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 function 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

- 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

| FIMD/SYSMOD | Description   | Type | Target Zone in First Software Instance | Target Zone in Second Software Instance | SYSMOD Received in Global Zone |
|-------------|---|------|--|---|--------------------------------|
| 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



**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 x Missing FIXCAT SYSMODs x Missing SYSMODs x Instance Comparison x

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 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

| FIMD/SYSMOD<br>Filter            | Description<br>Filter                                     | Type<br>Filter | Target Zone in First Software<br>Instance<br>Filter | Target Zone in Second<br>Software Instance<br>Filter | SYSMOD Received in Global<br>Zone<br>Filter |
|----------------------------------|---|----------------|---|--|---|
| <input type="checkbox"/> HBCNC00 | SMP/E Planning and Migration Assistant Software Info Base |                |   |  |   |
| <input type="checkbox"/> U001301 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> HBCND0B | SMP/E Planning and Migration Assistant                    |                |   |  |   |
| <input type="checkbox"/> U001185 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> U001268 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> UR53091 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> HMP1J00 | SMP/E Base  |                |   |  |   |
| <input type="checkbox"/> UAPTFO1 |   | USERMOD        | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> U001198 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> U001245 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> U001247 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> U001253 |   | PTF            | TSMP36  | TSMP36P  | No  |
| <input type="checkbox"/> U001264 |   | PTF            | TSMP36  | TSMP36P  | No  |
| Total: 16, Selected: 0           |   |                |   |  |   |

Close Hide

## Step 5f: Report on “Master” Software Instances’ Instance Validation



To prepare for the next report, you will go back to the Missing Critical Service tab

## Step 5f

IBM z/OS Management Facility

Welcome shara01

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 function target zones in the first software instance.

First software instance: MASTER\_SMPV3.6\_WITHOUT\_PTFS on system LOCAL

Second software instance: MASTER\_SMPV3.6\_WITH\_PTFS on system LOCAL

SYSMODs Not Found in First Software Instance

Actions Table view: Tree

| FIMID/SYSMOD | Description   | Type    | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | Hold Class Contains "hiper" | Hold Sympt |
|--------------|---|---------|--------------|---|--------------------------------------|-----------------------------|------------|
| HBCNC00      | SMP/E Planning and Migration Assistant Software Info Base |         |              |   |                                      |                             |            |
| U001301      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| HBCND0B      | SMP/E Planning and Migration Assistant                    |         |              |   |                                      |                             |            |
| U001185      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| U001268      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| URS3091      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| HMP1J00      | SMP/E Base  |         |              |   |                                      |                             |            |
| UAPT01       |   | USERMOD | TSM36        | TSM36P                                    | No                                   |                             |            |
| U001198      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| U001245      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| U001247      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| U001253      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |
| U001264      |   | PTF     | TSM36        | TSM36P                                    | No                                   |                             |            |

Total: 16, Selected: 0

Close Hide

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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

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

SYSMOD Search Missing FIXCAT SYSMODs Missing Critical Service **Software Instance Validation**

Review the list of critical service and determine which software instance is selected.

Actions Match: All filters Table view: Tree

| SYSMOD  | End of Service            | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | Hold Class Contains "hiper" | Hold Sympt |
|---------|---------------------------|--------------|---|--------------------------------------|-----------------------------|------------|
| U001286 | January 16, 2012 15:23:46 | TSM36        | U001286                                   |                                      | 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 ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

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

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 | MaLCL: All filters | Table view: Tree

| Software Instance / FMID / Held SYSMOD / Missing APAR | System | HOLDDATA Received (GMT)   | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | Hold Class Contains "hiper" | Hold Symptom |
|---|--------|---------------------------|--------------|---|--------------------------------------|-----------------------------|--------------|
| MASTER_SMPEV3.6_WITHOUT_PTFS                          | LOCAL  | January 16, 2012 15:23:46 |              |   |                                      |                             |              |
| HMP1J00   |        |                           |              |   |                                      |                             |              |
| HMP1J00   |        |                           |              |   |                                      |                             |              |
| AO14750   |        |                           |              |   |                                      |                             |              |
| MASTER_ZOSV1.12                                       | LOCAL  |                           |              |   |                                      |                             |              |
| HBB7770   |        |                           |              |   |                                      |                             |              |
| HBB7770   |        |                           |              |   |                                      |                             |              |
| AA37192   |        |                           |              |   |                                      |                             |              |
| AA37848   |        |                           |              |   |                                      |                             |              |
| AA37905   |        |                           |              |   |                                      |                             |              |
| AA38065   |        |                           |              |   |                                      |                             |              |
| AA38087   |        |                           |              |   |                                      |                             |              |
| AA38004   |        |                           |              |   |                                      |                             |              |
| AA38113   |        |                           |              |   |                                      |                             |              |

Total: 149, Filtered: 108, Selected: 4

Refresh | Last refresh: Jan 29, 2014 3:32:11 PM

Close | Hide

Validating software instance "MASTER\_SMPEV3.6\_WITHOUT\_PTFS". This request might take several minutes to complete. 1%

Cancel

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

The results are displayed.

## Step 5f ...

IBM z/OS Management Facility

Welcome shara01

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 |
|------------------------------|--------------|---------------|
| There is no data to display. |              |               |

Total: 0

Close | Hide

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

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

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

SYSMOD Search x Missing FIXCAT SYSMODs x Missing Critical Service x Software Instance Comparison x Software Instance Validation x

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 |
|------------|--------------|
| Filter     | Filter       |

Total: 0

Close Hide

Click on the Missing FIXCAT SYSMODs tab

## Step 5f ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

SYSMOD Search x Missing FIXCAT SYSMODs x Missing Critical Service x Software Instance Comparison x Software Instance Validation x

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 | System | HOLDDATA Received (GMT)     | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | FMID Description |
|--|--------|-----------------------------|--------------|---|--------------------------------------|------------------|
| 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: 318

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

Close Hide

Deselect the other software instances so that only the MASTER\_zOS\_R13\_w/Other\_Product software instance is selected.

## Step 5f ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

Then click Actions, Maintenance Reports, then 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.

| Software Instance / Fix Category / FMID / Missing APAR | System | HOLDDATA Received (GMT)     | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | FMID Description |
|--|--------|-----------------------------|--------------|---|--------------------------------------|------------------|
| 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: 318

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

Close Hide

This validation will take a few minutes to complete

## Step 5f ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

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.

| Software Instance / Fix Category / FMID / Missing APAR | System | HOLDDATA Received (GMT)     | Target Zones | Resolving SYSMODs Received in Global Zone | Resolving SYSMODs Not in Global Zone | FMID Description |
|--|--------|-----------------------------|--------------|---|--------------------------------------|------------------|
| 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 |              |   |                                      |                  |

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 ...**

Welcome x Software Man...

Software Management > Software Instances > Maintenance Reports

**Maintenance Reports**

SYSMOD Search x Missing FIXCAT SYSMODs x Missing Critical Service x Software Instance Comparison x Software Instance Validation x Software Instance Validation x

Selected software instance: MASTER\_zOS\_R13\_w/Other\_Product on system LOCAL  
Date validated: Jan 29, 2014 5:51:27 PM (Local)

Errors

Actions Revalidate

| Message ID<br>Filter | Message Text<br>Filter  | Data Set Name<br>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 CNMCNETV.   | 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 RMD is H270410.                                   | PLI410.SIBMZPRC         |
| GIM70567E            | A LINK for HFS CDLSM008 was not found in directory /sharelab /SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is HCERY740 and the RMD is HCERY740. The LINK is ./lpp/ocsf_baseivp. | 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 RMD is HBB7780. The ALIAS is IRRSPIMH.                | SYS1.SIEAHDR.H          |

Total: 5

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

## Step 5f

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

Selected software instance: MASTER\_zOS\_R13\_w/Other\_Product on system LOCAL  
Date validated: Jan 29, 2014 5:51:27 PM (Local)

Errors

Actions Revalidate

| Message ID<br>Filter | Message Text<br>Filter  | Data Set Name<br>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 CNMCNETV.   | 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 RMD is H270410.                                   | PLI410.SIBMZPRC         |
| GIM70567E            | A LINK for HFS CDLSM008 was not found in directory /sharelab /SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is HCERY740 and the RMD is HCERY740. The LINK is ./lpp/ocsf_baseivp. | 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 RMD is HBB7780. The ALIAS is IRRSPIMH.                | SYS1.SIEAHDR.H          |

Total: 5

Close Hide

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



## Step 6: View Products

## Step 6

Click on Products

The screenshot shows the IBM z/OS Management Facility interface. At the top, there is a blue header bar with the text "IBM z/OS Management Facility" on the left and "Welcome shara01" on the right. Below the header, there is a breadcrumb trail: "Welcome > Software Man...". The main content area is titled "Software Management" and includes a sub-header: "Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODs. [Learn more...](#)". On the left side of the main content area, there is a vertical menu with the following items: "Software Instances", "Products", "Deployments", "Categories", and "Settings". A yellow callout bubble with the text "Click on Products" points to the "Products" link in this menu. To the right of the menu, there is a table with two columns: the first column lists the menu items, and the second column provides a brief description for each.

|                    |  |
|--------------------|--|
| 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.

**Products**

This table lists the products that are installed in at least one 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: ▾

| Product Filter   | Release Filter | Product ID Filter | Messages Filter | Vendor Filter | General Availability Filter | End of Service Filter | Additional Product Information Filter   |
|--|----------------|-------------------|-----------------|---------------|-----------------------------|-----------------------|---|
| <input type="checkbox"/> System Modification Program Extended for z/OS | 03.06.00       | 5655-G44          |                 | IBM           | Sep 30, 2011                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> z/OS  | 01.12.00       | 5694-A01          |                 | IBM           | Sep 24, 2010                | Sep 30, 2014          | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> Enterprise COBOL for z/OS and OS/390          | 03.02.00       | 5655-G53          |                 | IBM           | Sep 27, 2002                | Oct 3, 2005           | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> Debug Tool V9                                 | 09.01.00       | 5655-U27          |                 | IBM           | Sep 26, 2008                | Apr 30, 2012          | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> Enterprise PL/I V4                            | 04.01.00       | 5655-W67          |                 | IBM           | Sep 24, 2010                | Apr 30, 2014          | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> z/OS  | 01.13.00       | 5694-A01          |                 | IBM           | Sep 30, 2011                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> AFP FONT COLLECTION FOR S/390                 | 02.01.01       | 5648-B33          |                 | IBM           | Oct 27, 2000                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |

Total: 27, Selected: 0

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

**Products**

This table lists the products that are installed in at least one 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: ▾

| Product Filter   | Release Filter | Product ID Filter | Messages Filter | Vendor Filter | General Availability Filter | End of Service Filter | Additional Product Information Filter   |
|--|----------------|-------------------|-----------------|---------------|-----------------------------|-----------------------|---|
| <input type="checkbox"/> System Modification Program Extended for z/OS | 03.06.00       | 5655-G44          |                 | IBM           | Sep 30, 2011                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> z/OS  | 01.12.00       | 5694-A01          |                 | IBM           | Sep 24, 2010                | Sep 30, 2014          | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> Enterprise COBOL for z/OS and OS/390          | 03.02.00       | 5655-G53          |                 | IBM           | Sep 27, 2002                | Oct 3, 2005           | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> Debug Tool V9                                 | 09.01.00       | 5655-U27          |                 | IBM           | Sep 26, 2008                | Apr 30, 2012          | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> Enterprise PL/I V4                            | 04.01.00       | 5655-W67          |                 | IBM           | Sep 24, 2010                | Apr 30, 2014          | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> z/OS  | 01.13.00       | 5694-A01          |                 | IBM           | Sep 30, 2011                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |
| <input type="checkbox"/> AFP FONT COLLECTION FOR S/390                 | 02.01.01       | 5648-B33          |                 | IBM           | Oct 27, 2000                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8">http://www-01.ibm.com/ci-bin/ssalias?infotype=dd&amp;apname=ShopSeries8</a> |

Total: 27, Selected: 0

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

Close

**Click on Product**

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

IBM z/OS Management Facility

Welcome | Software Man... | Log out

Software Management > Products

**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: ▾

| Product Filter  | Release Filter | Product ID Filter | Messages Filter | Vendor Filter | General Availability Filter | End of Service Filter | Additional Product Information Filter   |
|---|----------------|-------------------|-----------------|---------------|-----------------------------|-----------------------|---|
| <input type="checkbox"/> AFP FONT COLLECTION FOR S/390        | 02.01.01       | 5648-B33          |                 | IBM           | Oct 27, 2000                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> DITTOESA FOR MVS                     | 01.03.00       | 5655-103          |                 | IBM           | Jun 25, 1999                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Debug Tool V12                       | 12.01.00       | 5655-W70          |                 | IBM           | May 11, 2012                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Debug Tool V9                        | 09.01.00       | 5655-U27          |                 | IBM           | Sep 26, 2008                | Apr 30, 2012          | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Enterprise COBOL V4                  | 04.02.00       | 5655-S71          |                 | IBM           | Aug 28, 2009                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Enterprise COBOL for z/OS and OS/390 | 03.02.00       | 5655-G53          |                 | IBM           | Sep 27, 2002                |                       | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Enterprise PL/I V4                   | 04.01.00       | 5655-W67          |                 | IBM           | Sep 24, 2010                | Apr 30, 2014          | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |

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 ...

IBM z/OS Management Facility

Welcome shara01 | Log out

Software Management > Products

**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: ▾

Click ☒ to select all software products

| Product Filter  | Release Filter | Product ID Filter | Messages Filter | Vendor Filter | General Availability Filter | End of Service Filter | Additional Product Information Filter   |
|---|----------------|-------------------|-----------------|---------------|-----------------------------|-----------------------|---|
| <input type="checkbox"/> AFP FONT COLLECTION FOR S/390        | 02.01.01       | 5648-B33          |                 | IBM           | Oct 27, 2000                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> DITTOESA FOR MVS                     | 01.03.00       | 5655-103          |                 | IBM           | Jun 25, 1999                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Debug Tool V12                       | 12.01.00       | 5655-W70          |                 | IBM           | May 11, 2012                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Debug Tool V9                        | 09.01.00       | 5655-U27          |                 | IBM           | Sep 26, 2008                | Apr 30, 2012          | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Enterprise COBOL V4                  | 04.02.00       | 5655-S71          |                 | IBM           | Aug 28, 2009                | Not Announced         | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Enterprise COBOL for z/OS and OS/390 | 03.02.00       | 5655-G53          |                 | IBM           | Sep 27, 2002                | Oct 3, 2005           | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |
| <input type="checkbox"/> Enterprise PL/I V4                   | 04.01.00       | 5655-W67          |                 | IBM           | Sep 24, 2010                | Apr 30, 2014          | <a href="http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;">http://www-01.ibm.com/ci-bin/ssalias?intotype=dd;apiname=ShopSeries&amp;</a> |

Total: 27, Selected: 0

[Refresh](#) Last refresh: Jan 29, 2014 5:56:32 PM

[Close](#)

## Step 6 ...

IBM z/OS Management Facility

Welcome shara01

Log out

Software Management > Products

**Products**

This table lists the products that are installed in at least one software instance where the product information was retrieved. The table reflects the latest SMP/E information, use the **Retrieve Product, Feature, and FMD Information** action provided in the Software Instances view. [Learn more...](#)

Switch To: ▾

Click Actions, View, and then Software Instances

| Actions                                | Product ID | Messages | Vendor | General Availability | End of Service | Additional Product Inform   |
|--|------------|----------|--------|----------------------|----------------|---|
| View                                   | 02.01.01   | 5648-B33 | IBM    | Oct 27, 2000         | Not Announced  | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Retrieve End of Service Information... | 01.03.00   | 5655-103 | IBM    | Jun 25, 1999         | Not Announced  | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Select All                             | 12.01.00   | 5655-W70 | IBM    | May 11, 2012         | Not Announced  | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Deselect All                           | 09.01.00   | 5655-U27 | IBM    | Sep 26, 2008         | Apr 30, 2012   | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Configure Columns...                   | 04.02.00   | 5655-S71 | IBM    | Aug 28, 2009         | Not Announced  | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Modify Filters...                      | 03.02.00   | 5655-G53 | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Hide Filter Row                        | 04.01.00   | 5655-W67 | IBM    | Sep 24, 2010         | Apr 30, 2014   | <a href="http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;">http://www-01.ibm.com/ci/bin/ssalias?infotype=dd&amp;apname=ShopSeries&amp;</a> |
| Clear Filters                          |            |          |        |                      |                |   |
| Modify Sort...                         |            |          |        |                      |                |   |
| Clear Sorts                            |            |          |        |                      |                |   |

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

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   |
|---|----------|------------|----------|--------|----------------------|----------------|---|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| z/OS  | 01.12.00 | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| Enterprise COBOL for z/OS and OS/390          | 03.02.00 | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| Debug Tool V9                                 | 09.01.00 | 5655-U27   |          | IBM    | Sep 26, 2008         | Apr 30, 2012   | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| Enterprise PL/I V4                            | 04.01.00 | 5655-W67   |          | IBM    | Sep 24, 2010         | Apr 30, 2014   | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| z/OS  | 01.13.00 | 5694-A01   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| AFP FONT COLLECTION FOR S/390                 | 02.01.01 | 5648-B33   |          | IBM    | Oct 27, 2000         | Not Announced  | <a href="http://bin/ss appn">http://bin/ss appn</a> |
| Debug Tool V12                                | 12.01.00 | 5655-W70   |          | IBM    | May 11, 2012         | Not Announced  | <a href="http://bin/ss appn">http://bin/ss appn</a> |

Total: 55, Selected: 0

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

Close

## Step 6 ...

IBM z/OS Management Facility

Welcome shara01

Software Management > Products > View Software Instances

**View Software Instances by Product**

Software Instances by Product

Actions Table view: Tree

Click Actions, then Expand All

| Product / Software Instance                   | Release  | Product ID | Messages | Vendor | General Availability | End of Service | Add   |
|---|----------|------------|----------|--------|----------------------|----------------|---|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |
| MASTER_SMPEV3.6_WITHOUT_PTFS                  |          |            |          |        |                      |                |   |
| MASTER_SMPEV3.6_WITH_PTFS                     |          |            |          |        |                      |                |   |
| z/OS  | 01.12.00 | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |
| MASTER_ZOSV1.12                               |          |            |          |        |                      |                |   |
| Enterprise COBOL for z/OS and OS/390          | 03.02.00 | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |
| MASTER_COBOL_3.1.0_IBM_5.1.1                  |          |            |          |        |                      |                |   |
| Debug Tool V12                                | 12.01.00 | 5655-W70   |          | IBM    | May 11, 2012         | Not Announced  | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |

Total: 55, Selected: 0

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

Close

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## Step 6 ...

Again, you can click on Actions, then Export Table Data, then All Data to export your list of SMP/E installed products to a file on your workstation so that you can use spreadsheet functions to manipulate the data or print it. Since you are using lab workstations, please don't do that.

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.

| Product / Software Instance                   | Release  | Product ID | Messages | Vendor | General Availability | End of Service | Add   |
|---|----------|------------|----------|--------|----------------------|----------------|---|
| System Modification Program Extended for z/OS | 03.06.00 | 5655-G44   |          | IBM    | Sep 30, 2011         | Not Announced  | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |
| MASTER_SMPEV3.6_WITHOUT_PTFS                  |          |            |          |        |                      |                |   |
| MASTER_SMPEV3.6_WITH_PTFS                     |          |            |          |        |                      |                |   |
| z/OS  | 01.12.00 | 5694-A01   |          | IBM    | Sep 24, 2010         | Sep 30, 2014   | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |
| MASTER_ZOSV1.12                               |          |            |          |        |                      |                |   |
| Enterprise COBOL for z/OS and OS/390          | 03.02.00 | 5655-G53   |          | IBM    | Sep 27, 2002         | Oct 3, 2005    | <a href="http://bin/ss/appna">http://bin/ss/appna</a> |
| MASTER_COBOL_3.1.0_IBM_5.1.1                  |          |            |          |        |                      |                |   |

Total: 55, Selected: 0

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

Close

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## 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.

**View Software Instances by Product**

Software Instances by Product

Actions | Table view: Tree

| Product / Software Instance<br>Filter         | System<br>Filter | Description<br>Filter  | Activity<br>Filter | Global Zone CSI<br>Filter | Target Zones<br>Filter | Categories<br>Filter | Product Feature and FMID Information Retrieved (Local)<br>Filter |
|---|------------------|--|--------------------|---------------------------|------------------------|----------------------|--|
| System Modification Program Extended for z/OS |                  |  |                    |                           |                        |                      |  |
| MASTER_SMP3V3.6_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 | TSM36                  |                      | Aug 10, 2013 7:28:52 PM  |
| MASTER_SMP3V3.6_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 | TSM36P                 |                      | 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          |                  |  |                    |                           |                        |                      |  |

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

Close

## Step 7: Deployments



## Step 7

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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   | Filter | Filter | Filter                    | Filter  | Filter | Product, Feature, and FMID Information Retrieved (Local) Filter |
|---|---------------|--|--------|--------|---------------------------|---------|--------|---|
| System Modification Program Extended for z/OS |               |  |        |        |                           |         |        |   |
| MASTER_SMP3.6_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_SMP3.6_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          |               |  |        |        |                           |         |        |   |

Total: 55, Selected: 0

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

Close

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

## Step 7 ...

### Select Deployments

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

**Software Management**

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

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



## Step 7 ...

You see a complete list of deployments.

IBM z/OS Management Facility

Welcome shara01

Log out

Software Management > Deployments

**Deployments**

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

Switch To:

| Name<br>Filter    | Description<br>Filter                                   | Activity<br>Filter | Categories<br>Filter | Source Software Instance<br>Filter | Source System<br>Filter | Target Software Instance<br>Filter | Target System<br>Filter | Target Global Zone CSI<br>Filter | Copy DLIBs<br>Filter |
|-------------------|---|--------------------|----------------------|------------------------------------|-------------------------|------------------------------------|-------------------------|----------------------------------|----------------------|
| DEMO_Deployment_S | This is a sample deployment that may be used for demos. | Completed          |                      | MASTER_SMPEV3.6_WITH_PTF           | LOCAL                   | DEMO_SMPEV3.6_WITH_PTF             | LOCAL                   | ZOSMF.SWDEPLOY.GLOBAL.CSI        |                      |

Total: 1, Selected: 0

Refresh Last refresh: Jan 29, 2014 6:32:58 PM local time (Jan 29, 2014 11:32:58 PM GMT)

Close

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

IBM z/OS Management Facility

Welcome shara01

Software Management > Deployments

**Deployments**

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

Click Actions, then New ...

| Name<br>Filter    | Description<br>Filter                                   | Activity<br>Filter | Categories<br>Filter | Source Software Instance<br>Filter | Source System<br>Filter | Target Software Instance<br>Filter | Target System<br>Filter |
|-------------------|---|--------------------|----------------------|------------------------------------|-------------------------|------------------------------------|-------------------------|
| DEMO_Deployment_S | This is a sample deployment that may be used for demos. | Completed          |                      | MASTER_SMPEV3.6_WITH_PTF           | LOCAL                   | DEMO_SMPEV3.6_WITH_PTF             | LOCAL                   |

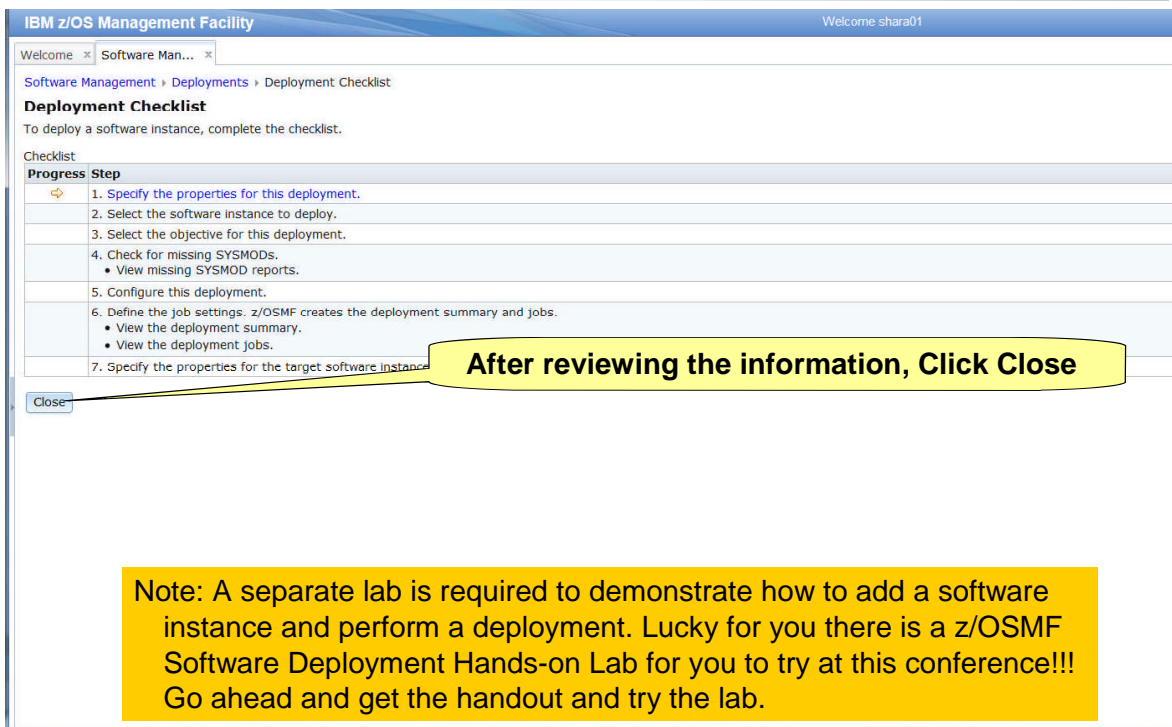
Total: 1, Selected: 0

Refresh Last refresh: Jan 29, 2014 6:32:58 PM local time (Jan 29, 2014 11:32:58 PM GMT)

Close

The deployment checklist leads you through the new deployment

## Step 7 ...



IBM z/OS Management Facility

Welcome shara01

Welcome x Software Man... x

Software Management > Deployments > Deployment Checklist

### Deployment Checklist

To deploy a software instance, complete the checklist.

Checklist

| Progress | Step   |
|----------|--|
| 100%     | 1. Specify the properties for this deployment.   |
|          | 2. Select the software instance to deploy.   |
|          | 3. Select the objective for this deployment.   |
|          | 4. Check for missing SYSMODs. <ul style="list-style-type: none"><li>View missing SYSMOD reports.</li></ul>   |
|          | 5. Configure this deployment.  |
|          | 6. Define the job settings. z/OSMF creates the deployment summary and jobs. <ul style="list-style-type: none"><li>View the deployment summary.</li><li>View the deployment jobs.</li></ul> |
|          | 7. Specify the properties for the target software instance.  |

Close

After reviewing the information, Click Close

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.

Thank You



## Additional information

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- **z/OS Management Facility website**
  - <http://ibm.com/systems/z/os/zos/zosmf/>
- **IBM z/OS Management Facility education modules in IBM Education Assistant**
  - <http://publib.boulder.ibm.com/infocenter/ieduasst/stgv1r0/index.jsp>
  - Scroll down to z/OS Management Facility
- **IBM Publications Center**
  - 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)
  - IBM z/OS V2R1.0 Management Facility License Information (GC52-1386)
    - <http://www.ibm.com/e-business/linkweb/publications/servlet/pbi.wss>
- **IBM z/OS Management Facility Information center**
  - <http://pic.dhe.ibm.com/infocenter/zos/v2r1/index.jsp>