



z/OSMF Software Management Capabilities

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IBM

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Test link: www.SHARE.org



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Agenda

- **Brief Background**
- **z/OSMF Software Management**
 - **New Reporting Capabilities**
 - **Available on z/OSMF V1.13 with additional enhancements in z/OSMF V2.1!!!**
- **Additional Enhancements to Software Management**
 - **Simplified addition of non-SMP/E managed data sets**
 - **Mass edit capabilities for z/OS UNIX mountpoints when configuring a deployment**
- **Summary**
- **Backup**

Agenda

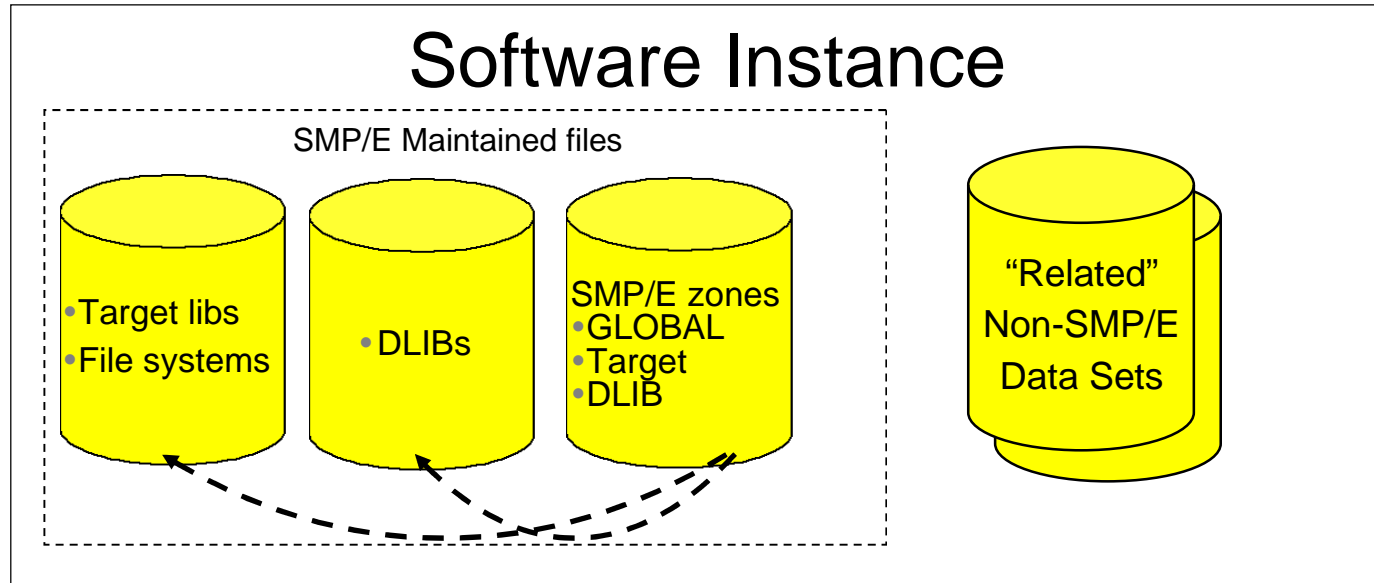
Brief Background

- z/OSMF Software Management
 - New Reporting Capabilities
 - Available on z/OSMF V1.13 with additional enhancements in z/OSMF V2.1!!!
- Additional Enhancements to Software Management
 - Simplified addition of non-SMP/E managed data sets
 - Mass edit capabilities for z/OS UNIX mountpoints when configuring a deployment
- Summary
- Backup

Background

- z/OSMF V1.13 introduced a Software Deployment function
 - Introduced a concept of a software instance
 - For Software Deployment, the primary purpose of a software instance was to identify the data sets to be deployed
- In December 2012, IBM introduced a Software Management task that extends the Software Deployment task to provide additional actions on software instances.

z/OSMF Software Instance



- A Software Instance is used to describe the SMP/E Global zone and target zone(s) that will be analyzed to identify the data sets to copy.
 - DLIB data sets and the DLIB zone are optional
- It can also include non-SMP/E managed data sets
 - Other runtime libraries
 - Configuration files and operational data sets
 - Non-SMP/E maintained ISV or user libraries
 - Non-SMP/E maintained zFS or HFS filesystems

Agenda

- Brief Background

z/OSMF Software Management

- **New Reporting Capabilities**
- **Available on z/OSMF V1.13 with additional enhancements in z/OSMF V2.1!!!**
- **Additional Enhancements to Software Management**
 - Simplified addition of non-SMP/E managed data sets
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- Summary
- Backup

z/OSMF Software Management

- In December 2012, 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 presentation will show z/OSMF V2.1 screen captures**

z/OSMF Software Management ...

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

z/OSMF Software Management



New/Renamed Software Management selection

You can also click on “About” or a “Learn More” topic

You see a list of objects in your software inventory.
You can click on a link to view details those objects

z/OSMF Software Management ...



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man...

Software Management

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

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

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

z/OSMF Software Management ...

IBM z/OS Management Facility
Welcome shara01

Welcome Software Man...

You can select Software Instances to view details about software instances

Software Management

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

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

You will see a list of software instances already defined. For each instance, you will see a description, the SMPE Global zone data set, and any associated category.

Welcome x Software Man... x

Software Management > Software Instances

Software Instances

Actions

Name Filter	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI 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	TSM36P	
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_P	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 type="checkbox"/> DEMO_SMPEV3.6_WITH_PTF	LOCAL	IZUD809I	Completed demo software instance, of SMP/E V3.6 with PTFs.		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSM36N	
<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: Feb 4, 2014 2:44:35 PM

Close

You can scroll right

By scrolling right you now see information on who created the software instance, when it was last modified, and by whom.

Software Management > Software Instances

Software Instances

Actions

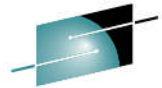
Name Filter	System Filter	Product, Feature, and FMID Information Retrieved (Local) Filter	Last Modified (Local) Filter	Modified By Filter	Created (Local) Filter	Created By Filter	Locked (Local) Filter	Loc Filter
<input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL	Oct 23, 2013 4:52:04 PM	Jun 29, 2012 5:16:51 PM	MFUSR20	Jun 29, 2012 1:32:26 PM	MFUSR14		
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_I	LOCAL	Aug 10, 2013 7:28:52 PM	Jun 29, 2012 5:18:24 PM	MFUSR20	Jun 29, 2012 1:34:31 PM	MFUSR14		
<input type="checkbox"/> MASTER_ZOSV1.12	LOCAL	Aug 12, 2013 3:56:18 PM	Jun 29, 2012 5:11:00 PM	MFUSR20	Jun 29, 2012 1:36:53 PM	MFUSR14		
<input type="checkbox"/> DEMO_SMPEV3.6_WITH_PTFS	LOCAL		Jul 16, 2012 11:30:08 AM	MFUSR15	Jul 16, 2012 11:30:08 AM	MFUSR15		
<input type="checkbox"/> MASTER_zOS_R13_wOther_Pro	LOCAL	Oct 23, 2013 4:41:01 PM	Jan 9, 2013 5:39:53 PM	GDAYNES	Jan 7, 2013 1:51:35 PM	GDAYNES		

Total: 5, Selected: 0

Refresh Last refresh: Feb 4, 2014 2:44:35 PM

Close

z/OSMF Software Management ...



You can perform Actions on selected software instances

IBM z/OS Management Facility Welcome snara01

Welcome x Software Man... x

Software Management > Software Instances

Software Instances

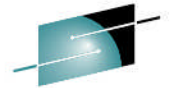
Actions

Name Filter	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI 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_P	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_PTF	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

Last refresh: Feb 4, 2014 2:44:35 PM

z/OSMF Software Management ...



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Welcome x Software Man... x

Software Management > Software Instances

Software Instances

Actions when a single Instance is selected

Actions	Categories	Product, Feature, and FMID Information Retrieved (Local) Filter	Last Modified (Local) Filter	Modified By Filter	Created (Local) Filter			
<ul style="list-style-type: none"> View <ul style="list-style-type: none"> Properties Products, Features, and FMIDs Data Sets Modify Open Deployments Copy... Remove... Retrieve Product, Feature, and FMID Information Maintenance Reports <ul style="list-style-type: none"> End of Service Software Instance Validation Missing Critical Service Missing FIXCAT SYSMODS SYSMOD Search Software Instance Comparison... Add... Show Hidden Maintenance Reports <input checked="" type="checkbox"/> Select All <input type="checkbox"/> Deselect All Configure Columns... Modify Filters... Hide Filter Row Clear Filters Modify Sort... Clear Sorts 	GLOBAL.CSI TSMP36P	Oct 23, 2013 4:52:04 PM	Jun 29, 2012 5:16:51 PM	MFUSR20	Jun 29, 2012			
			Aug 10, 2013 7:28:52 PM	Jun 29, 2012 5:18:24 PM	MFUSR20	Jun 29, 2012		
	GLOBAL.CSI TGT212	Aug 12, 2013 3:56:18 PM	Jun 29, 2012 5:11:00 PM	MFUSR20	Jun 29, 2012			
	GLOBAL.CSI TSMP36N		Jul 16, 2012 11:30:08 AM	MFUSR15	Jul 16, 2012			
<input checked="" type="checkbox"/>	MASTER_zOS_R13_wOther_Pro	LOCAL	BAL.CSI	COB320T, DT910T, PLI410T, Z1130T	Oct 23, 2013 4:41:01 PM	Jan 9, 2013 5:39:53 PM	GDAYNES	Jan 7, 2013 1

Total: 5, Selected: 1

Refresh Last refresh: Feb 4, 2014 2:44:35 PM

Close

Actions that are not valid (and therefore not operational) are grayed out and not selectable.

IBM z/OS Management Facility vwelcome shara01

Welcome x Software Man... x

Software Management > Software Instances

Software Instances

Actions when multiple instances are selected

View	Categories	Product, Feature, and FMID Information Retrieved (Local) Filter	Last Modified (Local) Filter	Modified By Filter	Created (Local) Filter
<input checked="" type="checkbox"/> MA	GLOBAL.CSI TSMP36P		Oct 23, 2013 4:52:04 PM	Jun 29, 2012 5:16:51 PM	MFUSR20 Jun 29, 2012
<input checked="" type="checkbox"/> MA			Aug 10, 2013 7:28:52 PM	Jun 29, 2012 5:18:24 PM	MFUSR20 Jun 29, 2012
<input checked="" type="checkbox"/> MA			Aug 12, 2013 3:56:18 PM	Jun 29, 2012 5:11:00 PM	MFUSR20 Jun 29, 2012
<input checked="" type="checkbox"/> DE	GLOBAL.CSI TSMP36N			Jul 16, 2012 11:30:08 AM	MFUSR15 Jul 16, 2012 1
<input checked="" type="checkbox"/> MASTER_zOS_R13_wOther_Pro	LOCAL BAL.CSI	COB320T, DT910T, PLI410T, Z1130T	Oct 23, 2013 4:41:01 PM	Jan 9, 2013 5:39:53 PM	GDAYNES Jan 7, 2013 1

Total: 5, Selected: 5

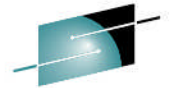
Refresh Last refresh: Feb 4, 2014 2:44:35 PM

Close

Let's look at each
of the capabilities
in more detail

View Properties

View Properties



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Welcome x Software Man... x

Software Management > Software Instances

Software Instances

Viewing Software Instance Properties is identical to existing Software Deployment capabilities

Actions		Categories	Product, Feature, and FMID Information Retrieved (Local) Filter	Last Modified (Local) Filter	Modified By Filter	Created (Local) Filter	
<input type="checkbox"/>	View						
<input type="checkbox"/>	Modify						
<input type="checkbox"/>	Open Deployments						
<input type="checkbox"/>	Copy...						
<input type="checkbox"/>	Remove...						
<input type="checkbox"/>	Retrieve Product, Feature, and FMID Information Maintenance Reports						
<input type="checkbox"/>	Add...						
<input type="checkbox"/>	Show Hidden Maintenance Reports						
<input checked="" type="checkbox"/>	Select All						
<input type="checkbox"/>	Deselect All						
<input type="checkbox"/>	Configure Columns...						
<input type="checkbox"/>	Modify Filters...						
<input type="checkbox"/>	Hide Filter Row						
<input type="checkbox"/>	Clear Filters						
<input type="checkbox"/>	Modify Sort...						
<input type="checkbox"/>	Clear Sorts						
<input type="checkbox"/>	GLOBAL.CSI TSMP36P		Oct 23, 2013 4:52:04 PM	Jun 29, 2012 5:16:51 PM	MFUSR20	Jun 29, 2012	
<input type="checkbox"/>	GLOBAL.CSI TSMP36		Aug 10, 2013 7:28:52 PM	Jun 29, 2012 5:18:24 PM	MFUSR20	Jun 29, 2012	
<input type="checkbox"/>	GLOBAL.CSI TGTZ12		Aug 12, 2013 3:56:18 PM	Jun 29, 2012 5:11:00 PM	MFUSR20	Jun 29, 2012	
<input type="checkbox"/>	GLOBAL.CSI TSMP36N			Jul 16, 2012 11:30:08 AM	MFUSR15	Jul 16, 2012 1	
<input checked="" type="checkbox"/>	MASTER_zOS_R13_wOther_Pro LOCAL	BAL.CSI	COB320T, DT910T, PLI410T, Z1130T	Oct 23, 2013 4:41:01 PM	Jan 9, 2013 5:39:53 PM	GDAYNES	Jan 7, 2013 1

Total: 5, Selected: 1

Refresh Last refresh: Feb 4, 2014 2:44:35 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

Software Management

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 0 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

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.

Software Management View MASTER_zOS_R13_w/Other_Product

SMP/E Zones

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

Total: 2, Selected: 1

Target Zones:

- COB320T
- DT910T
- PLI410T
- Z1130T

Close

The non-SMP/E Managed Data Set tab shows a list of user defined data sets associated with this software instance. They will be included in a software deployment of this instance.

Software Management > Software Instances > View Software Instance

View MASTER_zOS_R13_w/Other_Product

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

Data Sets

Actions ▾

Name Filter	Volume Filter
SYS1.PARMLIB	SHAR03
SYS1.PROCLIB	SHAR03

Total: 2

Close

**Notice that only the name and volume are listed.
To get additional attributes use the View Data Sets option.**

View Product, Feature, and FMIDs

View Products, Features, and FMIDs



You can view the Products, Features, and FMIDs that comprise one or more software instances

Activity	Global Zone CSI Filter	Target Zones	Categories
	ZOSMF.SWDEPLOY.GLOBAL.CSI TSMP36P		

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.

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

Software Management > Software Instances > View Products

View Products, Features, and FMIDs

Products, Features, and FMIDs by Software Instance

Actions | Table view: Tree

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

Total: 1784, Selected: 0

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

Note: Software Management shows installed products, to see whether the products are actually used you will need other tools such as Tivoli Asset Discovery for z/OS (TADz)

Note: Additional columns are displayed. If they don't appear, then optionally you can scroll right again.

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

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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	Additional Product Information Filter	Product Information File Version Filter	FMID Description Filter	FMID Target 2 Filter
<input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
<input type="checkbox"/> System Modification Program Extended for z/OS		http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013		
<input type="checkbox"/> SMP/E V3 Base					
<input type="checkbox"/> HBCNC00				SMP/E Planning and Migration Assistant Software Info Base	TSMP36P
<input type="checkbox"/> HBCND0B					TSMP36P
<input type="checkbox"/> HMP1J00					TSMP36P
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
<input type="checkbox"/> System Modification Program Extended for z/OS		http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44			
<input type="checkbox"/> SMP/E V3 Base					
<input type="checkbox"/> HBCNC00				SMP/E Planning and Migration Assistant Software Info Base	TSMP36
<input type="checkbox"/> HBCND0B				SMP/E Planning and Migration Assistant	TSMP36
<input type="checkbox"/> HMP1J00				SMP/E Base	TSMP36
<input type="checkbox"/> MASTER_ZOSV1.12	LOCAL				

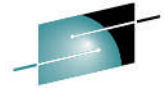
Total: 1785, Selected: 0

Last refresh: Feb 4, 2014 3:40:32 PM

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

You can scroll right, again

View Products, Features, and FMIDs ...



United States



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Offering Information > IBM Sales Manual >

Fee

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

You can also see the FMID description and the target zones where the FMID is installed. As with all z/OSMF tables, you can specify the order in which the columns appear (or if any are hidden)

IBM z/OSMF

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

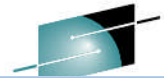
Actions | Table view: Tree

Software Instance / Product / Feature / FMID Filter	System Filter	Additional Product Information Filter	Product Information File Version Filter	FMID Description Filter	FMID Target Zones Filter
<input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
<input type="checkbox"/> System Modification Program Extended for z/OS		http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013		
<input type="checkbox"/> SMP/E V3 Base					
<input type="checkbox"/> HBCNC00				SMP/E Planning and Migration Assistant Software Info Base	TSMP36P
<input type="checkbox"/> HBCND0B				SMP/E Planning and Migration Assistant	TSMP36P
<input type="checkbox"/> HMP1J00				SMP/E Base	TSMP36P
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL				
<input type="checkbox"/> System Modification Program Extended for z/OS		http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013		
<input type="checkbox"/> SMP/E V3 Base					
<input type="checkbox"/> HBCNC00				SMP/E Planning and Migration Assistant Software Info Base	TSMP36
<input type="checkbox"/> HBCND0B				SMP/E Planning and Migration Assistant	TSMP36
<input type="checkbox"/> HMP1J00				SMP/E Base	TSMP36
<input type="checkbox"/> MASTER_ZOSV1.12	LOCAL				

Total: 1785, Selected: 0

Last refresh: Feb 4, 2014 3:40:32 PM

View Products, Features, and FMIDs ...



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

Messages Filter	Product, Feature, and FMID Information Retrieved (Local) Filter	Release Filter	Product ID Filter	Vendor Filter	General Av... Filter
	Oct 23, 2013 4:52:04 PM				
		03.06.00	5655-G44	IBM	Sep 30, 201
	Aug 10, 2013 7:28:52 PM				
		03.06.00	5655-G44	IBM	Sep 30, 201

Total: 1785, Selected: 0

Last refresh: Feb 6, 2014 3:20:50 PM

z/OSMF V2.1 added the ability to export or print the View Products, Features, and FMIDs for a software instance. You can export/print the current view or all data

View Data Sets

View Data Sets

By selecting a software instance, you can then “drill down” in that software instance and perform an Action, such as view data sets. This capability is not available outside a software deployment today!

The screenshot shows the IBM z/OS Management Facility interface. The main window title is 'IBM z/OS Management Facility'. Below the title bar, there are tabs for 'Welcome' and 'Software Man...'. The breadcrumb navigation is 'Software Management > Software Instances > View Products, Features, and FMIDs'. The main heading is 'View Products, Features, and FMIDs' with the subtitle 'Products, Features, and FMIDs by Software Instance'. A left-hand menu shows 'Actions' with a dropdown menu open, highlighting 'View Data Sets'. The main area displays a table with columns: 'Messages Filter', 'Product, Feature, and FMID Information Retrieved (Local) Filter', 'Release Filter', 'Product ID Filter', 'Vendor Filter', and 'General Av Filter'. The table contains several rows of data, including a row with the instance ID 'IZUD809I' and a timestamp 'Oct 23, 2013 4:41:01 PM'.

You can use the View Data Sets page in the Software Management task to identify all the data sets included in the software instance. The data sets included in the software instance are divided into two groups

- SMP/E managed – A SMP/E managed data set is dynamically discovered based on definitions in the target (and optionally DLIB) zones.
- non-SMP/E managed - A non-SMP/E managed data set was user specified when the software instance was defined or modified.

You can use this information to determine what will be deployed during a deployment, to identify which data sets will be affected if a product is updated or removed, and to determine whether the data sets conform to your installation's policies for naming conventions, placements, and so on.

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.

The screenshot shows a software management interface with a table of data sets. A pop-up window is displayed over the table, indicating a progress indicator for retrieving information about the data sets included in the selected software instance. The progress bar is at 60% and there is a 'Cancel' button.

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 Availability Filter
<input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL		Oct 23, 2013 4:52:04 PM				
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL		Aug 10, 2013 7:28:52 PM				
<input type="checkbox"/> MASTER_ZOSV1.12	LOCAL		Aug 12, 2013 3:56:18 PM				
<input type="checkbox"/> DEMO_SMPEV3.6_WITH_PTFS	LOCAL	<input checked="" type="checkbox"/> IZUD809I					
<input checked="" type="checkbox"/> MASTER_ZOS_R13_wOther_Product	LOCAL		Oct 23, 2013 4:41:01 PM				

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

60%

Cancel

Total: 1785, Selected: 286

Refresh Last refresh: Feb 6, 2014 3:20:50 PM

Close

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

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

You can use filters to identify conforming/non-conforming

1. Data set names
2. Data set placement, possibly based on data set type
3. Data sets with more than one extent

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > View Products, Features, and

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system

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

Actions ▾

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02	PDS	FB	80	27920	7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02	PDS	FB	80	27920	57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02	PDS	U		32760	13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02	PDS	FB	80	27920	11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01	PDS	FB	80	27920	7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01	PDS	FB	80	27920	57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01	PDS	U		32760	17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01	PDS	FB	80	27920	11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01	PDS	FB	80	27920	10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80	27920	3	100	1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80	27920	1	100	1
AOP.AAOPEXEC		Z1130D	SHAR02	PDS	FB	80	27920	2	100	1
Total: 1173										

Close

View Data Sets ...

For example, you can set a filter on the Extents column to easily identify data sets with more than one extent

IBM z/OS Management Facility

Welcome x Software Man... x

Software Management > Software Instances > View Products, Features, and FMIDs > View D

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

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

Actions ▾

Data Set Name Filter	Messages Filter	Zone Names Filter	Volumes Filter	Tracks Filter	% Used Filter	Extents Filter
ABJ.H09F210.AABJCLST		Z1130D	SHAR02	7	100	1
ABJ.H09F210.AABJLCP		Z1130D	SHAR02	57	100	1
ABJ.H09F210.AABJMLIB		Z1130D	SHAR02	1	100	1
ABJ.H09F210.AABJMOD1		Z1130D	SHAR02	13	100	1
ABJ.H09F210.AABJPLIB		Z1130D	SHAR02	11	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	1	100	1
ABJ.H09F210.SABJCLST		Z1130T	SHAR01	7	100	1
ABJ.H09F210.SABJLCP		Z1130T	SHAR01	57	100	1
ABJ.H09F210.SABJMLIB		Z1130T	SHAR01	1	100	1
ABJ.H09F210.SABJMOD1		Z1130T	SHAR01	17	100	1
ABJ.H09F210.SABJPLIB		Z1130T	SHAR01	11	100	1
ABJ.H09F210.SABJSAM1		Z1130T	SHAR01	10	100	1
ABJ.H09F210.SABJSAM2		Z1130T	SHAR01	32	100	1
ABJ.H09F210.SABJSLIB		Z1130T	SHAR01	PDS	FB	80 27920 3 100 1
ABJ.H09F210.SABJTLIB		Z1130T	SHAR01	PDS	FB	80 27920 1 100 1
AOPAAOPEXEC		Z1130D	SHAR02	PDS	FB	80 27920 2 100 1
Total: 1173						

Modify Filters

Match: All filters Match case

Columns: Filters

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

Condition: Greater than Value: 1

OK Cancel Help

Close

With the filter set, you can easily see the 10 (out of 1173) 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.

View Data

Selected software instance: K... system

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

Actions Match: All filters

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

Total: 1173, Filtered: 10

Close

The Non-SMP/E Managed Data Sets tab shows the data set attributes (unlike the View Properties tab).

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > View Products, Features, and FMIDs > View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R12..._Product on system LOCAL

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

Actions ▾

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

Total: 2

Close

View Data Sets

Selected software instance: Z/OS_V2R1_ServerPac on system CPAC

SMP/E Managed Data Sets

Non-SMP/E Managed Data Sets

	Messages <small>Filter</small>	Zone Names <small>Filter</small>	Volumes <small>Filter</small>	Data Set Type <small>Filter</small>	RECFM <small>Filter</small>
		BAD210, BAT210	C90ESD	PDS	FB
		BAD210, BAT210	C90ESD	PDS	VB
		BAD210, BAT210	C90ESD	PDS	VB
		BAD210, BAT210	C90ESD	PDS	FB
		BAD210, BAT210	C90ESD	PDS	FB
		BAD210, BAT210	C90ESD	PDS	U
AOP.AAOPPENU					FB
AOP.AAOPPJPN					FB
AOP.SAOPEXEC		BAT210	C90EST	PDS	FB
AOP.SAOPMENU		BAT210	C90EST	PDS	FB
AOP.SAOPMJPN		BAT210	C90EST	PDS	FB
AOP.SAOPPENU		BAT210	C90EST	PDS	FB
AOP.SAOPDJPN		BAT210	C90EST	PDS	FB
Total: 1239					

Actions ▼

- Configure Columns...
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts
- Export Table Data ▶
- Print Table Data ▶

z/OSMF V2.1 added the ability to export or print the SMP/E or Non-SMP/E Managed Data Sets data

You can 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

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > View Products, Features, and FMIDs > View Data Sets

View Data Sets

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL

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

Actions ▾
 Configure Columns...
 Modify Filters...
 Hide Filter Row
 Clear Filters
 Modify Sort...
 Clear Sorts
 Export Table Data ▸ Current View
 Print Table Data ▸ All Data

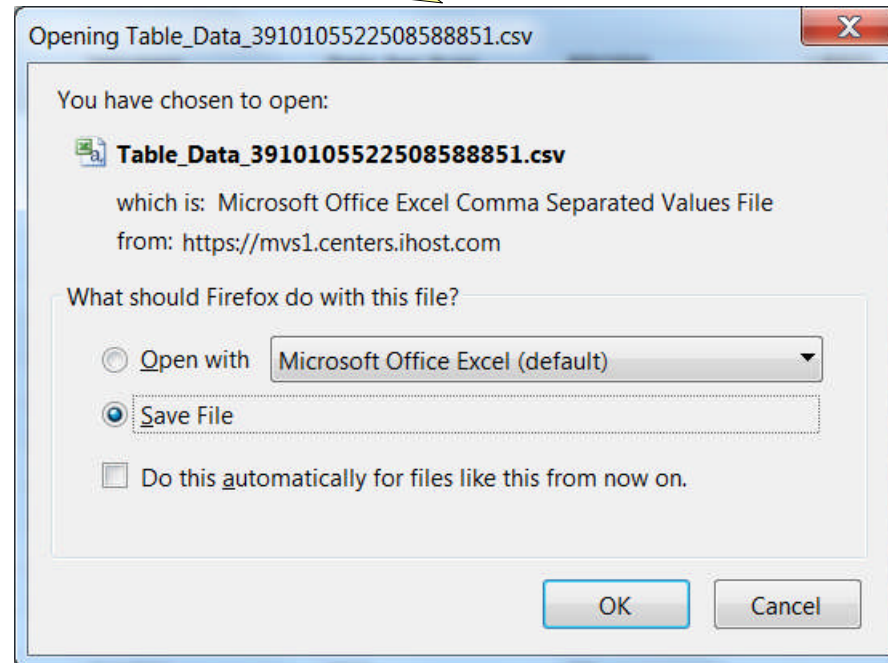
	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
		Z1130D	SHAR02	PDS	FB	80	27920	7	100	1
		Z1130D	SHAR02	PDS	FB	80	27920	57	100	1
		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
		Z1130D	SHAR02	PDS	U		32760	13	100	1
		Z1130D	SHAR02	PDS	FB	80	27920	11	100	1
		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM1		Z1130D	SHAR02	PDS	FB	80	27920	10	100	1
ABJ.H09F210.AABJSAM2		Z1130D	SHAR02	PDS	VB	1028	27998	32	100	1
ABJ.H09F210.AABJSLIB		Z1130D	SHAR02	PDS	FB	80	27920	3	100	1
ABJ.H09F210.AABJTLIB		Z1130D	SHAR02	PDS	FB	80	27920	1	100	1
ABJ.H09F210.SABJCLST		Z1130D	SHAR02	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: 1173										

z/OSMF V2.1 added the ability to export or print the SMP/E or Non-SMP/E Managed Data Sets data

Close

View Data Sets ...

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



You can launch a program like Microsoft Office Excel to view or manipulate the z/OSMF "Master" Software Instances' data set information

Microsoft Excel - Table_Data_6816090857215445794.csv

File Edit View Insert Format Tools Data Window Help Nuance PDF

100% Arial 10

A1 Data Set Name

	A	B	C	D	E	F	G	H	I	J	K	L
1	Data Set Name	Messages	Zone Name	Volumes	Data Set T	RECFM	LRECL	BLKSIZE	Tracks	% Used	Extents	
2	AOP.AAOPEXEC		DLB21	ZCS21	PDS	FB	80	27920	5	40	1	
3	AOP.AAOPHFS		DLB21	ZCS21	PDS	VB	255	27998	2292	90	1	
4	AOP.AAOPHJPN		DLB21	ZCS21	PDS	VB	255	27998	391	77	1	
5	AOP.AAOPMENU		DLB21	ZCS21	PDS	FB	80	27920	6	50	1	
6	AOP.AAOPMJPN		DLB21	ZCS21	PDS	FB	80	27920	6	50	1	
7	AOP.AAOPMOD1		DLB21	ZCS21	PDS	U		32760	214	80	1	
8	AOP.AAOPPENU		DLB21	ZCS21	PDS	FB	80	27920	86	83	1	
9	AOP.AAOPPJPN		DLB21	ZCS21	PDS	FB	80	27920	87	82	1	
10	AOP.SAOPEXEC		TGT21	ZWK21	PDS	FB	80	27920	5	40	1	
11	AOP.SAOPMENU		TGT21	ZWK21	PDS	FB	80	27920	6	50	1	
12	AOP.SAOPMJPN		TGT21	ZWK21	PDS	FB	80	27920	6	50	1	
13	AOP.SAOPPENU		TGT21	ZWK21	PDS	FB	80	27920	86	83	1	
14	AOP.SAOPPJPN		TGT21	ZWK21	PDS	FB	80	27920	87	82	1	
15	ASM.AASMMAC1		DLB21	ZCS21	PDS	FB	80	27920	15	66	1	
16	ASM.AASMMAC2		DLB21	ZCS21	PDS	FB	80	27920	8	50	1	
17	ASM.AASMMOD1		DLB21	ZCS21	PDS	U		32760	32	81	1	
18	ASM.AASMMOD2		DLB21	ZCS21	PDS	U		32760	115	85	1	
19	ASM.AASMPUT2		DLB21	ZCS21	PDS	FB	80	27920	137	84	1	
20	ASM.AASMSAM1		DLB21	ZCS21	PDS	FB	80	27920	27	77	1	
21	ASM.AASMSAM2		DLB21	ZCS21	PDS	FB	80	27920	14	71	1	
22	ASM.SASMMAC1		TGT21	ZWK21	PDS	FB	80	27920	15	66	1	
23	ASM.SASMMAC2		TGT21	ZWK21	PDS	FB	80	27920	8	50	1	
24	ASM.SASMMOD1		TGT21	ZWK21	PDS	U		32760	35	97	2	
25	ASM.SASMMOD2		TGT21	ZWK21	PDS	U		32760	62	88	1	
26	ASM.SASMPUT2		TGT21	ZWK21	PDS	FB	80	27920	137	84	1	
27	ASM.SASMSAM1		TGT21	ZWK21	PDS	FB	80	27920	27	77	1	
28	ASM.SASMSAM2		TGT21	ZWK21	PDS	FB	80	27920	14	71	1	
29	CBC.ACCNCMP		DLB21	ZCS21	PDSE	U		32760	4960	90	1	
30	CBC.ACCNSR1		DLB21	ZCS21	PDS	FB	80	27920	61	81	1	
31	CBC.ACLBDLL		DLB21	ZCS21	PDS	U		32760	53	83	1	
32	CBC.ACLBDLL2		DLB21	ZCS21	PDSE	U		32760	392	90	1	
33	CBC.ACLBHFS1		DLB21	ZCS21	PDS	VB	255	27998	188	86	1	
34	CBC.ACLBOBJ		DLB21	ZCS21	PDS	FB	80	27920	125	84	1	
35	CBC.ACLBSR1		DLB21	ZCS21	PDS	FB	120	27960	20	75	1	
36	CBC.ACTVMOD		DLB21	ZCS21	PDS	U		32760	15	66	1	
37	CBC.ACTVSR1		DLB21	ZCS21	PDS	FB	80	27920	5	40	1	
38	CBC.SCCNCMP		TGT21	ZWK21	PDSE	U		32760	4961	90	1	

Table_Data_6816090857215445794

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View Data Sets ...



- PTF for APAR PM99518 will 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

View Data Sets ...



activity Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > View Data Sets

View Data Sets

Selected software instance: zOSV2R1_Build on system AQFT

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

Actions ▾

Data Set Name Filter	Messages Filter	Messages Filter	Messages Filter	Messages Filter	Messages Filter	Messages Filter	Messages Filter	Messages Filter	Tracks Filter	% Used Filter	Extents Filter
MVSBUILD.ZOS21.CSI									7200		
AOP.AAOPEXEC		DLB21	ZCS21	PDS	FB		80	27920	5	40	1
AOP.AAOPHFS		DLB21	ZCS21	PDS	VB		255	27998	2292	90	1
AOP.AAOPHJPN		DLB21	ZCS21	PDS	VB		255	27998	391	77	1
AOP.AAOPMENU		DLB21	ZCS21	PDS	FB		80	27920	6	50	1
AOP.AAOPMJPN		DLB21	ZCS21	PDS	FB		80	27920	6	50	1
AOP.AAOPMOD1		DLB21	ZCS21	PDS	U			32760	214	80	1
AOP.AAOPPENU		DLB21	ZCS21	PDS	FB		80	27920	86	83	1
AOP.AAOPPJPN		DLB21	ZCS21	PDS	FB		80	27920	87	82	1
ASM.AASMMAC1		DLB21	ZCS21	PDS	FB		80	27920	15	66	1
ASM.AASMMAC2		DLB21	ZCS21	PDS	FB		80	27920	8	50	1
ASM.AASMMOD1		DLB21	ZCS21	PDS	U			32760	32	81	1
ASM.AASMMOD2		DLB21	ZCS21	PDS	U			32760	115	85	1
ASM.AASMPUT2		DLB21	ZCS21	PDS	FB		80	27920	137	84	1
ASM.AASMSAM1		DLB21	ZCS21	PDS	FB		80	27920	27	77	1
ASM.AASMSAM2		DLB21	ZCS21	PDS	FB		80	27920	14	71	1
CBC.ACCNCMP		DLB21	ZCS21	PDSE	U			32760	4960	90	1
CBC.ACCNSR1		DLB21	ZCS21	PDS	FB		80	27920	61	81	1
CBC.ACLBNU		DLB21	ZCS21	PDS	U			22760	52	82	1
Total: 1239											

Close

PTF for APAR PM99518 for z/OSMF V2.1 adds the ability to view SMP/E Managed UNIX Data Sets

The SMP/E Managed UNIX Data Sets tab shows the file system data sets for a software instance.

activity

Welcome x Software Man... x

Software Management > Software Instances > View Data Sets

View Data Sets

Selected software instance: zOSV2R1_Build on zOSV2R1

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

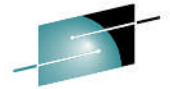
Actions | Table view: Tree

Data Set Name / UNIX Directory Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
+ OMVS.ZFS.AQTS.MVSBUILD.ZOS21		TGT21	DMPZFH	ZFS				58455		
+ OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC		TGT21	DMPZFH	ZFS				30		
+ OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FON		TGT21	OEDV15	ZFS				35010		

Total: 160

Close

View Data Sets ...



activity Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > View Data Sets

View Data Sets

Selected software instance: zOSV2R1_Build on system AQFT

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

Actions Table view: Tree

Directory	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Extents Filter
D.ZOS21		TGT21	DMPZFH	ZFS				58455		
D.ZOS21.ETC		TGT21	DMPZFH	ZFS				30		
D.ZOS21.FON		TGT21	OEDV15	ZFS				35010		

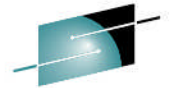
Configure Columns...
Modify Filters...
Hide Filter Row
Clear Filters
Modify Sort...
Clear Sorts
Export Table Data
Print Table Data
Expand All
Collapse All
Switch to Non-Tree View

Total: 160

Close

You can expand one or more data sets to view path names in an SMP/E DDDEF that are in that file system data set.

View Data Sets ...



Welcome x Software Man... x

Software Management > Software Instances > View Data Sets

View Data Sets

Selected software instance: zOSV2R1_Build on system AQFT

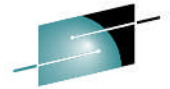
SMP/E Managed Data Sets SMP/E Managed UNIX Data Sets Non-SMP/E Managed Data Sets

Actions Table view: Tree

Data Set Name / UNIX Directory Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Ex Fill
<input type="checkbox"/> OMVS.ZFS.AQTS.MVSBUILD.ZOS21 <ul style="list-style-type: none"> <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/NFS/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/bin/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/classes/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/help/En_US/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/help/Ja_JP/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/Images/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/Scripts/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/html/En_US/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/html/Ja_JP/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/xsl/Controls/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv/InfoprintCentral/xml/En_US/IBM/ <input type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/Printsrv 		TGT21	DMPZFH	ZFS				58455		
Total: 160										

Close

View Data Sets ...



activity Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > View Data Sets

View Data Sets

Selected software instance: zOSV2R1_Build on system AQFT

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

Actions ▾ | Table view: Tree

Data Set Name / UNIX Directory Filter	Messages Filter	Zone Names Filter	Volumes Filter	Data Set Type Filter	RECFM Filter	LRECL Filter	BLKSIZE Filter	Tracks Filter	% Used Filter	Ex Fil
▪ /u/mvsbuild/zos21/usr/lpp/internet/samples/SNMP/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/dfs/global/lib/nls/msg/Ja_JP/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/dfs/global/lib/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/dfs/global/bin/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/dfs/global/examples/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/dfs/global/scripts/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/dfs/global/src/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/sdsf/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/ispf/bin/IBM/										
▪ /u/mvsbuild/zos21/usr/lpp/eim/IBM/										
☑ OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC		TGT21	DMPZFH	ZFS				30		
▪ /u/mvsbuild/zos21/etc/IBM/										
☑ OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FON		TGT21	OEDV15	ZFS				35010		
▪ /u/mvsbuild/zos21/usr/lpp/fonts/worldtype/IBM/										
Total: 160										

Close

z/OSMF End of Service Report

Prepare to be WOWed!!!

You can select the End of Service Report

The screenshot shows the IBM z/OS Management Facility interface. The 'Software Instances' table is visible with columns for Name, Description, Activity, Global Zone CSI, Target Zones, and Categories. A context menu is open over the table, showing the 'Maintenance Reports' sub-menu with 'End of Service' selected. A yellow callout bubble points to this option.

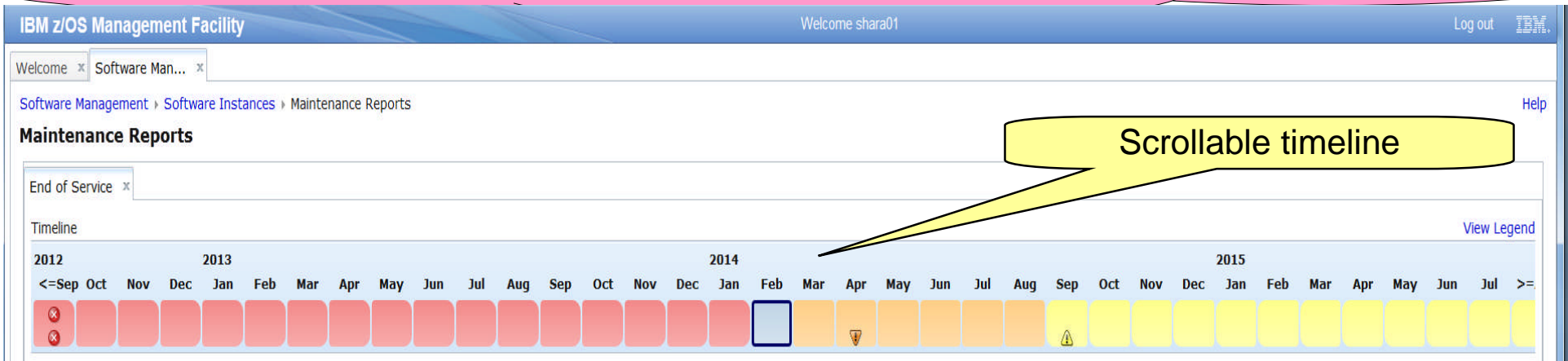
Name	Description	Activity	Global Zone CSI	Target Zones	Categories
MA...	Source software instance for the z/OSMF Software Deployment Lab. This instance		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36P	
MA...	Source software instance for the z/OSMF Software Deployment Lab. This instance		ZOSMF.SWDEPLOY.GLOBAL.CSI	TSMP36	
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	

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

The display shows any product that was in a selected software instance with information about the product's general availability and end of service



The timeline contains 36 bars, which represent the following months:

- **Past Months.** Seventeen bars represent the months that occurred before the current month.
- **Current Month.** One bar represents the month in which the current date occurs.
- **Near Future Months.** Six bars represent the months that will occur within six months after the current month.
- **Distant Future Months.** Twelve bars represent the months that will occur more than six months after the current month.

If the end of service date for a product occurs within the months included in the timeline, a status icon is displayed for that product indicating

- The end of service date has passed.
- The end of service date equals the current date or will occur within six months of the current date.
- The end of service date will occur more than six months after the current 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.

The screenshot displays the 'Maintenance Reports' section in the IBM Software Management console. At the top, there is a breadcrumb trail: 'Software Management > Software Instances > Maintenance Reports'. Below this, the 'End of Service' filter is set to 'x'. The main area features a 'Timeline' view spanning from 2012 to 2015. The timeline consists of a grid of monthly cells, each with a color and an icon. A yellow callout bubble points to the icons, stating 'Icons represented in timeline'. Another yellow callout bubble points to the legend, stating 'Legend to describe calendar colors and icons'. A red circle highlights a 'View Legend' link in the top right corner. Below the timeline is a table titled 'Software Instances by Product' with columns for 'Product / Software Instance', 'Release', 'Product ID', 'Meas', 'End of Service', 'Additional Product Information', and 'Product Information File Version'. The table lists several products, including 'System Modification Program Extended for z/OS', 'z/OS', 'Enterprise COBOL for z/OS and OS/390', and 'Debut Tool V9'. A 'View Legend' dialog box is open over the table, showing a legend with the following entries:

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

At the bottom of the screenshot, there is a 'Refresh' button and a timestamp: 'Last refresh: Feb 3, 2014 10:51:23 AM'. A yellow banner at the bottom of the page contains the text: 'IBM does not encourage you to run products beyond their end of service date. In fact you can use this function to assist in your planning to complete your upgrade prior to products reaching their end of service date.'

End of Service Report ...



IBM z/OS Management Facility Welcome shara01 [Log out](#)

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports Help

Maintenance Reports

You can hover over an icon and view the flyover help that is available to view product information

End of Service x

Timeline View Legend

2012	2013	2014	2015
<= Sep Oct Nov	Product: z/OS End of service: Sep 30, 2014 Release: 01.12.00 Product ID: 5694-A01 Vendor: IBM Announcement: http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5694-A01		Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul >=

Retrieve End of Service Information...

Software Instances by Product

Actions Table view: Tree

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

Total: 55, Selected: 0

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

Close Hide

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 x Software Man... x

[Software Management](#) > [Software Instances](#) > [Maintenance Reports](#) [Help](#)

Maintenance Reports

End of Service x

Timeline [View Legend](#)

2012 2013 2014 2015

<=Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul >=

Retrieve End of Service Information...

Software Instances by Product

Actions | Table view: Tree

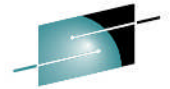
Product / Software Instance Filter	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Product Information Filter	Product Information File Version Filter
<input type="checkbox"/> System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	<input checked="" type="checkbox"/> Not Announced	http://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=897/ENUS5655-G44	Oct 17, 2013
<input type="checkbox"/> ▪ MASTER_SMPEV3.6_WITHOUT_PTFS								
<input type="checkbox"/> ▪ MASTER_SMPEV3.6_WITH_PTFS								

Total: 55, Selected: 0

[Refresh](#) Last refresh: Feb 3, 2014 10:51:23 AM

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

End of Service Report ...



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

End of Service x

Timeline

012 2013 2014

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

Retrieve End of Service Information...

Software Instances by Product

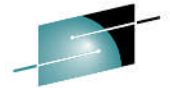
Actions Table view: Tree

Product ID	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Information
00	5655-G44		IBM	Sep 30, 2011	Not Announced	http://bin/app
00	5694-A01		IBM	Sep 24, 2010	Sep 30, 2014	http://bin/app
00	5655-G53		IBM	Sep 27, 2002	Oct 3, 2005	http://bin/app
00	5655-U27		IBM	Sep 26, 2008	Apr 30, 2012	http://bin/app

Export Table Data (Current View / All Data)

z/OSMF V2.1 added the ability to export or print the software instances by product information

End of Service Report ...



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

End of Service x

Timeline

012 2013

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

Retrieve End of Service Information...

Software Instances by Product

Actions | Table view: Tree

Product / Software Instance Filter	Release Filter	End of Service Filter	Adc Filt
<input type="checkbox"/> System Modification Program Extended for z/OS	03.06.00	<input checked="" type="checkbox"/> Not Announced	http bin/ app
<input type="checkbox"/> z/OS	01.12.00	<input type="checkbox"/> Sep 30, 2014	http bin/ app
<input type="checkbox"/> Enterprise COBOL for z/OS and OS/390	03.02.00	<input checked="" type="checkbox"/> Oct 3, 2005	http bin/ app
<input type="checkbox"/> Debug Tool V9	09.01.00	<input checked="" type="checkbox"/> Apr 30, 2012	http

Total: 55, Selected: 0

Refresh Last refresh: Feb 4, 2014 3:15:43 PM

Close Hide

Opening Table_Data_8144511132720475661.csv

You have chosen to open:

Table_Data_8144511132720475661.csv
which is: Microsoft Office Excel Comma Separated Values File
from: https://mvs1.centers.ihost.com

What should Firefox do with this file?

Open with Microsoft Office Excel (default)

Save File

Do this automatically for files like this from now on.

Microsoft Excel - Table_Data_8144511132720475661.xls

File Edit View Insert Format Tools Data Window Help Nuance PDF

100% Arial 10 B I U

Q1 Last Modified (Local)

	A	B	C	D	E	F	G	
1	Product / Software Instance	Release	Product ID	Messages	Vendor	General Availability	End of Service	Additional Information
2	System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	2011-09-29		http://www-
3	System Modification Program Extended for z/OS -> MASTER_SMPEV3.6_WITHOUT_PTFS							
4	System Modification Program Extended for z/OS -> MASTER_SMPEV3.6_WITH_PTFS							
5	z/OS	01.12.00	5694-A01		IBM	2010-09-23	2014-09-29	http://www-
6	z/OS -> MASTER_ZOSV1.12							
7	Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	2002-09-26	2005-10-02	http://www-
8	Enterprise COBOL for z/OS and OS/390 -> MASTER_zOS_R13_w/Other_Product							
9	Debug Tool V9	09.01.00	5655-U27		IBM	2008-09-25	2012-04-29	http://www-
10	Debug Tool V9 -> MASTER_zOS_R13_w/Other_Product							
11	Enterprise PL/I V4	04.01.00	5655-W67		IBM	2010-09-23	2014-04-29	http://www-
12	Enterprise PL/I V4 -> MASTER_zOS_R13_w/Other_Product							
13	z/OS	01.13.00	5694-A01		IBM	2011-09-29		http://www-
14	z/OS -> MASTER_zOS_R13_w/Other_Product							
15	AFP FONT COLLECTION FOR S/390	02.01.01	5648-B33		IBM	2000-10-26		http://www-
16	AFP FONT COLLECTION FOR S/390 -> MASTER_zOS_R13_w/Other_Product							
17	Debug Tool V12	12.01.00	5655-W70		IBM	2012-05-10		http://www-
18	Debug Tool V12 -> MASTER_zOS_R13_w/Other_Product							
19	DITTO/ESA FOR MVS	01.03.00	5655-103		IBM	1999-06-24		http://www-
20	DITTO/ESA FOR MVS -> MASTER_zOS_R13_w/Other_Product							
21	Enterprise COBOL V4	04.02.00	5655-S71		IBM	2009-08-27		http://www-
22	Enterprise COBOL V4 -> MASTER_zOS_R13_w/Other_Product							
23	Fault Analyzer V12	12.01.00	5655-W69		IBM	2012-05-10		http://www-
24	Fault Analyzer V12 -> MASTER_zOS_R13_w/Other_Product							
25	IBM Ported Tools for z/OS	01.02.00	5655-M23		IBM	2010-07-08		http://www-
26	IBM Ported Tools for z/OS -> MASTER_zOS_R13_w/Other_Product							
27	IBM 64-bit SDK for z/OS Java 2 Technology Edition V7	07.00.00	5655-W44		IBM	2011-10-27		http://www-
28	IBM 64-bit SDK for z/OS Java 2 Technology Edition V7 -> MASTER_zOS_R13_w/Other_Product							
29	IBM Tivoli OMEGAMON DE on z/OS	05.01.00	5698-T06		IBM	2012-03-08		http://www-
30	IBM Tivoli OMEGAMON DE on z/OS -> MASTER_zOS_R13_w/Other_Product							
31	IBM 31-bit SDK for z/OS Java 2 Technology Edition V7	07.00.00	5655-W43		IBM	2011-10-27		http://www-
32	IBM 31-bit SDK for z/OS Java 2 Technology Edition V7 -> MASTER_zOS_R13_w/Other_Product							
33	IBM Tivoli NetView for z/OS	06.01.00	5697-NV6		IBM	2011-05-26		http://www-
34	IBM Tivoli NetView for z/OS -> MASTER_zOS_R13_w/Other_Product							
35	Enterprise PL/I V4	04.02.00	5655-W67		IBM	2011-09-29		http://www-
36	Enterprise PL/I V4 -> MASTER_zOS_R13_w/Other_Product							
37	IBM PAGE PRINTER FORMATTING AID/370	01.01.00	5688-190		IBM	1990-12-13		http://www-
38	IBM PAGE PRINTER FORMATTING AID/370 -> MASTER_zOS_R13_w/Other_Product							

Table_Data_8144511132720475661

End of Service Report ...



IBM z/OS Management Facility

Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports > Product Information Files

Select Product Information File

A product information file contains information about one or more products, such as the product announce date, general availability date, and end of service date. Use the **Retrieve** or **Retrieve from information file** into z/OSMF.

Product Information Files

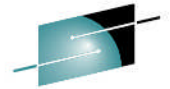
File Filter	Description Filter	Version Filter	Activity Filter	HTTP Proxy Filter	Last Retrieved (Local) Filter	Retrieved By Filter
<input type="checkbox"/> http://public.dhe.ibm.com/services/zosmf/JSONS/IBMProductEOS.txt	This product information file contains details about IBM System z® software.	Oct 17, 2013			Oct 23, 2013 3:47:45 PM	MFUSR17

You can use the Select Product Information File page to select the product information file from which to retrieve information for your products. You can also use this page to add, modify, view, and remove product information files. By default, the product information file that IBM supplies for System z software is provided.

Total: 1, Selected: 0

Last refresh: Feb 6, 2014 4:05:49 PM local time (Feb 6, 2014 9:05:49 PM GMT)

End of Service Report ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports > Product Information Files

Select Product Information File

A product information file contains information about one or more products, such as the product announce date, general availability date, and end of service date. Use the **Retrieve** or **Retrieve from Local Workstation** action to retrieve a product information file into z/OSMF.

Product Information Files

<input checked="" type="checkbox"/>	Actions	Version Filter	Activity Filter	HTTP Proxy Filter	Last Retrieved (Local) Filter	Retrieved By Filter	
<input type="checkbox"/>	<ul style="list-style-type: none">ViewModifyCopy...RetrieveRemove...Add...Retrieve from Local Workstation...<input checked="" type="checkbox"/> Select All<input type="checkbox"/> Deselect AllConfigure Columns...Modify Filters...Hide Filter RowClear FiltersModify Sort...Clear Sorts	information file ails about IBM oftware.	Oct 17, 2013			Oct 23, 2013 3:47:45 PM	MFUSR17

Total: 1, Selected: 0

Last refresh: Feb 6, 2014 4:05:49 PM local time (Feb 6, 2014 9:05:49 PM GMT)

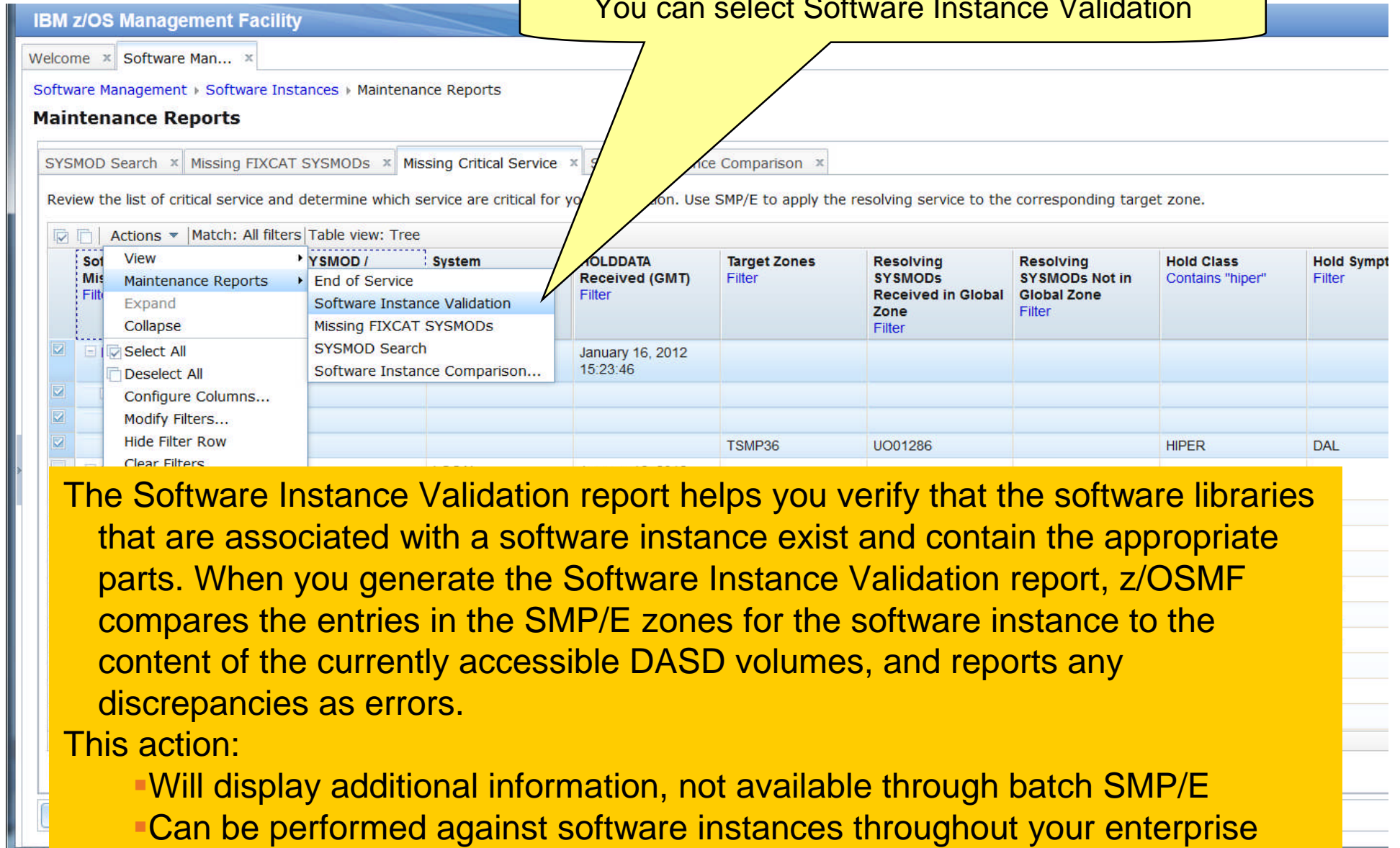
You can use the Add Action to define another source for the Product Information File. It can be a URL or host data set or path name

You can use the Retrieve from Local Workstation Action to use a Product Information File that resides on your local workstation.

z/OSMF Software Instance Validation Report

Software Instance Validation

You can select Software Instance Validation



The screenshot shows the IBM z/OS Management Facility interface. The breadcrumb trail is "Software Management > Software Instances > Maintenance Reports". The page title is "Maintenance Reports". There are several tabs at the top: "SYSMOD Search", "Missing FIXCAT SYSMODs", "Missing Critical Service", and "Software Instance Comparison". Below the tabs is a descriptive text: "Review the list of critical service and determine which service are critical for your system. Use SMP/E to apply the resolving service to the corresponding target zone." A table is displayed with columns: "SYSMOD / System", "HOLDDATA Received (GMT)", "Target Zones", "Resolving SYSMODs Received in Global Zone", "Resolving SYSMODs Not in Global Zone", "Hold Class", and "Hold Sympt". A context menu is open over the table, showing options: "View", "Maintenance Reports", "Expand", "Collapse", "Select All", "Deselect All", "Configure Columns...", "Modify Filters...", "Hide Filter Row", and "Clear Filters". The "Maintenance Reports" option is highlighted, and a sub-menu is open showing "Software Instance Validation" as the selected option.

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

This validation will take a few minutes to complete

Software Instance Validation

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 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 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				
<input type="checkbox"/> MASTER_ZOSV1.12	LOCAL					
<input checked="" type="checkbox"/> MASTER_zOS_R13_w/Other_Product	LOCAL					

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

52%

Cancel

Total: 556, Selected: 318

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

Close Hide

Progress indicator, you can cancel the request

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

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

SYSMOD Search x Missing FIXCAT SYSMODs x Missing Critical Service x Software Instance C

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 Filter	Message Text Filter	Data Set Name Filter
⊗ GIM70564E	LMOD ABJDBG was not found in data set DT910.SABJMOD1 on volume SHAR01 from DDDEF entry SABJMOD1 in TARGET zone DT910T.	DT910.SABJMOD1
⊗ GIM70565E	A ALIAS for LMOD CNMCNETV was not found in data set NETVIEW.SCNMLPA1 on volume SHAR01 from DDDEF entry SCNMLPA1 in TARGET zone Z1130T. The ALIAS is CNMNETV.	NETVIEW.SCNMLPA1
⊗ GIM70562E	SAMP IBMZCPLG was not found in data set PLI410.SIBMZPRC on volume SHAR01 from DDDEF entry SIBMZPRC in TARGET zone PLI410T. The FMID for IBMZCPLG is H270410 and the RMID is H270410.	PLI410.SIBMZPRC
⊗ GIM70567E	A LINK for HFS CDSLMO08 was not found in directory /sharelab/SMLAB01/usr/lpp/ocsf/IBM/ from DDDEF entry SCDSHFS in TARGET zone Z1130T. The FMID is HCRY740 and the RMID is HCRY740. The LINK is ../ivp/ocsf_baseivp.	SMLAB01.ROOT
⊗ GIM70563E	A ALIAS for DATA IRRSPIMH was not found in data set SYS1.SIEAHDR.H on volume SHAR01 from DDDEF entry SIEAHDR in TARGET zone Z1130T. The FMID is HBB7780 and the RMID is HBB7780. The ALIAS is IRRSPIM.	SYS1.SIEAHDR.H

Total: 5

Close Hide

Load module missing from its target library

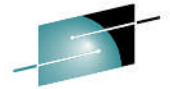
A load module alias is missing from its target library

An SMP/E SAMP element is missing from its target library

A z/OS UNIX LINK was not found in mounted file systems

An alias of an SMP/E DATA element is missing from its target library

Software Instance Validation ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

Software Instance Validation x

Selected software instance: MASTER_zOS_R13_w/Other_Product on system LOCAL
Date validated: Feb 6, 2014 4:31:34 PM (Local)

Errors

Actions ▾ Revalidate

Message Text	Data Set Name
ABJDBG was not found in data set DT910.SABJMOD1 on volume SHAR01 from DDDEF entry SABJMOD1 in TARGET zone Z1130T.	DT910.SABJMOD1
ALIAS for LMOD CNMCNETV was not found in data set NETVIEW.SCNMLPA1 on volume SHAR01 from DDDEF entry SCNMLPA1 in TARGET zone Z1130T. The ALIAS is CNMNETV.	NETVIEW.SCNMLPA1
not found in data set PLI410.SIBMZPRC from DDDEF entry SIBMZPRC in TARGET zone Z1130T. The FMID for IBMZCPLG is H270410 and the RMID is H270410.	PLI410.SIBMZPRC
A LINK for HFS CDSI M008 was not found in data set /SMLAB01/USMLAB01.ROOT in TARGET zone Z1130T. The FMID is H270410 and the RMID is H270410.	/SMLAB01/USMLAB01.ROOT
A ALIAS for D... on volume SHAR01 from DDDEF entry SYS1.SIEAHDR.H in TARGET zone Z1130T. The FMID is HBB7780 and the RMID is HBB7780. The ALIAS is IRRSPIM.	

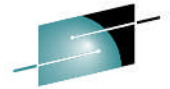
Total: 5

Close Hide

z/OSMF V2.1 added the ability to export or print the validation errors

z/OSMF Missing Critical Fix Report

Missing Critical Service



You can report on missing critical service

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. Apply the resolving SYSMODs to the corresponding target zone.

Actions Table view: Tree

Software Instance	FIMID / Missing System	Received (GMT)	Target Zones	Resolving SYSMODs Received in Global Zone	Resolving SYSMODs Not in Global Zone	FIMID Description
PTFS	LOCAL	January 16, 2012 15:38:30	Filter	Filter	Filter	Filter
	LOCAL	January 16, 2012 15:38:30				
duct	LOCAL	September 28, 2012 11:33:57				

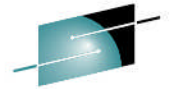
Total: Refre Close

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

While similar to REPORT ERRSYSMODS, this action:

- Can be performed against multiple software instances at the same time
- Can be performed against software instances throughout your enterprise

Missing Critical Service ...



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
<input checked="" type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL	January 16, 2012 15:38:30				
<input checked="" type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:38:30				
<input checked="" type="checkbox"/> MASTER_ZOSV1.12	L					
<input checked="" type="checkbox"/> MASTER_ZOS_R13_w/Other_Product	L					

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

Total: 556, Selected: 556

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

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

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

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

SYSMOD Search x Missing FIXCAT SYSMODs x Missing Critical Service x

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

Actions | Table view: Tree

Software Instance / FMD / Held SYSMOD / Missing APAR Filter	System Filter	HOLDDATA Received (GMT) Filter	Target Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Filter	Hold Symptom Filter	FMD Description Filter
<input type="checkbox"/> + MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46						
<input type="checkbox"/> + MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:23:46						
<input type="checkbox"/> + MASTER_ZOS_R13_w/Other_Product	LOCAL	September 28, 2012 11:33:57						

Total: 149, Selected: 0

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

Similar to REPORT ERRSYSMODS Output displayed in tree table format

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

SYSMOD Search x Missing FIXCAT SYSMODs x Missing Critical Service x

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

Actions | Table view: Tree

Software Instance / FMID / Held SYSMOD / Missing APAR Filter	System Filter	HOLDDATA Received (GMT) Filter	Target Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Filter	Hold Symptom Filter	FMID Description Filter
<input type="checkbox"/> <input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46						
<input type="checkbox"/> <input type="checkbox"/> HMP1J00								SMP/E Base
<input type="checkbox"/> <input type="checkbox"/> HMP1J00								
<input type="checkbox"/> <input type="checkbox"/> AO14750			TSMP36	U001286		HIPER	DAL	
<input type="checkbox"/> <input type="checkbox"/> MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:23:46						
<input type="checkbox"/> <input type="checkbox"/> HBB7770								BCP Base
<input type="checkbox"/> <input type="checkbox"/> HBB7770								
<input type="checkbox"/> <input type="checkbox"/> AA37192			TGTZ12		UA63547	HIPER	FUL	
<input type="checkbox"/> <input type="checkbox"/> AA37848			TGTZ12		UA63539	HIPER	PRF	
<input type="checkbox"/> <input type="checkbox"/> AA37905			TGTZ12		UA63624	HIPER	FUL	
<input type="checkbox"/> <input type="checkbox"/> AA38065			TGTZ12		UA63517	HIPER	FUL	
<input type="checkbox"/> <input type="checkbox"/> AA38087			TGTZ12		UA63263	HIPER	IPL	
<input type="checkbox"/> <input type="checkbox"/> AA38094			TGTZ12			HIPER	IPL	
<input type="checkbox"/> <input type="checkbox"/> AA38113			TGTZ12		UA63570	HIPER	IPL	

Total: 149, Selected: 0

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

Similar to REPORT ERRSYSMODS Output displayed in non-tree table format

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: Non-tree

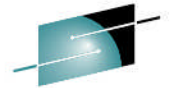
Software Instance / FIMD / Held SYSMOD / Missing APAR Filter	System Filter	HOLDDATA Received (GMT) Filter	Target Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Contains "hiper"	Hold Symptom Filter	FIMD Description Filter
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS	LOCAL	January 16, 2012 15:23:46						
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00								SMP/E Base
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HM								
<input type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS > HMP1J00 > HM			TSMP36	U001286		HIPER	DAL	
<input type="checkbox"/> MASTER_ZOSV1.12	LOCAL	January 16, 2012 15:23:46						
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770								BCP Base
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770								
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA37192			TGTZ12		UA63547	HIPER	FUL	
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA37848			TGTZ12		UA63539	HIPER	PRF	
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA37905			TGTZ12		UA63624	HIPER	FUL	
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA38065			TGTZ12		UA63517	HIPER	FUL	
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA38087			TGTZ12		UA63263	HIPER	IPL	
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA38094			TGTZ12			HIPER	IPL	
<input type="checkbox"/> MASTER_ZOSV1.12 > HBB7770 > HBB7770 > AA38113			TGTZ12		UA63570	HIPER	IPL	

Total: 149, Filtered: 108, Selected: 0

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

You can filter in the Hold Class column to see just missing HIPER PTFs

Missing Critical Service ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

Missing Critical Service x

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

SYSMOD /	System Filter	HOLDDATA Received (GMT) Filter	Target Zones Filter	Resolving SYSMODs Received in Global Zone Filter	Resolving SYSMODs Not in Global Zone Filter	Hold Class Filter	Hold Symp Filter
PTFS	LOCAL	January 16, 2012 15:23:46					
	LOCAL	January 16, 2012 15:23:46	TSMP36	UO01286		HIPER	DAL
			TGTZ12		UA63547	HIPER	FUL
					UA63530	HIPER	PRF
							FUL
							FUL
							IPL
			TGTZ12			HIPER	IPL
			TGTZ12		UA63570	HIPER	IPL

Total: 149, Selected: 0

Refresh Last refresh: Feb 6, 2014 4:43:18 PM

Close Hide

z/OSMF V2.1 added the ability to export or print the missing critical fixes data

z/OSMF Missing FIXCAT SYSMODs Report

Missing FIXCAT SYSMODs



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

SYSMOD	System	Type Filter	F MID Filter	Status Filter	Installed Filter
End of Service					
Software Instance Validation					
Missing Critical Service					
Missing FIXCAT SYSMODs					
Software Instance Comparison...					

You can report on missing service for SMP/E Fix Categories

Total:

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

Missing FIXCAT SYSMODs ...



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 checked="" type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
<input checked="" type="checkbox"/> MASTER_SMPEV3.6_WITHOUT_PTFS					
<input checked="" type="checkbox"/> MASTER_ZOSV1.12					
<input checked="" type="checkbox"/> MASTER_zOS_R13_w/Other_Product					

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

Total: 55, Selected: 55

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

Results shown in a scrollable tree table. You 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
<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_w/Other_Product	LOCAL	September 28, 2012 11:33:57				

Total: 556, Selected: 0

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

Similar to REPORT MISSINGFIX Output displayed in tree table format

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.

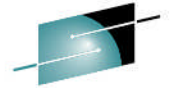
Actions | Table view: Tree

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
<input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL	January 16, 2012 15:38:30				
<input type="checkbox"/> IBM.Coexistence.z/OS.V1R11						
<input type="checkbox"/> HMP1J00						SMP/E Base
<input type="checkbox"/> AACOEX1			TSMP36P		UACOEX2	
<input type="checkbox"/> IBM.Coexistence.z/OS.V1R12						
<input type="checkbox"/> HMP1J00						SMP/E Base
<input type="checkbox"/> AACOEX1			TSMP36P		UACOEX2	
<input type="checkbox"/> IBM.Coexistence.z/OS.V1R13						
<input type="checkbox"/> HMP1J00						SMP/E Base
<input type="checkbox"/> AACOEX1			TSMP36P		UACOEX2	
<input type="checkbox"/> IBM.Device.Server.z114-2818						
<input type="checkbox"/> HMP1J00						SMP/E Base
<input type="checkbox"/> AASRVR1			TSMP36P		UASRVR1	
<input type="checkbox"/> IBM.Device.Server.z196-2817						
<input type="checkbox"/> HMP1J00						SMP/E Base

Total: 556, Selected: 0

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

Missing FIXCAT SYSMODs ...



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

Maintenance Reports

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.

APAR	View	FMID / Missing	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"/>	<input checked="" type="checkbox"/> Select All	S	LOCAL	January 16, 2012 15:38:30				
<input type="checkbox"/>	<input type="checkbox"/> Deselect All							SMP/E Base
<input type="checkbox"/>	Configure Columns...				TSMP36P		UACOEX2	
<input type="checkbox"/>	Modify Filters...							SMP/E Base
<input type="checkbox"/>	Hide Filter Row							
<input type="checkbox"/>	Clear Filters							
<input type="checkbox"/>	Modify Sort...				TSMP36P		UACOEX2	
<input type="checkbox"/>	Clear Sorts							SMP/E Base
<input type="checkbox"/>	Export Table Data							
<input type="checkbox"/>	Print Table Data							
<input type="checkbox"/>	Expand All							
<input type="checkbox"/>	Collapse All							
<input type="checkbox"/>	Switch to Non-Tree View							
<input type="checkbox"/>	HMP1J00							SMP/E Base
<input type="checkbox"/>	AASRVR1							
<input type="checkbox"/>	IBM.Device.Server.z196-2817							
<input type="checkbox"/>	HMP1J00							SMP/E Base

Total: 556, Selected: 0

Refresh Last refresh: Feb 6, 2014 4:47:08 PM

Close Hide

z/OSMF V2.1 added the ability to export or print the missing FIXCAT SYSMODs data

z/OSMF SYSMOD Search Report

This is like an SMP/E ISPF Cross Zone Query on steroids!!!!

SYSMOD Search

You can search one or more software instances for a list of SYSMODs

The screenshot shows the IBM z/OS Management Facility interface. The title bar reads "IBM z/OS Management Facility" and "Welcome shara01". The main window displays "Software Management" > "Software Instances". A table of software instances is visible, with columns for Name, Categories, and others. The "Actions" menu is open, and the "SYSMOD Search" option is highlighted. The table contains the following data:

Name	Categories
MA...	ZOSMF.SWDEPLOY.GLOBAL.CSI TSMP36P
MA...	ZOSMF.SWDEPLOY.GLOBAL.CSI TSMP36
MA...	ZOSMF.SWDEPLOY.GLOBAL.CSI TGTZ12

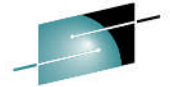
The SYSMOD Search capability helps you determine if your software instances contain the SYSMODs in which you are interested. This could be to determine:

- If you already installed the fix that a vendor suggested that you install,
- If you already installed a Red Alert or fix associated with security/integrity APAR
- How many software instances are affected by a specific PTF that went PE

While similar to cross zone query, this action can be performed:

- For multiple SYSMODs at the same time
- Against multiple software instances at the same time
- Against software instances throughout your enterprise

SYSMOD Search ...



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

Software Management > Software Instances > Maintenance Reports

SYSMOD Search x

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

* SYSMOD search list:
U001270, U001281

Search Results

Actions ▾ | Table view: Tree

Software Instance / Zone Name / SYSMOD Filter	System Filter	Type Filter	F MID Filter	Status Filter	Installed Filter
There is no data to display.					

Total: 0, Selected: 0

You can type or cut and paste your list of SYSMODs into the SYSMOD Search list

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.

Results shown in a scrollable tree table. You 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

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 Filter	System Filter	Type Filter	F MID 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_w/Other_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 x

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

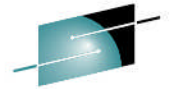
Software Instance / Zone Name / SYSMOD Filter	System Filter	Type Filter	FMID Filter	Status Filter	Installed Filter
<input type="checkbox"/> MASTER_SMPEV3.6_WITH_PTFS	LOCAL				
<input type="checkbox"/> DSMP36P					
<input type="checkbox"/> ▪ U001270				Superseded by U001301	
<input type="checkbox"/> ▪ U001281		PTF	HMP1J00	Accepted	January 3, 2012 14:09:28
<input type="checkbox"/> GLOBAL					
<input type="checkbox"/> ▪ U001270		PTF	HBCNC00	Received	January 16, 2012 15:23:34
<input type="checkbox"/> ▪ U001281		PTF	HMP1J00	Received	January 16, 2012 15:23:38
<input type="checkbox"/> TSMP36P					
<input type="checkbox"/> ▪ U001270				Superseded by U001301	
<input type="checkbox"/> ▪ U001281		PTF	HMP1J00	Applied	January 3, 2012 14:07:05

Total: 55, Selected: 0

Close

Hide

SYSMOD Search ...



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

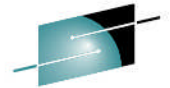
SYSMOD	System Filter	Type Filter	F MID Filter	Status Filter	Installed Filter
	LOCAL				
		PTF	HMP1J00	Accepted	January 3, 2012 14:09:28
		PTF	HBCNC00	Received	January 16, 2012 15:23:34
		PTF	HMP1J00	Received	January 16, 2012 15:23:38
				Superceded by U001301	
		PTF		Applied	January 3, 2012

Total: 59, Selected: 0

z/OSMF V2.1 added the ability to export or print the search results

z/OSMF Software Instance Comparison Report

Software Instance Comparison Report



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. Apply the resolving service to the corresponding target zone.

SYSMOD / System	HOLD R (GMT)	Target Zones	Resolving SYSMODs Received in Global Zone	Resolving SYSMODs Not in Global Zone	Hold Class	Hold Symp
Y	January 16, 2012 15:23:46	Filter	Filter	Filter	Contains "hiper"	Filter
LOCAL	January 16, 2012 15:23:46	TSMP36	U001286		HIPER	DAL

After selecting the first software instance, you can select Software Instance Comparison

The Software Instance Comparison report can be used to identify the functional and service differences between two software instances. This report can be helpful when you are completing the following actions:

- **Debugging a problem with your software, identifying what software changed to fix (or cause) the problem.**
- **Verifying that your software is at the same service level.**
- **Planning for a deployment to identify what will be changing.**

While somewhat similar to a REPORT SYSMODS command, this action can be performed against software instances throughout your enterprise

Now you have to identify the software instance to compare to

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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

Select Software Instance to Compare

First software instance: MASTER_SMPEV3.6_WITHOUT_PTFs on system LOCAL

Second Software Instance

Actions | Match: All filters

Name Contains "MASTER"	System Filter	Messages Filter	Description Filter	Activity	Global Zone CSI Filter	Target Zones	Categories
<input checked="" type="radio"/> 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	
<input type="radio"/> 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="radio"/> 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: 3, Filtered: 3, Selected: 1

Last refresh: Jan 29, 2014 3:20:23 PM

and select the zones to compare

IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

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 Zones in First Software Instance	Target Zones in Second Software Instance
<input checked="" type="checkbox"/> TSI	

Actions

- Select Zones
- Select All
- Deselect All
- Configure Columns...
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts

Total: 1, Selected: 1

OK Cancel

Results shown in a scrollable tree table. You 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 funct target zones in the first software instance.

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

SYSMODs Not Found in First Software Instance

Actions ▾ Table view: Tree

<input type="checkbox"/>	F MID/SYSMOD Filter	Description Filter	Type Filter	Target Zone in First Software Instance Filter	Target Zone in Second Software Instance Filter	SYSMOD Received in Global Zone Filter
<input type="checkbox"/>	+ HBCNC00	SMP/E Planning and Migration Assistant Software Info Base				
<input type="checkbox"/>	+ HBCND0B	SMP/E Planning and Migration Assistant				
<input type="checkbox"/>	+ 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!!!

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

FMID/SYSMOD Filter	Description Filter	Type Filter	Target Zone in First Software Instance Filter	Target Zone in Second Software Instance Filter	SYSMOD Received in Global Zone Filter
<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"/> UAPTF01		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

Not shown, but z/OSMF V2.1 also added the ability to export or print the comparison results

Welcome x

Software Man... x

Select Products to view details about products that are installed in ANY software instance

Software Management

Use this task to view details about software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMO

[Software Instance](#) 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.

View Products

View Products



You can view information on ALL products installed in ANY software instance

IBM z/OS Management Facility

Welcome x Software Man... x

Software Management

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

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

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

IBM z/OS Management Facility Welcome shara01 [Log out](#)

Welcome x Software Man... x

Software Management > Products [Help](#)

Products

This table lists the products that are installed in at least one instance provided in the Software Instances view. [Learn more...](#) Information action

Note: Software Management shows installed products, to see whether the products are actually used you will need other tools such as Tivoli Asset Discovery for z/OS (TADz)

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

Total: 27, Selected: 0

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

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.

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

Click on Product

IBM z/OS Management Facility welcome shara01 [Log out](#)

Welcome x Software Man... x

Software Management > Products [Help](#)

Products

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

Switch To: ▾

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

Total: 27, Selected: 0

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

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

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.

IBM z/OS Management Facility

Welcome x Software Man... x

Software Management > Products

Products

This table lists the products that are installed in the Software Instances view. [Learn More](#)

Switch To: ▾

<input type="checkbox"/>	Product Filter ▲	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Additional Product Inform Filter
<input type="checkbox"/>	AFP FONT COLLECTION FOR S/390	02.01.01	5648-B33		IBM	Oct 27, 2000	✔ Not Announced	http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&
<input type="checkbox"/>	DITTO/ESA FOR MVS	01.03.00	5655-103		IBM	Jun 25, 1999	✔ Not Announced	http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&
<input type="checkbox"/>	Debug Tool V12	12.01.00	5655-W70		IBM	May 11, 2012	✔ Not Announced	http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&
<input type="checkbox"/>	Debug Tool V9	09.01.00	5655-U27		IBM	Sep 26, 2008	✘ Apr 30, 2012	http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&
<input type="checkbox"/>	Enterprise COBOL V4	04.02.00	5655-S71		IBM	Aug 28, 2009	✔ Not Announced	http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&
<input type="checkbox"/>	Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002		http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&
<input type="checkbox"/>	Enterprise PL/I V4	04.01.00	5655-W67		IBM	Sep 27, 2002		http://www-01.ibm.com/cgi-bin/ssialias?infotype=dd;appname=ShopzSeries&

Total: 27, Selected: 0

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

Close

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

You can view Software Instances to identify the Software Instances where the product is installed. The results shown in a scrollable tree table. You have to expand each row to see the actual results.

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

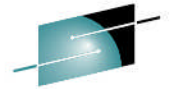
Product / Software Instance Filter	Release Filter	Product ID Filter	Messages Filter	Vendor Filter	General Availability Filter	End of Service Filter	Addi Filter
<input type="checkbox"/> System Modification Program Extended for z/OS	03.06.00	5655-G44		IBM	Sep 30, 2011	<input checked="" type="checkbox"/> Not Announced	http://bin/ss/appna
<input type="checkbox"/> ▪ MASTER_SMPEV3.6_WITHOUT_PTFS							
<input type="checkbox"/> ▪ MASTER_SMPEV3.6_WITH_PTFS							
<input type="checkbox"/> z/OS	01.12.00	5694-A01		IBM	Sep 24, 2010	<input type="checkbox"/> ⚠ Sep 30, 2014	http://bin/ss/appna
<input type="checkbox"/> ▪ MASTER_ZOSV1.12							
<input type="checkbox"/> Enterprise COBOL for z/OS and OS/390	03.02.00	5655-G53		IBM	Sep 27, 2002	<input type="checkbox"/> ⚠ Oct 3, 2005	http://bin/ss/appna
<input type="checkbox"/> ▪ MASTER_OS_390_V1.12							

Total: 55, Selected: 0

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

You can scroll right

View Products ...



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	Product ID	Messages	Vendor	General Availability	End of Service	Additional
00	5655-G44		IBM	Sep 30, 2011	<input checked="" type="checkbox"/> Not Announced	http://bin/ss/appna
00	5694-A01		IBM	Sep 24, 2010	<input type="checkbox"/> Sep 30, 2014	http://bin/ss/appna
03.02.00						http://bin/ss/appna

Total: 55, Selected: 0

Last refresh: Feb 6, 2014 5:47:10 PM

z/OSMF V2.1 added the ability to export or print the list of products (and optionally their software instances).

Welcome x

Software Man...

You can select Deployments to deploy a software instance or manage existing deployments

Software Management

Use this task to view details of your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMO

[Software Instances](#) Manage 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.

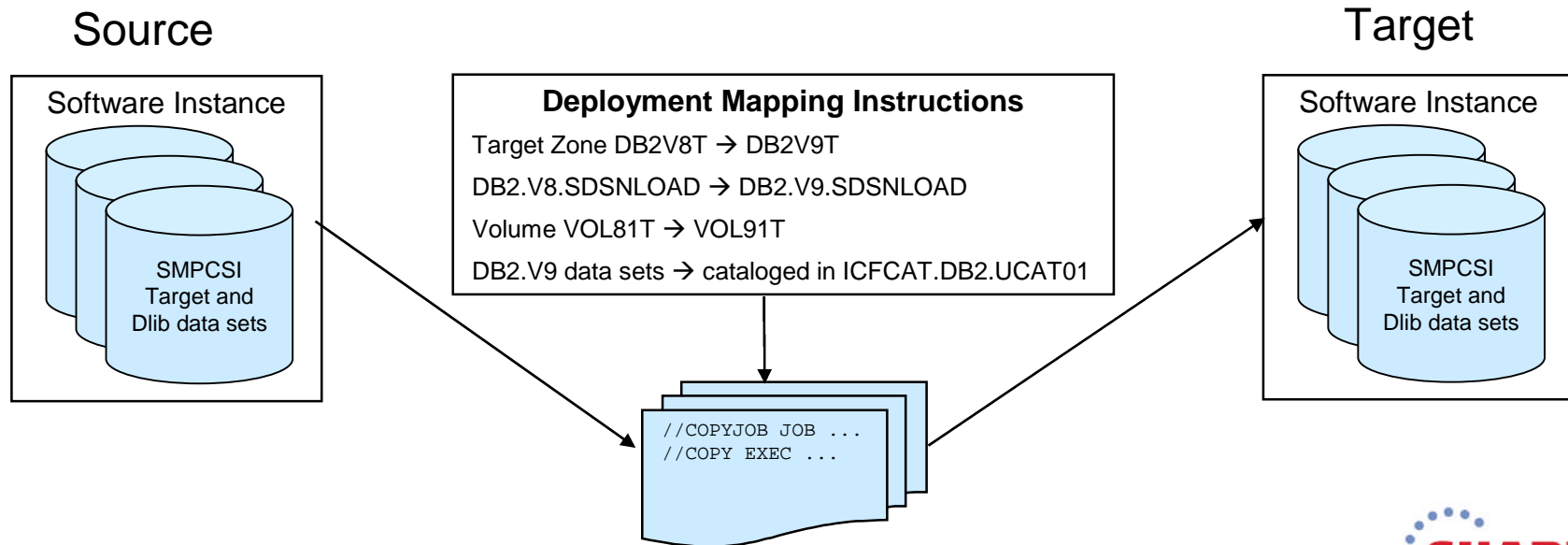
Deployments

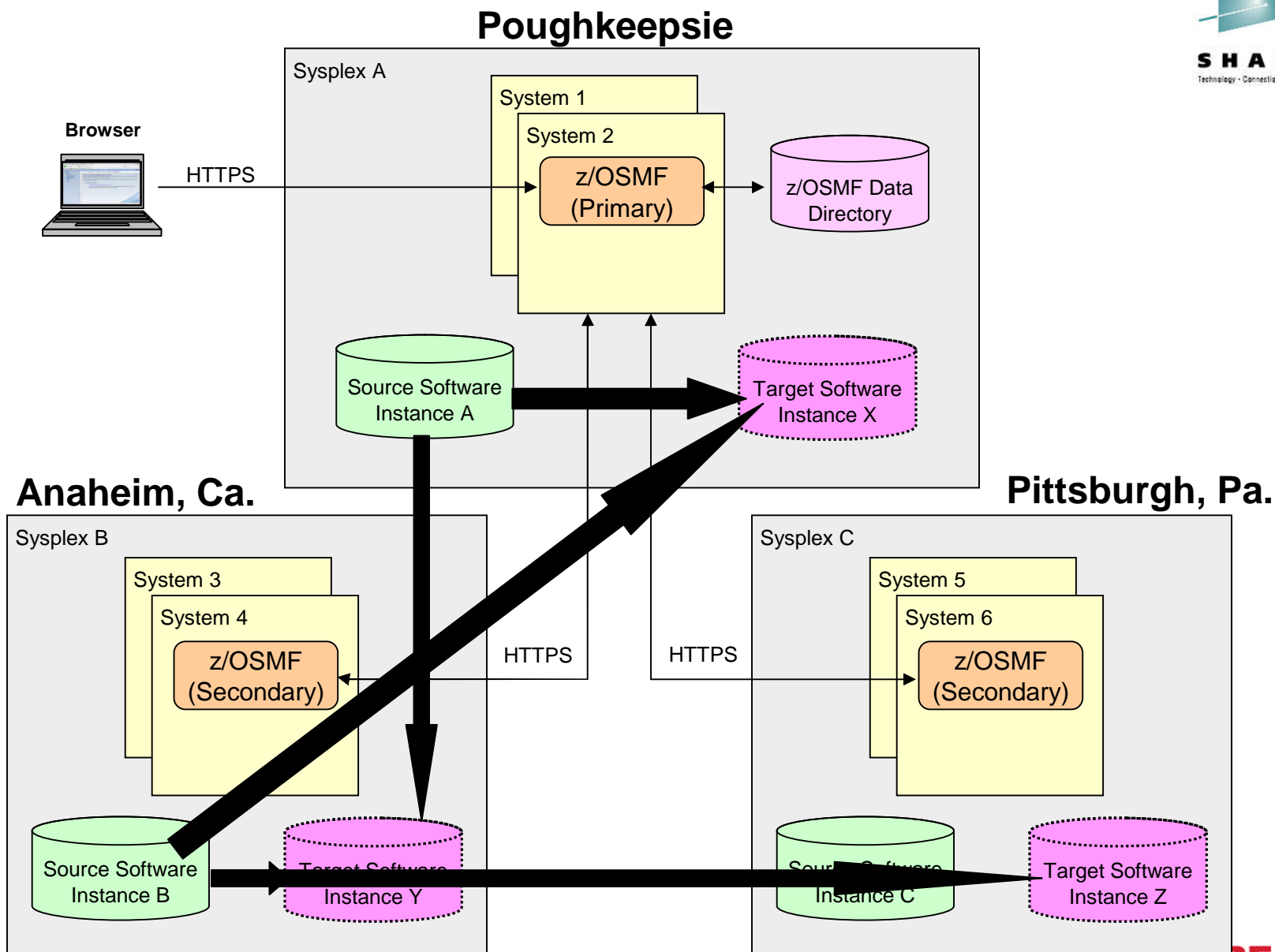
Software Deployment

- z/OSMF V1.13 introduced a Software Deployment function
 - Web-based application
 - User interaction is via a browser on a workstation
 - z/OSMF and Software Deployment will be active on one system in a sysplex, allowing access to shared DASD
 - Locally, either on a single system or system-to-system within a sysplex
 - Remotely, system-to-system across a network and multiple sysplexes
 - Introduced a concept of a software instance

Basic Deployment Operation Flow

1. Identify a Source Software Instance.
2. Check for missing requisites and possible regressions.
3. Select the deployment objective.
4. Create a Deployment that describes where the source data sets will be copied.
5. Generate Deployment Jobs.
6. Execute generated Jobs to copy the source and create (or replace) a target Software Instance.





Software instances can be viewed or deployed throughout your enterprise

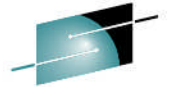
z/OSMF Software Deployment Summary



- **The z/OS Software Deployment function of z/OSMF will provide rigor in the deployment of any SMP/E installed software.**
- **It will ensure:**
 - ALL affected parts are copied
 - The zone(s) is carried forward with the software
- **It will help to ensure:**
 - Cross system requisites are satisfied (coexistence and preconditioning)
 - Cross product requisites (on the same system) are satisfied
 - Software fixes are not regressed
- **Can be used to create a clone for subsequent installation or execution.**
- **Software Deployment will save user specified information and allow for reuse**
 - Subsequent deployment operations of the same source will require little or no user input.
- **Local and Remote deployments are supported**

Same as original z/OSMF V1.13 function

z/OSMF Software Deployment



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

**To invoke z/OSMF Software Deployment
Select Deployments**

Software Management

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

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

You see a complete list of deployments.

IBM z/OS Management Facility Welcome shara01 [Log out](#)

Welcome x Software Man... x

Software Management > Deployments [Help](#)

Deployments

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

Switch To: ▾

<input type="checkbox"/>	Name Filter	Description Filter	Activity Filter	Categories Filter	Source Software Instance Filter	Source System Filter	Target Software Instance Filter	Target System Filter	Target Global Zone CSI Filter	Copy DLIBs Filter
<input type="checkbox"/>	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

Welcome x Software Man... x

Software Management > Deployments

Deployments

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

<input type="checkbox"/>	Name	Description	Activity Filter	Categories Filter	Source Software Instance Filter	Source System Filter	Target Software Instance Filter	Target System Filter
<input type="checkbox"/>	DEMO	sample deployment be used for demos.	Completed		MASTER_SMPEV3.6_WITH_PTFS	LOCAL	DEMO_SMPEV3.6_WITH_PTFS	LOCAL

Actions dropdown menu:

- Modify
- View
- Copy...
- Cancel
- Remove...
- New...**
- Select All
- Deselect All
- Configure Columns...
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts

Total: 1, Selected: 0

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

The deployment checklist leads you through the new deployment

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

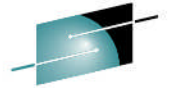
Progress	Step
➔	1. Specify the properties for this deployment.
	2. Select the software instance to deploy.
	3. Select the objective for this deployment.
	4. Check for missing SYSMODs. <ul style="list-style-type: none">• View missing SYSMOD reports.
	5. Configure this deployment.
	6. Define the job settings.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

Close

Categories

Same as original z/OSMF V1.13 function

z/OSMF Software Management Categories



Select Categories to create or manage categories

IBM z/OS Management Facility shara01

Welcome x Software Man... x

Software Management

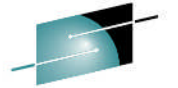
Use this task to view details about your software inventory, including related products, features, FMIDs, data sets, deployments, and SYSMODs. [Learn more...](#)

Software Instances	Deploy 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.

Settings

Same as z/OSMF V1.13 function

z/OSMF Software Management Settings



IBM z/OS Management Facility Welcome shara01

Welcome x Software Man... x

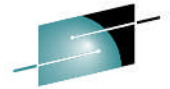
Select Settings to modify Software Management defaults

Software Management

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

Software Instances	Define software instances in z/OSMF; deploy software; generate reports about your software.
Products	View a detailed 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.

z/OSMF Software Management Settings ...



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:
750

OK Cancel

Agenda

- Brief Background
- z/OSMF Software Management
 - New Reporting Capabilities
 - Available on z/OSMF V1.13 with additional enhancements in z/OSMF V2.1!!!
- **Additional Enhancements to Software Management**
- ➔ **Simplified addition of non-SMP/E managed data sets**
 - Mass edit capabilities for z/OS UNIX mountpoints when configuring a deployment
- Summary
- Backup

New Enhancements (coming 1Q2014)

Simplified Addition of non-SMP/E Managed Data Sets

- Currently the user has to add non-SMP/E Data Sets one data set at a time.
- PTF for APAR PM99518 will allow 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

Original Process for Adding Non-SMP/E Managed Data Sets

- Currently the user has to add the data sets one at a time



IBM z/OS Management Facility Welcome zosmfusr Log out

Welcome Software Management

[Software Management](#) [Software Instances](#) [Modify Software Instance](#) [Add Data Set](#) [Help](#)

Add Non-SMP/E Managed Data Set

* Name:

Volume (If data set not cataloged):



Enhanced Addition of Non-SMP/E Managed Data Sets



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Modify Software Instance

Modify zOSV2R1_Build

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

Data Sets

Name	Volume
Filter	Filter
There is no data to display.	

Actions

- Modify
- Remove...
- Add...**
- Select All
- Deselect All
- Modify Filters...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts

Total: 0, Selected: 0

OK Reset Cancel

To Add non-SMP/E managed data sets, click Actions, then Add

Enhanced Addition of Non-SMP/E Managed Data Sets

This value is used to specify the maximum number of data sets that can be displayed. The Range is of 1 to 10,000 and 750 is the default.

Add Data Set

To identify the data sets to be added to the software instance, specify a data set name qualifier, volume, or data set type. Then, select the data sets you want to add. For valid data set name qualifiers, see the z/OS DFSMS Datasets manual. For valid data set types, see the z/OS DFSMS Datasets manual.

Data set name qualifier:

Volume:

*Maximum data sets:

Search

Select Data Sets to Add

Data Set Filter	Volume Filter
There is no data to display.	

OK Cancel

Valid input may include wildcard support, based on the ISPF tutorial (help) that describes the dsname level input field.

Valid input is a volume serial number

To add non-SMP/E data sets that begin with GDAYNES.PDS simply enter the data set name qualifier and click Search.

facility Welcome gdaynes [Log out](#)

Welcome x Software Man... x

[Software Management](#) > [Software Instances](#) > [Modify Software Instance](#) > [Add Data Set](#) [Help](#)

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...](#)

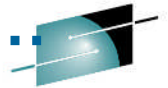
Data set name qualifier: Volume: *Maximum data sets:

Select Data Sets to Add

<input checked="" type="checkbox"/>	Actions
Data Set Name	Volume
Filter	Filter
There is no data to display.	

Total: 0, Selected: 0

Enhanced Addition of Non-SMP/E Managed Data Sets ...



Facility Welcome gdaynes Log out IBM

Welcome x Software Man... x

Software Management > Software Instances > Modify Software Instance > Add Data Set Help

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: Volume: *Maximum data sets:

Select Data Sets to Add

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Actions
Data Set Name	Volume	
Filter	Filter	
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.

Total: 0, Selected: 0

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

A list of data sets that match your search criteria presented.

facility welcome guaynes

Welcome x Software Man... x

Software Management > Software Instances > Modify 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, click [more...](#)

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

Select Data Sets to Add

<input type="checkbox"/>	Data Set Name Filter	Volume Filter
<input type="checkbox"/>	GDAYNES.PDS.SOURCE	HSMU0Z
<input type="checkbox"/>	GDAYNES.PDS.LOAD	MIGRAT
<input type="checkbox"/>	GDAYNES.PDS.DATA	SL2B06
<input type="checkbox"/>	GDAYNES.PDS.CNTL.OLD	MIGRAT
<input type="checkbox"/>	GDAYNES.PDS.CNTL	SL7308
<input type="checkbox"/>	GDAYNES.PDS.ASM	SL7311

Total: 6, Selected: 0

Now you can select the data sets you want to add.

activity

Welcome x Software Man... x

Software Management > Software Instances > Modify 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 n [more...](#)

Data set name qualifier:

GDAYNES.PDS

Volume:

Select or type

*Maximum data sets:

750

Search

Select Data Sets to Add

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Actions	
<input checked="" type="checkbox"/>		Data Set Name	Volume
<input checked="" type="checkbox"/>		Filter	Filter
<input checked="" type="checkbox"/>		GDAYNES.PDS.SOURCE	HSMU0Z
<input checked="" type="checkbox"/>		GDAYNES.PDS.LOAD	MIGRAT
<input checked="" type="checkbox"/>		GDAYNES.PDS.DATA	SL2B06
<input type="checkbox"/>		GDAYNES.PDS.CNTL.OLD	MIGRAT
<input checked="" type="checkbox"/>		GDAYNES.PDS.CNTL	SL7308
<input type="checkbox"/>		GDAYNES.PDS.ASM	SL7311

Total: 6, Selected: 4

OK

Cancel

The data sets are now added.

acity welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Modify Software Instance

Modify zOSV2R1_Build

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

Data Sets

Actions ▾

Name Filter	Volume Filter
<input type="checkbox"/> GDAYNES.PDS.SOURCE	
<input type="checkbox"/> GDAYNES.PDS.LOAD	
<input type="checkbox"/> GDAYNES.PDS.DATA	
<input type="checkbox"/> GDAYNES.PDS.CNTL	

Total: 4, Selected: 0

OK Reset Cancel

Agenda

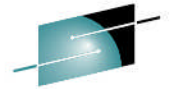
- Brief Background
- z/OSMF Software Management
 - New Reporting Capabilities
 - Available on z/OSMF V1.13 with additional enhancements in z/OSMF V2.1!!!
- **Additional Enhancements to Software Management**
 - Simplified addition of non-SMP/E managed data sets
 - ➔ **Mass edit capabilities for z/OS UNIX mountpoints when configuring a deployment**
- Summary
- Backup

Mass Edit Capabilities for z/OS UNIX Mount Points when Configuring a Deployment



- Currently the user has to edit the z/OS UNIX mount points one at a time.
- PTF for APAR PM99518 will allow the user to use common mount point directories to change multiple mount points at once
 - Similar to what is currently provided for data sets

Mass Edit Capabilities for z/OS UNIX Mount Points when Configuring a Deployment ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for zOSV2R1_Build

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

Mount Points

The Mount Points table lists the mount points that will be used for the UNIX file system data sets included in the target software instance. Accept the default mount point for them.

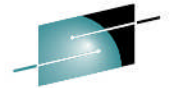
Mount Points

Actions ▾

Target mount point Filter	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
<input checked="" type="checkbox"/> /u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS21
<input checked="" type="checkbox"/> /u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.ETC	/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC
<input checked="" type="checkbox"/> /u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.FONT S	/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FONT S

- For example, if you were copying a z/OS V2.1 system to be used as a base for a z/OS V2.2 system, then you might
 - Rename the source data sets that have a ZOS21 qualifier to have a ZOS22 qualifier
 - Rename the source mount point from having a zos21 directory to have a zos22 directory.
 - Prior to the PTF for APAR PM99518 you would have had to modify each target mount point individually.

Mass Edit Capabilities for z/OS UNIX Mount Points when Configuring a Deployment ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for zOSV2R1_Build

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

Mount Points

The Mount Points table lists the mount points that will be used for the UNIX file system data sets included in the target software instance. Accept the default mount point them.

<input checked="" type="checkbox"/>	Actions	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
<input checked="" type="checkbox"/>	Modify Target Mount Point	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS21
<input checked="" type="checkbox"/>	Select All	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.ETC	/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC
<input checked="" type="checkbox"/>	Deselect All	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.FONT	/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FONT

Total: 3, Selected: 3

< Back Next > Finish Cancel

Now with the PTF installed, you can select each target mount point and then click Actions, then Modify Target Mount Point

Mass Edit Capabilities for z/OS UNIX Mount Points when Configuring a Deployment ...



Welcome x Software Man... x

Software Management > Software Instances > Deployments > Deployment Checklist > Configure Deployment > Modify Mount Point

Modify Target Mount Point

Enter a new target mount point for the selected mount points.

* Common mount points directory:

From /u/mvsbuild/zos21

mount:

To: /u/mvsbuild/zos21

Example target mount point:

/u/mvsbuild/zos21

/u/mvsbuild/zos21

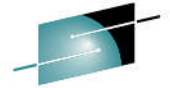
Selected mount points

Target mount point	Target Data Set Name	Source mount point	Source Data Set Name
/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS21
/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC
/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FONT

OK Cancel

Just overwrite the changes you want to make (next slide)

Mass Edit Capabilities for z/OS UNIX Mount Points when Configuring a Deployment ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Deployments > Deployment Checklist > Configure Deployment > Modify Mount Point

Modify Target Mount Point

Enter a new target mount point for the selected mount points.

* Common mount points directory:

From: /u/mvsbuild/zos21

m:

To:

Example target mount point:
/u/mvsbuild/zos21

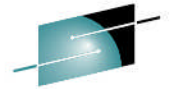
/u/mvsbuild/zos22

Selected mount points

Target mount point	Target Data Set Name	Source mount point	Source Data Set Name
/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS21
/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.ETC	/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC
/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.FONTS	/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FONTS

And click OK

Mass Edit Capabilities for z/OS UNIX Mount Points when Configuring a Deployment ...



IBM z/OS Management Facility Welcome gdaynes

Welcome x Software Man... x

Software Management > Software Instances > Deployments > Deployment Checklist > Configure Deployment

Configure Deployment for zOSV2R1_Build

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

Mount Points

The Mount Points table lists the mount points that will be used for the UNIX file system data sets included in the target software instance. Accept the default mount point them.

Mount Points

Actions ▾

Target mount point Filter	Target Data Set Name Filter	Source mount point Filter	Source Data Set Name Filter
<input checked="" type="checkbox"/> /u/mvsbuild/zos22	OMVS.ZFS.AQTS.MVSBUILD.ZOS22	/u/mvsbuild/zos21	OMVS.ZFS.AQTS.MVSBUILD.ZOS21
<input checked="" type="checkbox"/> /u/mvsbuild/zos22/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.ETC	/u/mvsbuild/zos21/etc	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.ETC
<input checked="" type="checkbox"/> /u/mvsbuild/zos22/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS22.FONT S	/u/mvsbuild/zos21/usr/lpp/fonts	OMVS.ZFS.AQTS.MVSBUILD.ZOS21.FONT S

Total: 3, Selected: 3

< Back Next > Finish Cancel

The target mount points will have a zos22 directory when the deployment jobs are run.

Agenda

- Brief Background
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Summary

- Backup

Software Management Summary



- A new software management task provides new reporting and display capabilities for SMP/E installed software.
- It builds on the Software Deployment capabilities introduced with z/OSMF V1.13.
- You're able to see product information for SMP/E installed software in a software instance.
 - This enables system programmers, operations staff, even procurement personnel to see what products are installed.
 - System programmers are able to see the FMIDs that are installed and the data sets where the software was installed.
- Additionally, this function provides a number of new reporting capabilities. Among them are the ability to:
 - Display end of service information about SMP/E installed products to help you to plan timely upgrades to remain service supported;
 - Help you cross-check SMP/E inventory information with catalog entries, volume residency, and data set contents thereby identifying potential integrity problems with your maintenance and or deployment environments;
 - Help identify missing service that might be of interest to you enabling you to improve your preventive maintenance practices;
 - Query selected software instances throughout your enterprise to determine whether if one or more SYSMODs are installed, to help you identify systems that have (and do not have) PTFs installed. This can help detect software instances which are missing a desired fix, or which software instances have a fix that your want removed installed;
 - Compare two software instances to help you identify changes and simplify problem determination by helping to identify what changed (or will change).

z/OSMF Software Management - *Benefits*



Task	Without z/OSMF Software Management	With z/OSMF Software Management
Display the product content of software instances.	Can use multiple different methods to report on product content locally (within sysplex). Unable to: <ul style="list-style-type: none"> •launch in context other views or reports •View product content for remote systems 	Easy (few clicks) to identify one or more software instances (locally or remote) that you want to view product information. Once viewed, the user can launch in context additional views, reports, or follow links to additional information. Seconds
Display the data sets that make up a software instances.	Can NOT be done today. At best, the user can write their own program to identify data sets in local software instances.	Easy (few clicks) to identify the data sets actually used in a software instance. Seconds (or up to a few minutes)
Display all the software instances where a product is installed.	Can NOT be done today.	Easy (few clicks) to identify all the software instances where a product is installed throughout the customer enterprise. Seconds
Identify software products that are approaching, or have reached, end of service support	Currently there are web sites that can be used to identify announced end of service dates, but they don't analyze installed software. Hours (or even days for entire enterprise)	Easy (few clicks) to show end of service information for all installed products (or products in specific software instances). Results shown in both graphic and tabular form. Seconds

z/OSMF Software Management - Benefits

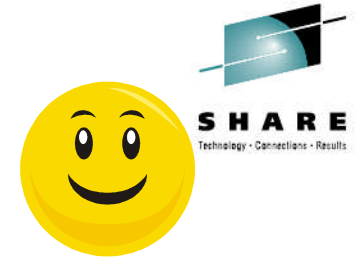


Task	Without z/OSMF Software Management	With z/OSMF Software Management
Validate the SMP/E structure (zones and data set definitions) and content of software instances.	Can NOT be done today.	Easy (few clicks) to identify any structure problems or missing content in a software instance and the data sets referenced. A few minutes
Identify if any critical service (HIPER, PE fixing, or fixes associated with one or more fix categories) is missing.	Can use multiple SMP/E REPORTs to identify missing critical fixes for local software instances. However, this can only be done for local software instances (within sysplex). Less than a minute (for the local system)	Easy (few clicks) to identify missing critical fixes. Once viewed, z/OSMF sorting and filtering can help with the analysis. Seconds (or up to a few minutes)
Identify whether a fix is installed or not; and if so in which software instances.	Can use either SMP/E query or LIST functions to see if a SYSMOD is installed. However, this can only be done for local software instances (within sysplex). Less than a minute (for the local system)	Easy (few clicks) to identify whether a fix is installed or not; and if so in which software instances throughout your enterprise. Less than a minute (for local and remote systems)
Compare the service and functional content of two software instances to aid in debugging, change control, or quality assurance.	Can use SMP/E REPORT SYSMODS to identify differences between two target zones for local software instances. However, this can only be done for local software instances (within sysplex). Less than a minute (for the local system)	Easy (few clicks) to identify differences between two target zones for software instances throughout your enterprise. Seconds (or up to a few minutes)

Testimonial

- Upon seeing this functionality, Cheryl Watson (a consultant at Watson and Walker) said:
 - *“I think the new features are neat enough to encourage people who haven't installed z/OSMF yet to reconsider installing it.”*
 - **Obviously, I agree**

Shameless Plugs



- **You can try this function later today!!!**
 - **Just attend session (15052) z/OSMF Software Management Hands-On Lab**
 - Thursday 3PM in Platinum Ballroom Salon 7
- **If you plan on installing z/OSMF V2.1 you should have been at session 15050 z/OSMF V2.1 Implementation and Configuration**
 - New users and migrating user paths were covered, as well as adding additional plug-ins

Thank You



Agenda

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- Summary

 **Backup**

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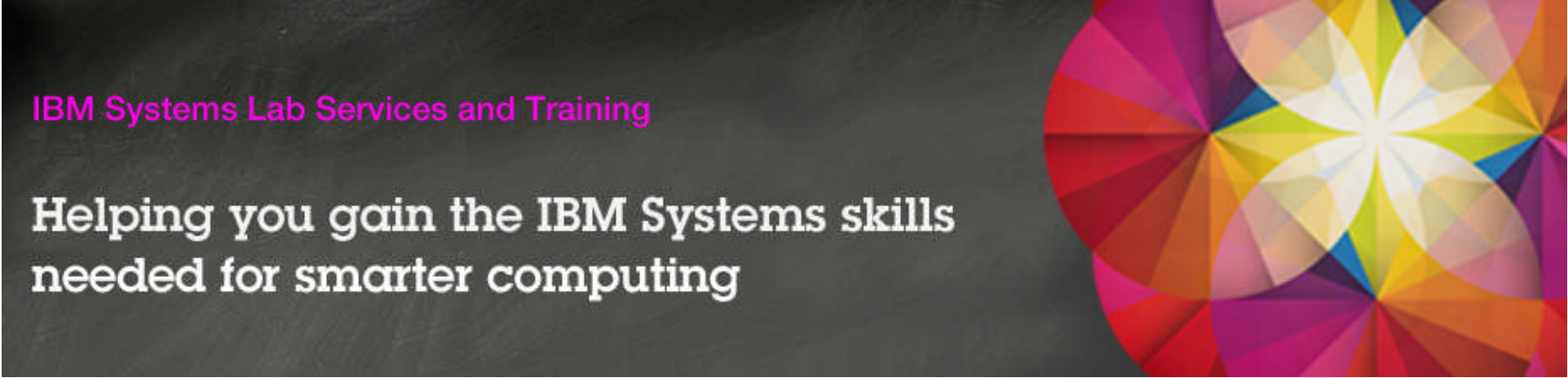


[IBM Mainframe50](#)

Include the hashtag [#mainframe](#) in your social media activity and [#mainframe50](#) in 50th anniversary activity

Additional information

- **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>



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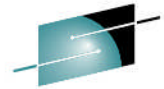
z/OSMF Software Management (Deployment)



Task	Without z/OSMF Software Deployment	With z/OSMF Software Deployment
<p>Identify complete content of software to be deployed.</p>	<p>Done manually. Usually requires strict data set naming conventions or volume placement.</p> <p>Problems occurred when customers:</p> <ul style="list-style-type: none"> • For WAS V6, copying PDSE without file system or visa versa •For fixes, copying one library w/o another resulting in part of the APAR installed, •Not copying a data set that had been renamed and enlarged 	<p>Automatically use SMP/E inventory to identify the all of the data sets that compose the source to be deployed.</p>
<p>Identify missing requisite PTFs on instances that will share resources with the deployed software.</p>	<p>Done manually prior to activation. System programmer can create and run SMP/E jobs to identify missing required service on other instances if the know the proper Fix Categories and commands.</p> <p>Problems occurred when customers were missing coexistence maintenance:</p> <ul style="list-style-type: none"> •Cause an outage •In one case caused a sysplex wide outage when fallback was required 	<ul style="list-style-type: none"> •Automated. •The task is optional, but recommended.
<p>Identify regressed software on the prior level instance.</p>	<p>Done manually prior to activation. System programmer can create and run SMP/E jobs to compare source with prior instance. Can not be done if source and prior instance are in different sysplexes.</p> <p>Problems reoccurred</p>	<ul style="list-style-type: none"> •Automated. •Supports cross-sysplex checking •The task is optional, but recommended.



z/OSMF Software Management (Deployment)



SHARE
Technology • Connections • Results

Task	Without z/OSMF Software Deployment	With z/OSMF Software Deployment
Identify required actions from PTF HOLDs.	<p>Done Manually. No SMP/E report capability to compare source with the prior instance available. System programmer has to keep track of all SYSTEM HOLDs installed and check applicable to each system they deploy to.</p> <p>Problems occurred because ACTIONS not performed on deployed to system</p>	<ul style="list-style-type: none"> •Automated. •Supports cross-system checking. •The task is optional, but recommended.
Modify the target instance data set layout (names, placement, and catalog	<p>Done manually.</p> <ul style="list-style-type: none"> •Compare <u>source</u> data sets with the target system catalog and volumes •Compare <u>target</u> data set names with the target system catalogs to ensure the desired catalogs will be updated and new HLQs are identified •Best-guess comparison of available free space and required space for target data sets. <p>Problems typically result in the deployment jobs having to be rerun</p>	<p>Automated</p> <ul style="list-style-type: none"> •Does not allow a user to accidentally clobber an existing data set. •Analyzes target system catalogs to identify which will be updated for the target data sets, calling out new, updated, or deleted catalog entries. •Analyzes existing space used, accounting for data sets added, replaced, and deleted.
Ability to model target instance after current test/prod instance	Done manually	Automated