

 #SHAREorg



z/OSMF User Experiences

Mary Anne Matyaz
Base Technologies Inc, A CA Technologies
Company, for
U.S. Customs and Border Protection

Thursday, February 7, 2013: 04:30 PM
Session 13040



Our environment



- Two Sysplexes, Prod and Test. Prod is an 8 way and test is a three way.
- DASD and UCATs shared across all systems (yes, this causes a problem for PDSe's)
- We run a lot of ISV's. Top Secret, FDR, Syncsort, etc.
- I consider myself a novice z/OSMF user. Relatively speaking, I've probably done more than most, but still feel rather new at it.

Our environment: Software levels

- z/OS is at 1.13, PUT level is 1210.
- We are in the middle of migrating PUT 1210 through our lpars.
- We put z/os maintenance on bi-monthly, two PUTs back, plus any applicable hipers or special request PTFs.
- We put ISV maintenance on with the IPL schedule in mind, usually one month back.

z/OSMF Timeline



- May 2010 – Ordered via base tape and installed on z/os 1.11
- October 2010 – Upgrade to z/os 1.12
- October 2011 – Upgrade to z/os 1.13
- June 2012 – Applied ++HA38812 for CEATOOL.
- September 2012 - Copied z/osmf to create a new instance in production
- December 2012 – Applied bi-monthly maintenance and had to redeploy in production.

MA's install checklist

- Install Serverpac
 - Configure CIM (CP, IL, WLM)
 - Configure CEA (IL,
- Set up Security
- Configure WASOEM
 - WASOEM.sh –config –mode typical
 - WASOEM.sh –create CONFIG1
- izusetup.sh
 - - Config
 - - Prime
 - - Setup

Miscellaneous

- APF Authorize SYS1.MIGLIB D PROG,APF,DSNAME=SYS1.MIGLIB
- **IZUP635E** The request could not be completed. User “mam” is not authorized to issue requests to the common event adapter (CEA).
 - Add.il.rexx issues: RDEFINE SERVAUTH CEA.CEAPDWB* UACC(NONE)
 - TopSecret trace shows:
 - TSS-1 4000000000000
00000000 T/00000000000 **CEA.CEAPDWB.CEAGETINCIDENT**
 - We had to change it to CEA.CEAPDWB and it worked. This is a difference in masking b/w RACF and Top Secret

More issues



BPXM023I (WTASSR) IZUG635E: Path `"/var/zosmf/data"` exists, but it is read only.

BPXM023I (WTASSR) IZUG685E: Initialization of z/OSMF failed.

Needed to `chmod` some dirs

z/OSMF Main Panel



IZUG809W



The screenshot shows the IBM z/OS Management Facility web interface in a Mozilla Firefox browser window. The browser title is "IBM z/OS Management Facility - Mozilla Firefox". The page header includes "IBM z/OS Management Facility", "Welcome mam", and "Log out" with the IBM logo. A left-hand navigation menu contains categories like Configuration, Links, Performance, Problem Determination, Software, z/OS Classic Interfaces, and z/OSMF Administration. A "Refresh" button is at the bottom of the menu. The main content area displays a "Warning" dialog box with a yellow background and a warning icon. The dialog text reads: "Warning: The version or level of your web browser is not supported for use with z/OSMF. Some z/OSMF functions might not be available if you continue. Browser version or level found: '7.0.1' . For the browsers and operating systems that are supported by z/OSMF, see the [z/OSMF Supported Browsers](#) web page. [] Do not show this dialog again [Close]". Below the dialog, the text "Check browser and operating system" is visible. A "Welcome!" notification box is also present at the top of the main content area.

About Popup

IBM z/OS Management Facility - About - Mozilla Firefox

z/OS Management Facility
Version 1

Licensed Materials - Property of IBM Corp.
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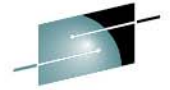
Plugin Name	Version
Software Deployment	hsma134;PM67202;2012-06-21T02:44:49
IncidentLog	hsma135;driver10;2012-02-08T21:23:04
ISPF	hsma131;pm58393;2012-09-24T14:07:30
WorkloadManagement	hsma133;pm68875;2012-07-18T15:35:48
ConfigurationAssistant	HSMA13A;V1R13;2012-06-11T04:25:58
ResourceMonitoring	HSMA132;PM41598;2011-08-03T13:52:21

Build Number: pm63262
Release Number: 13

browser

About

WLM – My favorite part of z/OSMF



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome Workload Man...

Workload Management

Overview Service Definitions

Service Definitions

Name	Activity Filter	Sysplex Filter	Messages Filter
PRODPLEX	MODE - C E M O Y Z A B		
TESTPLEX	MODE FOR T, D, & J	CSPLEXT1	

Total: 2, Selected: 1

Refresh Last refresh: Jan 8, 2013 8:33:08 AM local time (Jan 8, 2013 1:33:08 PM GMT)

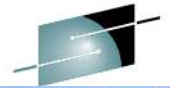
View is great, but where is update?

Read the Friendly Manual

SA38-0652 z/OSMF Configuration Guide P94:

By default, z/OSMF administrators are authorized for the View, Install, and Modify functions, which is equivalent to a WLM policy administrator. z/OSMF users are authorized for the function View, which is equivalent to a WLM performance analyst.

User Authorizations



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

- Welcome
- Configuration
 - Configuration Assistant
- Links
 - ShopzSeries
 - Support for z/OS
 - System z Redbooks
 - WSC Flashes & Techdocs
 - z/OS Basics Information Ce
 - z/OS Home Page
 - z/OS Internet Library
- Performance
 - Resource Monitoring
 - System Status
 - Workload Management
- Problem Determination
 - Incident Log
- Software
 - Deployment
- z/OS Classic Interfaces
 - ISPF
- z/OSMF Administration
 - Application Linking Manage
 - Links
 - Roles
 - Users

Refresh

Welcome Users Roles

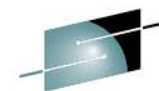
Users

Use this panel to define new users and to modify or delete existing users.

User ID Filter	Name Filter	Role Filter	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF Administrator	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF Administrator	
<input type="checkbox"/>	[REDACTED]	z/OSMF Administrator	
<input type="checkbox"/>	[REDACTED]	z/OSMF Administrator	
<input type="checkbox"/>	[REDACTED]	z/OSMF User	
<input type="checkbox"/>	[REDACTED]	z/OSMF Administrator	
<input type="checkbox"/>	mam	Mary Anne Matyaz	z/OSMF Administrator
<input type="checkbox"/>	[REDACTED]	[REDACTED]	z/OSMF Administrator

Total: 15, Selected: 0

Refresh Last refresh: Jan 8, 2013 10:19:39 AM



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome x Users x Roles x

Roles > Properties for z/OSMF User

Properties for z/OSMF User

Role:
z/OSMF User

* Description (maximum 100 characters):
User can perform any tasks that are not defined as z/OSMF administration tasks.

Tasks:

- Configuration
- Links
- Performance
 - System Status - Assess the performance of your sysplexes and manage the systems to be monitored in the Resource Monitoring task.
 - Resource Monitoring - Monitor the performance of the z/OS sysplexes, AIX clusters, or Linux clusters in your environment.
 - Workload Management - invoke Workload Management and view service definitions, service policies, and WLM status
 - Workload Management Install - install and activate service definitions
 - Workload Management Modify - modify service definitions
- Problem Determination
- Software
- z/OS Classic Interfaces
- z/OSMF Administration

Users with this role:

...
...
...
...
...
...
...
...
...
...
...

Refresh

Welcome

Configuration

- Configuration Assistant

Links

- ShopzSeries
- Support for z/OS
- System z Redbooks
- WSC Flashes & Techdocs
- z/OS Basics Information Center
- z/OS Home Page
- z/OS Internet Library

Performance

- Resource Monitoring
- System Status
- Workload Management

Problem Determination

- Incident Log

Software

- Deployment

z/OS Classic Interfaces

- ISPF

z/OSMF Administration

- Application Linking Manager
- Links
- Roles
- Users

Refresh

Welcome x Workload Man... x

Workload Management

Overview Service Definitions x

Service Definitions

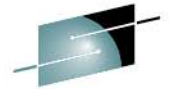
Name Filter	Activity Filter	Sysplex Filter	M Fi
<input type="checkbox"/> PRODPLE	MODE - C E M O Y Z A B		
<input checked="" type="checkbox"/> TESTPLE	MODE FOR T, D, & J	CSPLEXT1	

- Modify Service Definition
- View Service Definition
- View Messages
- View History
- Print Preview
- Install and Activate...
- Copy...
- Delete...
- Export
- View WLM Status
- New...
- Import
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts
- Clear Search

Total: 2, Selected: 1

Refresh Last refresh: Jan 9, 2013 8:12:46 AM local time (Jan 9, 2013 1:12:46 PM GMT)

WLM Status



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

- Welcome
- Configuration
 - Configuration Assistant
- Links
- Performance
 - Resource Monitoring
 - System Status
 - Workload Management
- Problem Determination
 - Incident Log
- Software
 - Deployment
- z/OS Classic Interfaces
 - ISPF

Refresh

Welcome Workload Man...

Workload Management

Overview Service Definitions WLM Status Help

WLM Status for Sysplex CSPLEXT1 from System USCT

Active Service Policy

Name: TESTPLEX
 Description: GOAL MODE for Development/Test
 Activated: Oct 1, 2012 2:03:32 PM GMT
 Activated by: b...e from system USCD
 Related service definition: TESTPLEX
 Functionality level: 19
 Installed: Oct 1, 2012 2:03:25 PM GMT
 Installed by: b...e from system USCD

Systems

Actions Search

Name	Used Service Policy	Activated (GMT)	WLM Status	GPMP Status	WLM Version
Filter	Filter	Filter	Filter	Filter	Filter
USCD	TESTPLEX	Oct 1, 2012 2:03:32 PM	Active	Unavailable	
USCJ	TESTPLEX	Oct 1, 2012 2:03:32 PM	Active	Unavailable	
USCT	TESTPLEX	Oct 1, 2012 2:03:32 PM	Active	Unavailable	25

Total: 3

Modify Classification Group



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome Workload Man...

Workload Management

Overview Service Definitions Modify TESTPLEX

Notes Switch To

Classification Groups

Actions Table view: Tree Search

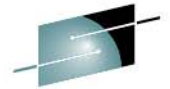
Name Filter	Qualifier Type Filter	Qualifier Value Filter	Description Filter	Messages Filter	Last Modified Filter
<input type="checkbox"/> + * LOWSTC	* TransactionName		LOW PRIORITY STC(s)		Apr 20, 2013
<input checked="" type="checkbox"/> + * MEDSTC	* TransactionName		MEDIUM PRIORITY STC(s)		May 18, 2013
<input type="checkbox"/> + * OMVSHI	* TransactionName		OMVS High Priority Tasks		May 10, 2013
<input type="checkbox"/> + * OMVSWORK	* TransactionName		OMVS Tasks		Jun 14, 2013
<input type="checkbox"/> + * OSS	* Userid		Operating System Section		May 7, 2013
<input type="checkbox"/> + * RESM	* Userid		Storage Management Section		Jan 9, 2013
<input type="checkbox"/> + * SRMBEST	* TransactionName		SRM BEST PRIORITY STC(s)		Feb 1, 2013
<input type="checkbox"/> + * SRMGOOD	* TransactionName		SRM GOOD PRIORITY STC(s)		Apr 21, 2013
<input type="checkbox"/> + * WDVLE	* TransactionName		WebSphere DVL Environment		Jun 25, 2013
<input type="checkbox"/> + * WSAT	* TransactionName		WebSphere SAT Environment		Jun 25, 2013

Total: 339, Selected: 1

Reapply Filter and Sort

OK Apply Reset Cancel

Add a new item to Classification Group



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome Workload Man...

Workload Management

Overview Service Definitions Modify TESTPLEX

Notes Switch To

Classification Groups

Table view: Tree

Name Filter	Qualifier Value Filter	Description Filter	Messages Filter	Last Modified Filter
<input checked="" type="checkbox"/> MEDSTC		MEDIUM PRIORITY STC(s)		May 18
<input checked="" type="checkbox"/> MEDSTC	ABNDAID%			
<input checked="" type="checkbox"/> MEDSTC	ABNDUMP*			
<input checked="" type="checkbox"/> MEDSTC	ANTAS000			
<input checked="" type="checkbox"/> MEDSTC	AO*			
<input checked="" type="checkbox"/> MEDSTC	APPC			
<input checked="" type="checkbox"/> MEDSTC	ASCH			
<input checked="" type="checkbox"/> MEDSTC	ASVTCHEK			
<input checked="" type="checkbox"/> MEDSTC	ATF	Was TICTOC		
<input checked="" type="checkbox"/> MEDSTC	AXR*	System Rextx		
<input checked="" type="checkbox"/> MEDSTC	BCM*			

Total: 339, Selected: 13
Reapply Filter and S

OK Apply Re

Actions

- Expand
- Collapse
- New Qualifier Value...
- Cut to Clipboard
- Copy to Clipboard
- Paste Qualifier Values
- Delete...
- View Cross References
- View Messages
- Expand All
- Collapse All
- New Classification Group...
- Paste Classification Groups
- Select All
- Deselect All
- Configure Columns...
- Hide Filter Row
- Clear Filters
- Modify Sort...
- Clear Sorts

IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out

Welcome Workload Man...

Workload Management Help

Overview Service Definitions Modify TESTPLEX

Notes Switch To

Classification Groups

Table view: Tree

Name Filter	Qualifier Type Filter	Qualifier Value Filter	Description Filter	Messages Filter	Last Modified Filter
<input type="checkbox"/> * MEDSTC	* TransactionName		MEDIUM PRIORITY STC(s)	Error	May 18
<input type="checkbox"/> MEDSTC	TransactionName	PORTMAP			
<input type="checkbox"/> MEDSTC	TransactionName	* ABNDAID%			
<input type="checkbox"/> MEDSTC	TransactionName	* ABNDUMP*			
<input type="checkbox"/> MEDSTC	TransactionName	* ANTAS000			
<input type="checkbox"/> MEDSTC	TransactionName	* AO*			
<input type="checkbox"/> MEDSTC	TransactionName	* APPC			
<input type="checkbox"/> MEDSTC	TransactionName	* ASCH			
<input type="checkbox"/> MEDSTC	TransactionName	* ASVTCHEK			
<input type="checkbox"/> MEDSTC	TransactionName	* ATF	Was TICTOC		
<input type="checkbox"/> MEDSTC	TransactionName	* AXR*	System Rexx		

Total: 340, Selected: 0

Reapply Filter and Sort

OK Apply Reset Cancel

IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome Workload Man...

Workload Management

Overview Service Definitions

Service Definitions

Messages 0 0 2 Close All

IZUW028I: Service definition "TESTPLEX" with description "GOAL MODE FOR T, D, & J" was installed on sysplex "CSPLEXT1". Jan 9, 2013 9:25:40 AM

IZUW122I: Service definition "TESTPLEX" with description "GOAL MODE FOR T, D, & J" was modified. Jan 9, 2013 9:25:40 AM

Name	Activity Filter	Sysplex Filter	Messages Filter
TESTPLEX	MODE FOR T, D, & J	CSPLEXT1	Warning
TPLEXSAV	MODE FOR T, D, & J		Warning

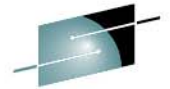
Actions: Modify Service Definition, View Service Definition, View Messages, View History, Print Preview, **Install and Activate...**, Copy..., Delete..., Export, View WLM Status, New..., Import, Select All, Deselect All, Configure Columns..., Hide Filter Row

Total: 2, Selected: 1

Refresh

AM local time (Jan 9, 2013 2:25:40 PM GMT)

Install and Activate Wizard



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome Workload Man...

Workload Management Help

Overview Service Definitions Install and Activate

Install and Activate

- ✓ Welcome
- ✓ Select a Service Policy
- ➔ Install and Activate

Install and Activate
To install the selected service definition and activate the selected policy, click Finish. Doing so will replace the current definition and policy with the selected definition and policy. Service policy activation may take several minutes to complete.

Current installed service definition and active policy:

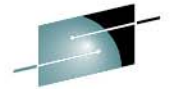
Sysplex	Service Definition	Description	Modified (GMT)	Modified By	Service Policy
CSPLEXT1	TESTPLEX	GOAL MODE FOR T, D, & J	Jan 9, 2013 2:25:38 PM	mam	TESTPLEX

Replace with:

Sysplex	Service Definition	Description	Modified (GMT)	Modified By	Service Policy
CSPLEXT1	TESTPLEX	GOAL MODE FOR T, D, & J	Jan 9, 2013 2:25:38 PM	mam	TESTPLEX

< Back Next > Finish Cancel

Activate



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome x Workload Man... x

Workload Management

Help

Overview Service Definitions x Install and Activate x

Install and Activate

Welcome
 Select a Service Policy
 Install and Activate

Messages

Actions Search

Message ID	Message Text
Filter	Filter
IZUW028I	Service definition "TESTPLEX" with description "GOAL MODE FOR T, D, & J" was installed on sysplex "CSPLEXT1".
IZUW035I	Activation of service policy "TESTPLEX" has completed.

Total: 2

Close

Modified by Service Policy
nam TESTPLEX

Modified by Service Policy
nam TESTPLEX

< Back Next > Finish Cancel

D WLM Before

RESPONSE=USCT

IWM025I 08.27.28 WLM DISPLAY 447

ACTIVE WORKLOAD MANAGEMENT SERVICE POLICY NAME: TESTPLEX

ACTIVATED: 2012/10/01 AT: 09:03:32 BY: ABCDEFG FROM: USCD

DESCRIPTION: GOAL MODE for Development/Test

RELATED SERVICE DEFINITION NAME: TESTPLEX

INSTALLED: 2012/10/01 AT: 09:03:25 BY: ABCDEFG FROM: USCD

WLM VERSION LEVEL: LEVEL025

WLM FUNCTIONALITY LEVEL: LEVEL019

WLM CDS FORMAT LEVEL: FORMAT 3

STRUCTURE SYSZWLM_WORKUNIT STATUS: DISCONNECTED

STRUCTURE SYSZWLM_8C5A2817 STATUS: DISCONNECTED

STATE OF GUEST PLATFORM MANAGEMENT PROVIDER (GPMP): UNAVAILABLE

D WLM After

RESPONSE=USCD

IWM025I 09.27.43 WLM DISPLAY 406

ACTIVE WORKLOAD MANAGEMENT SERVICE POLICY NAME: TESTPLEX

ACTIVATED: 2013/01/09 AT: 09:27:01 BY: MAM FROM: USCT

DESCRIPTION: GOAL MODE for Development/Test

RELATED SERVICE DEFINITION NAME: TESTPLEX

INSTALLED: 2013/01/09 AT: 09:27:01 BY: MAM FROM: USCT

WLM VERSION LEVEL: LEVEL025

WLM FUNCTIONALITY LEVEL: LEVEL019

WLM CDS FORMAT LEVEL: FORMAT 3

STRUCTURE SYSZWLM_WORKUNIT STATUS: DISCONNECTED

STRUCTURE SYSZWLM_8C5A2817 STATUS: DISCONNECTED

STATE OF GUEST PLATFORM MANAGEMENT PROVIDER (GPMP): UNAVAILABLE

I can't think of any useful reason, but I think I might like to know that this policy came from z/OSMF versus ISPF

Fear not Grasshopper...



- All of your WLM stuff is still accessible via the WLM ISPF panels
- You can continue to make changes on the ISPF Panels
- You can use the utilities on the ISPF Panels
- You can still 'print as GML' for export from the panels.
- You can still 'Extract definition from WLM Couple dataset'

WLM ISPF Panel



Action	Name	Description	User	Date
___	HOTSTC	HIGH PRIORITY STC(s)	BZBDYTY	2011/01/31
___	IMPLXSTC	Implex STCs	BZBDYTY	2009/01/23
___	ITDSSAT	ITDS SAT Tasks	BZZARYE	2001/08/03
___	LOWSTC	LOW PRIORITY STC(s)	BZBDYTY	2010/04/20
___	MEDSTC	MEDIUM PRIORITY STC(s)	MAM	2013/01/09
___	OMVSHI	OMVS High Priority Tasks	MAM	2012/05/10
___	OMVSWORK	OMVS Tasks	BZBDYTY	2011/06/14
___	SRMBEST	SRM BEST PRIORITY STC(s)	BZBDYTY	2011/02/01
___	SRMGOOD	SRM GOOD PRIORITY STC(s)	BZZARYE	2011/04/21
___	WDVL	WebSphere DVL Environment	BZZARYE	2010/06/25
___	WSAT	WebSphere SAT Environment	BZZARYE	2010/06/25

WLM ISPF Panel



Command ==>

NETVIEW	
NETVSSI	
NVTSO*	Netview TSO
OMPROUT*	
OROUTED*	
PAGENT	
PAM*	CA-PAM Server
PHOENIX	
PORTMAP	
RMFGAT	
SAMS*	
SC\$*	
SCHRESCK	AO Check Routine
SVOS	
SYNCG*	
SYSV*	SYSVIEW

WLM Settings



The screenshot shows the IBM z/OS Management Facility interface in a Mozilla Firefox browser. The page title is "Workload Management" and the user is logged in as "mam". The left sidebar contains a navigation menu with categories like Configuration, Links, Performance, Problem Determination, Software, z/OS Classic Interfaces, and z/OSMF Administration. The main content area is titled "Workload Management" and has tabs for "Overview" and "Settings". The "Settings" tab is active and contains the following sections:

- Settings**
 - Number of months to keep the service definition history: 12
 - Enable consistency checking between z/OSMF and the z/OS Workload Manager (WLM) couple data set: No
- Sysplex Settings**
 - Sysplex name: CSPLEXT1
 - Code page for the sysplex: IBM-1047 (default)
 - Time zone for the sysplex: GMT-5:00 (default)
 - Backup sequential data set for the sysplex: SYSPROG.WLM.TESTPLEX.ZOSMF
- User Settings**
 - Display information messages that notify you that an object was created, modified, deleted, or imported: Yes

Two pink arrows are overlaid on the image: one points from the "Help" link in the top right to the "Settings" tab, and another points from the "Backup sequential data set" field to the "Time zone" field.

WLM Backup Dataset Name

- You can include the variables `&&USER&&` and `&&TIME&&` in the data set name. To use the variables, you must include the two ampersand characters before and after the words USER and TIME. For example, **`&&USER&&.SERVDEF.&&TIME&&.XML`**. When the data set is allocated, the variable `&&USER&&` is changed to your z/OSMF user ID and the variable `&&TIME&&` is changed to the last eight digits of the current time in milliseconds.
- z/OSMF creates a backup copy when the service definition is installed and stores it in XML format on the z/OSMF host system. If you do not specify a data set name, a backup copy is not created.

Applying Service



- **Decided to put a PTF on...**
 - PM27450/UK65997 z/OSMF 1.13 toleration support for 1.12.
 - Holddata action shows:
 - `/usr/lpp/zosmf/V1R12/bin/izusetup.sh -file /etc/zosmf/izuconfig1.cfg -service`
- Ran successfully the first time, brought the server back up, all is well.
- Subsequently applied PTFS Aug 3, same deal, holddata specified the redeploy command, issued it, worked like a charm.



HOLD(UK79887) SYS FMID(HSMA13A) REASON(ACTION) DATE(12180)

```

*****
* FUNCTION AFFECTED: z/MF Configuration Assistant          *
*                   for z/OSMF (5655S28CA)                *
*****
* DESCRIPTION       : Execute utility to redeploy         *
*                   z/OSMF V1R13 Configuration Assistant  *
*****
* TIMING            : Post-apply                           *
*****

```

If z/OSMF has not been previously configured, no special action is required.

If z/OSMF has already been configured, then it will be necessary to redeploy z/OSMF.

To redeploy the z/OSMF, perform the following steps:

1. Stop the appropriate IBM WebSphere Application Server OEM Edition for z/OS if it is running.
2. Run the following script from the z/OSMF Administrator ID. (ZOSMFAD, by default)
Specify the next 2 lines on a single command line.

```

/usr/lpp/zosmf/V1R1x/bin/izusetup.sh -file
/etc/zosmf/izuconfig1.cfg -service

```



Incident Log



Firefox

IBM z/OS Management Facility Welcome mam Log out

Welcome Incident Log Help

Incident Log

Incident Type Filter		Date and Time (GMT) Dates from Nov 30, 2012 12:00:00 AM	Sysplex Filter	System Filter	Problem Number
<input type="checkbox"/> User Initiated	=CIAPZZAC CODE=AP0001	Dec 26, 2012 3:29:34 PM	CSPLEXT1	USCT	
<input type="checkbox"/> User Initiated	=CIAPZZAC CODE=AP0001	Dec 26, 2012 3:28:56 PM	CSPLEXT1	USCT	
<input checked="" type="checkbox"/> ABEND U0	TI-USER FACILITY FAILURE	Dec 14, 2012 1:20:04 PM	CSPLEXT1	USCT	
<input type="checkbox"/> User Initiated	=CIAPZZAB CODE=AP0001	Dec 13, 2012 4:07:42 PM	CSPLEXT1	USCT	
<input type="checkbox"/> User Initiated	=CIAPZZAB CODE=AP0001	Dec 13, 2012 4:06:24 PM	CSPLEXT1	USCT	
<input type="checkbox"/> User Initiated	SPACE	Dec 7, 2012 9:46:29 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S0	TI-USER FACILITY FAILURE	Dec 6, 2012 6:31:30 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S0	TI-USER FACILITY FAILURE	Dec 6, 2012 5:48:40 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S0	TI-USER FACILITY FAILURE	Dec 6, 2012 1:16:20 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S0	TI-USER FACILITY FAILURE	Dec 6, 2012 1:15:34 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S0	TI-USER FACILITY FAILURE	Dec 6, 2012 1:15:12 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S0	TI-USER FACILITY FAILURE	Dec 6, 2012 1:14:39 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S00C1	CA DATACOM/DB MULTI-USER FACILITY FAILURE	Dec 6, 2012 1:14:24 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S00C1	CA DATACOM/DB MULTI-USER FACILITY FAILURE	Dec 6, 2012 1:13:44 PM	CSPLEXT1	USCT	
<input type="checkbox"/> ABEND S00C1	CA DATACOM/DB MULTI-USER FACILITY FAILURE	Dec 6, 2012 1:13:03 PM	CSPLEXT1	USCT	
<input type="checkbox"/> User Initiated	CICS DUMP: SYSTEM=CIAPZ32A CODE=SR0606 ID=11/0004	Dec 4, 2012 6:14:10 PM	CSPLEXT1	USCT	

Total: 18, Filtered: 18, Selected: 1

Refresh Last refresh: Jan 29, 2013 11:33:23 AM local time (Jan 29, 2013 4:33:23 PM GMT)

FTP Profile and Destinations



Welcome Incident Log

Incident Log > FTP Servers [Help](#)

FTP Servers

Name Filter	Activity Filter	Host Filter	Path Name Filter	Port Number Filter	Description Filter	Transfer Method Filter
<input type="checkbox"/> IBM-ecurep-mvs		ftp.ecurep.ibm.com	/toibm/mvs			FTP
<input type="checkbox"/> IBM-ecurep-tivoli		ftp.ecurep.ibm.com	/toibm/tivoli			FTP
<input type="checkbox"/> IBM-testcase-mvs		testcase.boulder.ibm.com	/toibm/mvs			FTP
<input type="checkbox"/> IBM-testcase-tivoli		testcase.boulder.ibm.com	/toibm/tivoli			FTP

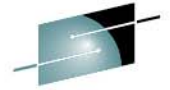
Welcome Incident Log

Incident Log > FTP Profiles [Help](#)

FTP Profiles

Name Filter	Activity Filter	Firewall Host Filter	Firewall User ID Filter	Firewall Port Filter	Firewall Commands Filter
<input type="checkbox"/> CBP (default)	Being modified	10.159.192.15			&USER;@&HOST; &PW;
<input type="checkbox"/> CBP2					
<input type="checkbox"/> No Firewall or Proxy					

RMF



The screenshot shows the IBM z/OS Management Facility interface in Mozilla Firefox. The main window is titled "Resource Monitoring" and displays the "Execution Velocity (Paused)" dashboard. A "Select Sysplex" dialog box is open, showing "LOCALPLEX" as the selected sysplex name. Two callout bubbles are present: a pink one saying "SHARE Requirement SSMVSE11039 Recognized" and a magenta one saying "Available!". The interface includes a left-hand navigation menu with categories like Configuration, Performance, and Problem Determination. The top navigation bar shows "Welcome mam" and "Log out".

RMF: Execution Velocity



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

- Welcome
- Configuration
 - Configuration Assistant
- Links
- Performance
 - Resource Monitoring
 - System Status
 - Workload Management
- Problem Determination
 - Incident Log
- Software
 - Deployment
- z/OS Classic Interfaces
 - ISPF
- z/OSMF Administration
 - Refresh

Welcome x Resource Mon... x

Resource Monitoring

Dashboards Execution Velocity x

Execution Velocity (Running)

Start Pause Save Actions

Service Class Periods

Service Class	Actual Velocity	Goal Velocity
STCHOT.1	20	90
STCLOW.1	26	25
TSOLOW.3	75	20
STCMED.1	76	50
STCSTRVA.1	80	75
STCIMPLX.1	100	20

01/15/2013 12:11:40 - 01/15/2013 12:13:20 (8/8)

Report Class Periods

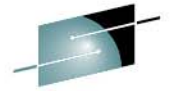
Report Class	Velocity
LESSISXT.1	0
LESTCRX.1	0
LESSIDXT.1	0
LESSDSI.1	0
LESSDSX.1	0
MQMQH.1	0
MQMQ1.1	0
MQML7.1	0
LESTCZE.1	0
LESTCZX.1	0
LESQDQ2.1	0

01/15/2013 12:11:40 - 01/15/2013 12:13:20 (8/8)

■ .LOCALPLEX,SYSPLEX execution velocity by WLM service class period [filtered]
■ .LOCALPLEX,SYSPLEX execution velocity goal by WLM service class period [filtered]

■ .LOCALPLEX,SYSPLEX execution velocity by WLM report class period [filtered]

Software Deployment Management



SHARE

IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

- Welcome
- Configuration
 - Configuration Assistant
- Links
- Performance
 - Resource Monitoring
 - System Status
 - Workload Management
- Problem Determination
 - Incident Log
- Software
 - Deployment
- z/OS Classic Interfaces
 - ISPF
- z/OSMF Administration

Refresh

Welcome Deployment

Deployment Deploy Software [Help](#)

Deploy Software

To deploy a software instance, define a new deployment.

Deployments:

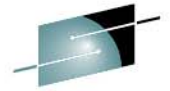
Name Filter	Activity Filter	Categories Filter	Source Software Instance Filter	Source System Filter
<input type="checkbox"/> DK553A	Completed		DK553A	LOCAL
<input type="checkbox"/> CA1	Completed		CA1 Instance	LOCAL
<input type="checkbox"/> DK5022 1.	Completed		z/OS 1.13	LOCAL
<input type="checkbox"/> hi	In progress	Operating System	z/OS 1.13	LOCAL

Total: 4, Selected: 0

Refresh Last refresh: Jan 15, 2013 12:15:44 PM local time (Jan 15, 2013 5:15:44 PM GMT)

Close

Software Deployment Summary



SHARE

IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

Welcome Deployment

Deployment > Deploy Software > Deployment Checklist > View Deployment Summary Help

View Deployment Summary

Review the changes that will occur on the target system when you submit the deployment jobs.

Source software instance: z/OS 1.13 on system LOCAL
Target system: LOCAL
Deployment objective: Create new software instance, create new global zone

SMP/E Zones Volumes Data Sets to Delete Data Sets to Add Data Sets to Replace Catalogs Catalog Aliases

Catalog Entries To Delete Catalog Entries To Add Catalog Entries To Update

Global Zone CSI:
"MVSSMP.DK5022.ZOSG0D.CSI" on system "LOCAL"

Zones to Add

Zone Name	Data Set Name	Zone Type
DK5022	MVSSMP.DK5022.ZOST0D.CSI	TARGET

OK

Maintaining the “Links”



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

- Welcome
- Configuration
- Links
 - ShopzSeries
 - Support for z/OS
 - System z Redbooks
 - WSC Flashes & Techdocs
 - z/OS Basics Information Center
 - z/OS Home Page
 - z/OS Internet Library
- Performance
- Problem Determination
- Software
- z/OS Classic Interfaces
- z/OSMF Administration
 - Application Linking Manager
 - Links
 - Roles
 - Users

Refresh

Welcome Links

Links

You can customize z/OSMF with links to other sites for system management tools and information. Use this page to manage your links and make them accessible to z/OSMF users and guests.

Actions [Search]

Name Filter	Category Filter	Open Link in Filter	Authorizations Filter
<input type="checkbox"/> ShopzSeries	m/software	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest
<input type="checkbox"/> Support for z/OS	m/systems ex.html	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest
<input type="checkbox"/> System z Redbooks	ks.ibm.com	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest
<input type="checkbox"/> WSC Flash Techdocs	m/support	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest
<input type="checkbox"/> z/OS Basic Information Center	der.ibm.com sics/index.jsp	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest
<input type="checkbox"/> z/OS Home Page	http://www.ibm.com/systems /z/os/zos/	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest
<input type="checkbox"/> z/OS Internet Library	http://www.ibm.com/systems /z/os/zos/bkserv/	Links	Browser Window/Tab z/OSMF Administrator,z/OSMF User,z/OSMF Authenticated Guest,z/OSMF Guest

Total: 7, Selected: 0

Refresh Last refresh: Jan 16, 2013 10:45:28 AM

Adding a new link



IBM z/OS Management Facility - Mozilla Firefox

File Edit View History Bookmarks Tools Help

IBM z/OS Management Facility Welcome mam Log out IBM

- Welcome
- Configuration
- Links
 - ShopzSeries
 - Support for z/OS
 - System z Redbooks
 - WSC Flashes & Techdocs
 - z/OS Basics Information Cen
 - z/OS Home Page
 - z/OS Internet Library
- Performance
- Problem Determination
- Software
- z/OS Classic Interfaces
- z/OSMF Administration
 - Application Linking Manager
 - Links
 - Roles
 - Users

Refresh

Welcome x Links x

Links > New Link [Help](#)

New Link

Use this page to define a new link for z/OSMF.

* Name (maximum 30 characters):
IBM MVS Manuals on USCT

* SAF Resource Name Suffix (maximum 220 characters):
BNBASEA.ZOSMF.LINK.duhhh

* URL (maximum 4000 characters):
<http://usct/pdf/ibm/mvs/index.htm>

* Category
Links

Open link in:
 New browser tab or window
 New z/OSMF tab

Authorizations

Role	Description
<input checked="" type="checkbox"/> z/OSMF Administrator	User can perform all tasks defined within z/OSMF.
<input type="checkbox"/> z/OSMF User	User can perform any tasks that are not defined as z/OSMF administration tasks.
<input type="checkbox"/> z/OSMF Authenticated Guest	User is logged into z/OSMF, but is not authorized to perform tasks and has limited access to links.
<input type="checkbox"/> z/OSMF Guest	User is not logged into z/OSMF.

OK Cancel

It's Up...Now What?



- The TCPIP guy is happily using it for Policy Agent.
- I use its reporting capabilities for WLM, which are very nice. It's easy to query, search, etc. I've updated the WLM Policy in test.
- Even though z/osmf runs in the testplex, I was able to 'import the prodplex policy in so I could report on it, and used that info for a cleanup effort. I have since created a z/osmf instance in production.
- The Incident Log portion is not very helpful to us:
 - We don't use sysplex-wide DAE (Our lpars are all very different)
 - We don't really use operlog, and don't care for logger either.
 - We have a homegrown system to manage dumps and we love it.
 - Incident log was not the impetus for z/OSMF for us, the TCP/IP guy wanted it for Config Asst.
- I like the new RMF Plug-in

Things to change for my copy to new Ipar

- BPXSHAREAS to No
- OMVS(ASSIZE) to 12000000
- CFZCIM proc start
- CIM PORT 5988
- 1092* ip ports
- BLSCUSER SYSDDIR SYSPROG.USCT.DDIR
- CEAPRM00

Notes & Kudos



- Logging is impeccable. For a while I was copying and pasting a lot of stuff, the setup script, etc, as documentation, then I just quit because it's all in the logs.
- Service redeploy is rock solid. I've never had a problem with it
- Support Center is...very supportive! They were knowledgable, patient, and pleasant.

The future

- I'm not using Software Deployment, but I've tried it, and could use it.
- I'll probably take another look at Software Deployment (now called Software Management)
- The network guys will continue to use Configuration Assistant
- I have service to put on when I get home...(Dec 2012)
 - Software Management Task (APAR PM73833)
 - Capacity Provisioning Task (APAR PM74519)
 - New Application Linking and Launching in Context (APAR PM74508 and APAR PM74517)
 - Incident Log (APAR PM74518)
 - ISPF Application (APAR PM74507)
 - Jobs REST API (APAR PM74502)
 - Filtering Enhancements (APAR PM74502)
 - Browser Currency (APAR PM74502)

Additional things to review

- **SYS1.SAMPLIB(CEA*) and (CFZ*)**
- **Serverpac jobs: HPG7780B, HBBN700G, HSMA130H**
- <http://www-03.ibm.com/systems/z/os/zos/zosmf/enhancements.html>
- SG24-7851 z/OS Management Facility
 - Appendix C: Security Setup Requirements
- SG24-7946 z/OS 1.13 Implementation
 - Chapter 18: z/OS Management Facility
 - Appendix A: Setting Up WASOEM, z/OSMF, CIM,CEA and Capacity Provisioning
- GA32-0631 WASOEM Config Guide

Other presentations



- [12753 z/OSMF Software Deployment Hands on Lab – tomorrow! 8AM](#) ★
- [13070 z/OSMF Software Management Hands on Lab – tomorrow! 8AM](#) ★
- [13100 Manage your Workloads and Performance with z/OSMF](#)
- [13061 z/OSMF Advanced Functionality](#)
- [13059 z/OSMF: What is it, and why do I want it?](#)
- [13082 New z/OSMF Software Management Capabilities](#)

My tips for success



- Keep calm. If you miss your exit, simply go on to the next one and turn around. Don't try to cross five lanes of traffic.
- If you're not the security admin, make friends with that person. Doughnuts are helpful.
- Try to stick with vanilla naming conventions as much as possible (/var for me, for example)
- Use the planning worksheets (Config Guide P36)
- Use the WASOEM Response File (Config Guide App E)

Questions?

