

**z/OSMF labs:
A smorgasbord of goodies to try out!**

Usage Statistics



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Abstract:

The z/OS Management Facility (z/OSMF) provides a web-based graphical interface for system programmers on z/OS. This hand on lab will give an opportunity to learn about the functions and features in z/OSMF first hand. Attendees can navigate through the Usage Statistics task to check the status of the logged in users and send notifications before an event happens.

This session will be useful to systems programmers and their managers who will be using (or are considering using) the z/OS Management Facility.

Introduction to Usage Statistics

The Usage Statistics task provides the ability for administrators to check the status of the logged in z/OSMF users and send notifications before an event happens. This includes whether a user is currently logged on or the Lightweight Third Party Authentication (LTPA) token expiration time. The administrator can send a notification to all of the logged on z/OSMF users; alerting them that an event is about to occur, allowing the user to take any necessary actions.

z/OSMF Usage Statistics Lab

This lab consists of 4 tasks.

1. Log on to z/OSMF
2. View “Usage Statistics” by z/OSMF task
3. View “Usage Statistics” by z/OSMF REST service
4. Send notification to users

It is recommended that you execute these tasks in the order listed above. As you get familiar with the z/OSMF Usage Statistics, you will be able to work directly with the task you need to accomplish.

As with all the labs in this session, all the teams will be working with the same z/OSMF System. Each team will be given a unique id to work with, please make sure you work with the user id assigned to your team to avoid confusing the other teams.

Notes:

Do NOT use the Browser BACK button to go to the prior screen.

1. Logon to z/OSMF

Step 1: Log in to z/OSMF

- **Launch the Mozilla Firefox browser**
 - Note: If browser asks to add exception for certificate, do so
- **Point Browser to z/OSMF – enter the following url**
 - <https://mvs1.centers.ihost.com/zosmf/>
 - Note: Ignore and close the warning message
 - IZUG809W Unsupported Web browser version or level found: "3.6.13 (.NET CLR 3.5.30729)" . Some z/OSMF functions might not be available if you continue.
- **Login with SHARE userid/pw as provided by the lab instructor**
 - Each workstation has been assigned a unique z/OS User ID
 - SHARAnn (where nn is 01 - 20)
 - Password: to be provided
- **Each User ID has been authorized to all the z/OSMF applications (Plug-ins)**

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2. View “Usage Statistics” by z/OSMF task

Expand the z/OSMF Administration category on the Navigation Tree, and click Usage Statistics

The screenshot shows the IBM z/OS Management Facility interface. The left navigation pane has 'Usage Statistics' selected under 'z/OSMF Administration'. The main content area is titled 'Usage Statistics' and shows a 'View usage for: Tasks' dropdown. A pie chart titled 'Task Usage' displays the distribution of requests by task. A legend lists the tasks and their counts: Incident Log(2), ISPF(2), SDSF(6), Resource Monitoring(2), Software Services(1), and FTP Servers(1). The total number of requests is 30. Below the chart is a table with columns: User ID, Login Status, Authentication Type, LTPA2 Token Expiration, Last Access (GMT), Number of Requests, and % of Total Requests. The first row of the table is highlighted with a blue box, showing user 'debug31' with 476 requests (61.82% of total). A speech bubble points to the 'Task Usage' chart.

User ID	Login Status	Authentication Type	LTPA2 Token Expiration (GMT)	Last Access (GMT)	Number of Requests	% of Total Requests
debug31	Active	Client certificate	Mar 06, 2018 10:49:00 AM	Mar 06, 2018 02:47:00 AM	476	61.82%
Incident Log					2	0.26%
ISPF					2	0.26%
Resource Monitoring					2	0.26%
SDSF					2	0.26%

3. View “Usage Statistics” by REST Service

Choose “REST Services” from drop down menu of “View usage for:”.

The screenshot shows the IBM z/OSMF Usage Statistics page. The left sidebar contains a navigation menu with categories like Welcome, Notifications, Workflows, Configuration, Consoles, Jobs and Resources (including SDSF), Links, Performance, Problem Determination, Software, Sysplex, z/OS Classic Interfaces, and z/OSMF Administration (including Application Linking Manager, Import Manager, Links, Usage Statistics, and z/OSMF Settings). A 'Refresh' button is located at the bottom of the sidebar.

The main content area is titled 'Usage Statistics' and includes a breadcrumb trail: Welcome > Usage Statistics > z/OS Operator Co... > ISPF > Resource Monito... > Incident Log > Workflows > SDSF (SVPLEX6). The 'View usage for:' dropdown menu is set to 'REST Services', which is highlighted by a blue box and a callout bubble labeled 'REST Services'. Below this, a pie chart shows the distribution of task usage by requests, with a total of 740 requests. The legend includes: Notification Services(1), Workflow services(9), Jobs services(248), Cloud Provisioning services(5), and TSO/E address space services(477). To the right of the chart, it indicates 'Start of Data Collection (GMT): Mar 02, 2018 08:22:57 AM' and 'Current Active Users (2 of 7): 29%'.

Below the chart is a table view showing user activity. The table has columns for User ID, Login Status, Authentication Type, LTPA2 Token Expiration (GMT), Last Access (GMT), Number of Requests, and % of Total Requests. The data is as follows:

User ID	Login Status	Authentication Type	LTPA2 Token Expiration (GMT)	Last Access (GMT)	Number of Requests	% of Total Requests
debug31	Active	Client certificate	Mar 06, 2018 10:49:00 AM	Mar 06, 2018 02:47:08 AM	476	61.82%
debug60	Inactive	LTPA2 token	n/a	Mar 02, 2018 15:42:07 PM	1	0.13%
debug61	Active	LTPA2 token	Mar 06, 2018 10:05:00 AM	Mar 06, 2018 02:38:56 AM	3	0.39%
zmfdev	Inactive	LTPA2 token	n/a	Mar 05, 2018 02:17:42 AM	14	1.82%

4. Send notification to users

The screenshot displays the IBM z/OS Management Facility interface. The main window shows the 'Usage Statistics' page with a pie chart titled 'Summary of the task usage by requests:'. The chart shows usage for various tasks: Incident Log(2), ISPF(2), SDSF(6), Resource Monitoring(2), Software Services(1), and FTP Servers(1), totaling 30 requests. A table below the chart shows a list of tasks with columns for 'in Status' and 'Authentication Filter'. A context menu is open over the table, showing options like 'New Notification', 'Expand', 'Collapse', 'Select All', etc. The 'New Notification' option is selected, and a sub-menu is visible with 'All Selected Users' and 'All Logged in Users' options. On the right side, a 'New Notification' dialog box is open, showing fields for 'To:' (debug31,debug61), 'Subject:', and 'Body:'. There are 'OK' and 'Cancel' buttons at the bottom of the dialog.

Click Actions → New notification → All Logged in users or All selected users, send one notification to users.

Exercise Review and Wrap-Up

You now know how to:

- Log on to z/OSMF
- Task usage, check a user's status
- REST Services usage
- Send notification to users



Thank You