

z/OSMF Hands On Lab:

z/OS SDSF using z/OSMF

estimated time to complete: 30-45 minutes



August 6-8, 2014



#SHAREorg



Copyright (c) 2014 by SHARE Inc.  Except where otherwise noted, this work is licensed under <http://creativecommons.org/licenses/by-nc-sa/3.0/>

Abstract

z/OS Management Facility (z/OSMF) provides a web-based graphical interface for system programmers on z/OS. Attendees of this hands-on lab can try the z/OSMF SDSF task to see how it can help them monitor and control jobs and health checks. This session will be useful to systems programmers and their managers who will be using, or are considering using, z/OSMF.

The z/OSMF SDSF task was introduced in z/OSMF V2.1 with PTF UI15294.

Session objective

Gain experience with some basic function of z/OSMF SDSF

You will perform these tasks:

1. SDSF Settings
2. Select the SDSF task
3. Set common filters
4. View jobs
5. Configure a table
6. Switch views
7. Edit and resubmit JCL
8. Modify a property of a job
9. View the User Session Log
10. System command
11. Purge a job's output
12. Export a table
13. Browse a health check

Session objectives

Hints and Tips

- You can get assistance by clicking the Help links – there is always one near the top on the right side
- The closer that you follow the instructions, the easier it will be to assist you if you go astray
- Please note: **Do NOT use the Browser BACK button to go to the prior screen!!!**
- What you see may not exactly match the handout, as the workload varies

Introduction to z/OSMF SDSF

You can use the SDSF task of z/OSMF to:

- See key summary information about your sysplex
- Work with objects such as jobs and checks for IBM z/OS Health Checker
- Issue system commands.

z/OSMF SDSF:

- Communicates with z/OS System Display and Search Facility (SDSF)
- Is protected by z/OS SDSF security (SAF and ISFPRMxx)
- Shows data for the sysplex, or the JESplex for views showing JES data.

Login to z/OSMF

1. Launch the Mozilla Firefox browser
 - If the browser asks to add an exception for the certificate, do so.
2. Point the browser to this URL:
<https://mvs1.centers.ihost.com/zosmf/>
 - Ignore and close the warning message
 - IZUG809W Unsupported Web browser version or level found...
3. Login with SHARE user ID and password 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

z/OSMF SDSF Settings

 Before using the SDSF task the first time, you must specify SDSF settings

- Under z/OSMF Settings

Task 1. SDSF Settings – Perform these steps

The screenshot shows the IBM z/OS Management Facility interface. On the left, a navigation tree includes 'Welcome', 'Notifications', 'Workflows', 'Configuration', 'Jobs and Resources', 'Links', 'Performance', 'Problem Determination', 'Software', 'z/OS Classic Interfaces', and 'z/OSMF Settings'. Under 'z/OSMF Settings', 'SDSF Settings' is selected and highlighted with a dotted border. A 'Refresh' button is also visible. The main panel title is 'SDSF Settings' with tabs for 'Basic' and 'Advanced'. The 'Basic' tab is active, showing 'Display user information:' with a 'Display User' button. Below it is the 'TSO logon settings:' section, which contains fields for 'Logon procedure:' (set to 'share'), 'Account number:' (set to 'shr'), 'Region size (kilobytes):' (set to '100000'), and 'User group:' (set to 'Select or type'). Further down are 'JES settings:', 'JES designation:' (with an unchecked checkbox for 'Force to JES2 subsystem'), 'JES2 name:' (with an unchecked checkbox for 'Use the JES2 subsystem from logon' and a checked radio button for 'Specific JES2 name' followed by a text input field), and 'JES3 name:' (with an unchecked checkbox for 'Use the JES3 subsystem from logon' and a checked radio button for 'Specific JES3 name' followed by a text input field). At the bottom are 'Save' and 'Reset' buttons.

1a. Expand z/OSMF Settings and select the **SDSF Settings** task

1b. Supply or verify the logon settings as shown.
Logon proc: share
Account: shr
Region: 100000

1c. Click **Save**. There is no confirmation message. Go on to the next page.

If you didn't change any values, just go on to the next page.

Task 1. SDSF Settings

IBM z/OS Management Facility

Welcome shara02

SDSF Settings

Basic Advanced

Display user information:

Display User

TSO logon settings:

* Logon procedure: share

* Account number: shr

* Region size (kilobytes): 100000

JES settings:

JES designation:

Force to JES2 subsystem

JES2 name:

Use the JES2 subsystem from logon

Specific JES2 name: []

JES3 name:

Use the JES3 subsystem from logon

Use specific JES3 name: []

Authorization preferences:

Display tasks the user is not authorized to use

Hide tasks the user is not authorized to use

Save Reset

1d. Click the X to close the SDSF Settings tab

Task 2. Select the SDSF Task

New task

Welcome shara02

Log out IBM

Welcome

Welcome to IBM z/OS Management Facility

About

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

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

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

Learn More:

- [What's New](#)
- [z/OSMF tasks at a glance](#)
- [Getting started with z/OSMF](#)

2a. Expand Jobs and Resources, then select **SDSF**

Jobs and Resources

- SDSF

Configuration

Links

Performance

Problem Determination

Software

z/OS Classic Interfaces

z/OSMF Settings

- FTP Servers
- SDSF Settings
- Systems

Refresh

Task 2. Select the SDSF Task

The screenshot shows the IBM z/OS Management Facility interface. The left sidebar contains navigation links: Welcome, Notifications, Workflows, Configuration, Jobs and Resources (with SDSF selected), Links, Performance, Problem Determination, Software, z/OS Classic Interfaces, and z/OSMF Settings (with FTP Servers, SDSF Settings, and Systems listed). A Refresh button is also present. The main window has tabs for Welcome and SDSF, with SDSF selected. A callout box points from the text "A pop-up shows the progress of starting the SDSF task" to a list of six items, each with a checkmark and a progress indicator:

- Obtaining TSO logon info
- Obtaining TSO address space
- Starting SDSF
- Obtaining system information
- Obtaining user authorization
- Obtaining user customization
Starting task

Task 2. Select the SDSF Task

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a task.

Common Filters

TSO Messages

Messages 0 0 1 | Help

System Activity Summary: S1 (Local)

System: S1 (Local) View text

System Activity Percent Busy

Category	Value
LPAR	26%
MVS/SRM	26%
Spool	1%

z/OS Health Checks by Exception

Exception Level	Count
None	0
Low	16
Medium	16
High	2

Active checks: 0 Eligible checks: 150

Refresh Last refresh: Less than 5 seconds ago

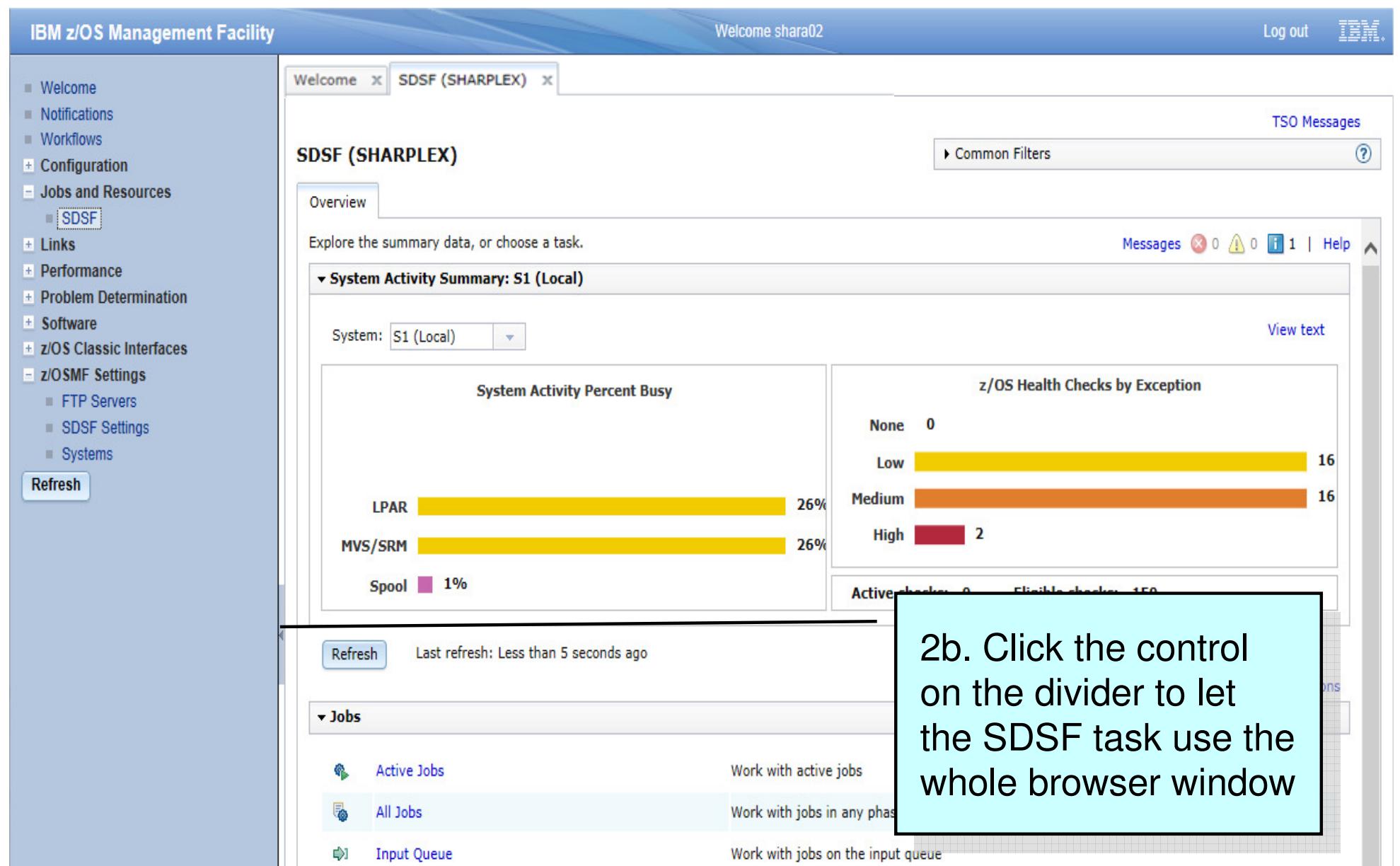
Jobs

Active Jobs Work with active jobs

All Jobs Work with jobs in any phase

Input Queue Work with jobs on the input queue

2b. Click the control on the divider to let the SDSF task use the whole browser window



SDSF Overview Page - Introduction

IBM z/OS Management Facility

Welcome shara02

Log out



Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a task.

▼ System Activity Summary: S1 (Local)

System: S1 (Local)

View text

System Activity Percent Busy



Refresh Last refresh: More than 10 seconds ago

▼ Jobs

Active Jobs

All Jobs

Input Queue

Output Queue

List of views of jobs & checks plus a command line (scroll to see all)

Work with jobs in any phase of processing

Work with jobs on the input queue

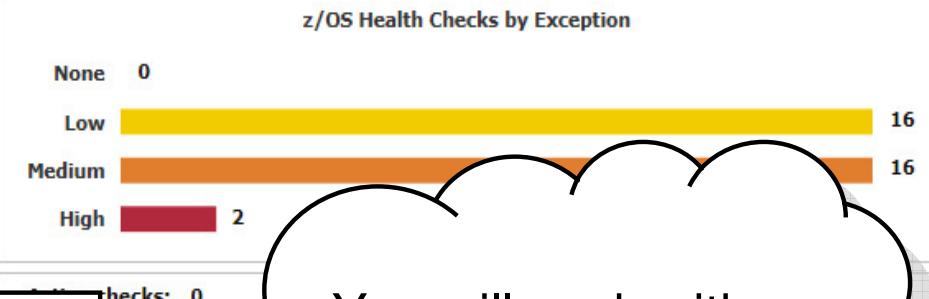
Work with jobs on the output queue

© Copyright IBM Corporation 2014

Summary information in graphical form

Common Filters

Messages 0 0 1 Help



You will work with some of these sections later

Explore the Overview Page

IBM z/OS Management Facility

Welcome shara02

Log out



Welcome X SDSF (SHARPLEX) X

SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a task.

▼ System Activity Summary: S1 (Local)

System: S1 (Local) ▾

System Activity Percent Busy



Refresh

Last refresh: More than 10 seconds ago

▼ Jobs

Active Jobs

Work with active jobs

All Jobs

Work with jobs in any phase of processing

Input Queue

Work with jobs on the input queue

Output Queue

Work with jobs on the output queue

Collapse and expand sections – click ▾ or ▸

Common Filters

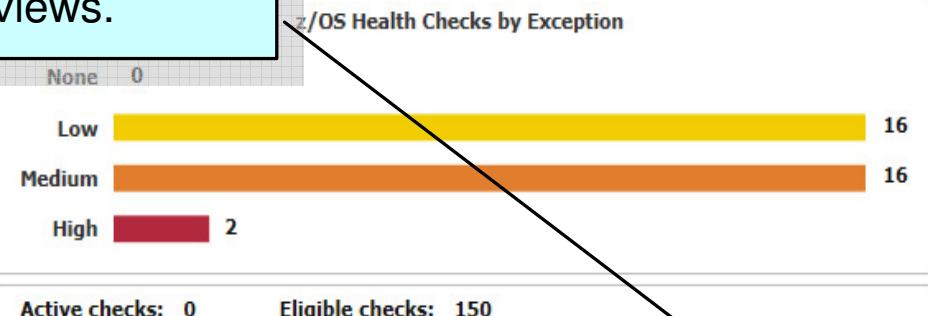
TSO Messages



Choose text or icon views.

Messages 0 0 1 | Help

View text



View icons

Scroll to see more...

Task 3. Set Common Filters

New task

For the lab, a set of jobs have been submitted to populate the SDSF views.
The jobs were submitted with user ID SHARA21.

To explore the SDSF function, you will periodically be asked to change filters
between that user ID and the user ID you are using.

Task 3. Set Common Filters

IBM z/OS Management Facility

Welcome shara02

Log out



Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a link below.

▼ System Activity Summary: S1 (Local)

System: S1 (Local)

[View text](#)

3a. Click the arrow to expand Common Filters

▶ Common Filters

TSO Messages



Messages 0 0 1 | Help

System Activity Percent Busy



z/OS Health Checks by Exception



[Refresh](#)

Last refresh: More than 10 seconds ago

[View icons](#)

▼ Jobs

Active Jobs

Work with active jobs

All Jobs

Work with jobs in any phase of processing

Input Queue

Work with jobs on the input queue

Output Queue

Work with jobs on the output queue

Task 3. Set Common Filters

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a different view.

System Activity Summary: S1 (Local)

System: S1 (Local)

System Activity Performance

z/OS Health Checks by Exception

Active checks: 0 Eligible checks: 150

LPAR [16]
MVS/SRM [27%] High [2]
Spool [1%]

3b. Type new values:
Job name: *
Owner: shara21

Common Filters

Job name: SHARA01 Owner: SHARA21

Apply Reset

More +

3c. Click **More** to see additional filters

Refresh Last refresh: More than 5 minutes ago

View icons

▼ Jobs

Active Jobs Work with active jobs

All Jobs Work with jobs in any phase of processing

Input Queue Work with jobs on the input queue

© Copyright IBM Corporation 2014

Task 3. Set Common Filters

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Explore the summary data, or choose a task.

System Activity Percent Busy

LPAR MVS/SRM Spool 2%

Refresh Last refresh: More than 20 s

Jobs

- Active Jobs Work with active jobs
- All Jobs Work with jobs in any phase of processing
- Input Queue Work with jobs on the input queue
- Output Queue Work with jobs on the output queue

Common Filters

Job name: * Owner: SHARA21 Apply Reset

System: * Destinations (1-4): *

z/OS Health Checks by Exception

None 0

16 16

150

View icons

TSO Messages

3d. Ensure that the values for System and Destination are *

3e. Click **Apply**. You might also want to click the arrow  to collapse the section again. There is no confirmation for Apply. Go on to the next page.

Task 4. View Jobs

New task

The screenshot shows the IBM z/OS Management Facility interface. At the top, it displays 'IBM z/OS Management Facility' and 'Welcome shara02'. On the right, there are 'Log out' and 'IBM' buttons. Below the header, a navigation bar includes 'Workload' (selected), 'EX' (disabled), 'All Jobs' (selected), and 'Input Queue'. A 'Common Filters' button and a 'TSO Messages' link are also present. The main content area features a summary for 'SDFS (SHAR)' and tabs for 'Overview' and 'All Jobs'. A message bar at the bottom indicates 'Messages 0', 'Alerts 0', and 'Info 4'.
System Activity Summary: S1 (Local)
System: S1 (Local)

System Activity Percent Busy	
LPAR	25%
MVS/SRM	25%
Spool	2%

z/OS Health Checks by Exception	
None	0
Low	16
Medium	16
High	2

Active checks: 1 Eligible checks: 150

Refresh Last refresh: More than 55 seconds ago View icons

Jobs

- Active Jobs
- All Jobs (selected)
- Input Queue

Work with jobs in any phase of processing
Work with jobs on the input queue

4a. Click All Jobs to see jobs in any phase

Task 4. View Jobs – Elements

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs

Work with jobs in any phase of processing.

Return Code Counts (14)

Summary information of jobs grouped by return code in graphical form

TSO Messages

Messages 0 0 34 | Help

Common and table filters applied

View text

Abends JCL Error
CC12/CC16 CC4/CC8
CC0 Other

All Jobs

Actions View

JOBNAME	JobID	
HOLDJOB	JOB24708	
HOLDJOB	JOB24719	SHARA21
COPY1234	JOB24699	SHARA21
COPY1234	JOB24709	SHARA21
BR14	JOB24718	SHARA21
COPY1234	JOB24720	SHARA21
CC08RUN	JOB24722	SHARA21
CC04RUN	JOB24721	SHARA21
SAMPJOB	JOB24727	SHARA21
CC09RUN	JOB24723	SHARA21

Total: 14, Selected: 0 < Page 1 of 1 > Rows 100

Properties of

General

- JobCorrelator:
- JobID:
- JOBNAME:
- Type:

Accounting

- Acct:
- End-Date:
- Notify:
- Programmer-Name:
- Rd-Date:
- RNum:
- St-Date:

Advanced

- ASys:
- Cards:
- Device:
- ESys:
- ExecNode:

Scorable table of jobs

Collapsible list of properties of a job

Task 5. Configure a Table – Add Max-RC column

New task

5a. Click View to display a menu

5b. Click Configure Columns

The screenshot shows the IBM z/OS Management Facility interface. At the top, there's a blue header bar with the title "IBM z/OS Management Facility", the user name "Welcome shara02", and "Log out IBM.". Below the header is a dashboard section with a bar chart titled "Return Code Counts (14)" showing percentages for various job categories. To the right of the chart is a legend and a "View text" link. The main area is titled "All Jobs" and contains a table with columns for JOBNAME, Owner, and other details. A callout bubble points to the "View" button in the table's header menu, which is currently open, showing options like "Configure Columns...", "Clear Filters", and "Filter Match". Another callout bubble points to the "Configure Columns..." option in the menu. To the right of the table, there's a panel titled "Edit properties" with sections for "Type:", "Accounting" (with fields for Acct:, End-Date:, Notify:, Programmer-Name:, Rd-Date:, RNum:, St-Date:), and "Advanced" (with fields for ASys:, Cards:, Device:, ESys:, ExecNode:). At the bottom of the screen, there's a footer with copyright information.

Task 5. Configure a Table – Add Max-RC column

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs

Work with jobs in any phase of processing.

Return Code Counts (14)

Configure Columns

Available:

- Acct*
- ASys
- C
- Cards*
- DelayRsn
- Device
- Dly
- End-Date*

Add > Add All >> < Remove << Remove All

* This column is delayed

Selected:

- JobID
- Owner
- Prty
- Queue

Up Down

Additional fixed columns: 0

5c. Scroll to find Max-RC

Rd-Date:
RNum:
St-Date:
 Advanced
ASys:
Cards:
Device:
ESys:
ExecNode:

Total: 14, Selected: 0 Page 1 of 1 Rows 100

Refresh Last refresh: More than 1 minute ago

TSO Messages

0 i 34 | Help

1 table filters applied

View text

Properties

Edit properties

Task 5. Configure a Table – Add Max-RC column

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX) TSO Messages

Overview All Jobs

Work with jobs in any phase of processing.

Return Code Counts (14)

Messages 0 0 34 | Help

Common and table filters applied

View text

Abends JCL Error
CC12/CC16 CC4/CC8
Other

5d. Click Max-RC

Configure Columns

Available: rSys, JobCorrelator, **Max-RC**, MC*, Mode, Notify*, Offs, OrigNode

Selected: JobID, Owner, Prty, Queue

Add > Add All >>

< Remove << Remove All

Additional fixed columns: 0

* This column is delayed

OK Restore Defaults Cancel Help

HOLDJOB
COPY1234
COPY1234
BR14
COPY1234
CC08RUN
CC04RUN
SAMPJOB
CC09RUN

JOBNAME: JOB24718, SHARA21

JOB24720, SHARA21

JOB24722, SHARA21

JOB24721, SHARA21

JOB24727, SHARA21

JOB24723, SHARA21

Total: 14, Selected: 0 Page 1 of 1 Rows 100

ACCT:
End-Date:
Notify:
Programmer-Name:
Rd-Date:
RNum:
St-Date:

Advanced

ASys:
Cards:
Device:
ESys:
ExecNode:

5e. Click Add

Task 5. Configure a Table – Add Max-RC column

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs

Work with jobs in any phase of processing

Return Code Counts (14)

0% 10%

All Jobs

Actions View

JOBNAME	
HOLDJOB	
HOLDJOB	
COPY1234	
COPY1234	
BR14	
COPY1234	
CC08RUN	
CC04RUN	
SAMPJOB	
CC09RUN	

Total: 14, Selected: 0 < Page 1 of 1 > Rows 100

Common Filters TSO Messages

Messages 0 0 38 | Help

Common and table filters applied

View text

Abends JCL Error
CC12/CC16 CC4/CC8
Other

Configure Columns

Available:

- Acct*
- ASys
- C
- Cards*
- DelayRsn
- Device
- Dly
- End-Date*

Add > Add All >> < Remove << Remove All

Selected:

- JobID
- Owner
- Prt
- Queue
- Max-RC

Up Down

* This column is delayed

Additional fixed columns: 0

OK Restore Defaults Cancel Help

5f. Click Up twice, to move Max-RC before Prty

5g. Click OK

Task 5. Configure a Table – Sort

IBM z/OS Management Facility

Welcome shara02

Log out IBM.

Welcome SDSF (SHARPLEX)

TSO Messages

SDSF (SHARPLEX)

Common Filters



Overview

All Jobs

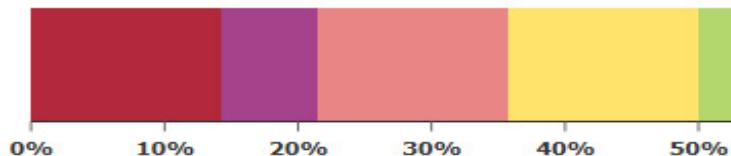
Work with jobs in any phase of processing.

Messages 0 0 42 | Help

Return Code Counts (14)

Common and table filters applied

View text



Max-RC is now in the table

All Jobs

Common Filters

	JOBNAME	JobID	Owner	Max-RC
	HOLDJOB	JOB24708	SHARA21	
	HOLDJOB	JOB24719	SHARA21	
	COPY1234	JOB24699	SHARA21	CC 0000
	COPY1234	JOB24709	SHARA21	CC 0000
	BR14	JOB24718	SHARA21	CC 0000
	COPY1234	JOB24720	SHARA21	CC 0000
	CC08RUN	JOB24721	SHARA21	CC 0000
	CC04RUN	JOB24722	SHARA21	CC 0000
	SAMPJOB	JOB24723	SHARA21	CC 0012
	CC09RUN	JOB24724	SHARA21	CC 0000

5h. Click JOBNAME to sort using that column

Common Filters

Type to filter properties

Edit properties

General

- JobCorrelator:
- JobID:
- JOBNAME:
- Type:

Accounting

- Acct:
- End-Date:
- Identify:
- Programmer-Name:
- Start-Date:
- Sum:
- Date:

Advanced

- ASys:
- Cards:
- Device:
- ESys:
- ExecNode:

Apply Cancel

Total: 14, Selected: 0

< Page 1 of 1 >

Rows 100

Refresh

Last refresh: More than 15 seconds ago

Task 5. Configure a Table – Sort

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Overview All Jobs

Work with jobs in any phase of processing.

Return Code Counts (14)

Messages 0 0 47 | Help

Common and table filters applied

View text

Job names are now sorted

Abends JCL Error
CC12/CC16 CC4/CC8
CC0 Other

All Jobs

Actions View

JOBNAME	JobID	Owner	Max-RC
ABNDJOB	JOB24726	SHARA21	ABEND SD31
BR14	JOB24718	SHARA21	CC 0000
CC04RUN	JOB24721	SHARA21	CC 0004
CC08RUN	JOB24722	SHARA21	CC 0008
CC09RUN	JOB24723	SHARA21	CC 0012
CC16RUN	JOB24724	SHARA21	CC 0016
CC2000	JOB24725	SHARA21	CC 2000
COPY1234	JOB24699	SHARA21	CC 0000
COPY1234	JOB24709	SHARA21	CC 0000
COPY1234	JOB24720	SHARA21	CC 0000

Total: 14, Selected: 0 < Page 1 of 1 > Rows 100

Common Filters Properties of

Type to filter properties

General

- JobCorrelator:
- JobID:
- JOBNAME:
- Type:

Accounting

- Acct:
- End-Date:
- Notify:
- Programmer-Name:
- Rd-Date:
- RNum:
- St-Date:

Advanced

- ASys:
- Cards:
- Device:
- ESys:
- ExecNode:

Apply Cancel

JOBNAME	JobID	Owner	Max-RC
ABNDJOB	JOB24726	SHARA21	ABEND SD31
BR14	JOB24718	SHARA21	CC 0000
CC04RUN	JOB24721	SHARA21	CC 0004
CC08RUN	JOB24722	SHARA21	CC 0008
CC09RUN	JOB24723	SHARA21	CC 0012
CC16RUN	JOB24724	SHARA21	CC 0016
CC2000	JOB24725	SHARA21	CC 2000
COPY1234	JOB24699	SHARA21	CC 0000
COPY1234	JOB24709	SHARA21	CC 0000
COPY1234	JOB24720	SHARA21	CC 0000

Task 6. Switch to another view

New task

The screenshot shows the SDSF (SHARPLEX) interface. At the top, there's a blue header bar with the text "Welcome shara02" and "Log out IBM.". Below the header, the title "SDSF (SHARPLEX)" is visible. A large orange callout bubble on the left says "New task". In the center, there are two tabs: "Overview" (which is highlighted with a black border) and "All Jobs". A black arrow points from the "New task" callout to the "Overview" tab. To the right of the tabs, there's a "Common Filters" button and a "TSO Messages" link. Below the tabs, a message box says "Work with jobs in any phase of processing." and "Return Code Counts (14)". It features a horizontal bar chart with segments for different return codes: Abends (dark red), JCL Error (purple), CC12/CC16 (pink), CC4/CC8 (yellow), CC0 (green), and Other (orange). The "View text" link is located above the legend. On the far right, there's a "Messages" section with icons for errors, warnings, and information, and a link to "Help".

6a. Click the Overview tab

All Jobs

Actions	View	Common Filters				Properties of	
		JOBNAME	JobID	Owner	Max-RC	Type to filter properties	
<input type="checkbox"/>		ABNDJOB	JOB24726	SHARA21	ABEND SD3	<input type="button"/> Edit properties	
<input type="checkbox"/>		BR14	JOB24718	SHARA21	CC 0000	<input type="button"/>	
<input type="checkbox"/>		CC04RUN	JOB24721	SHARA21	CC 0004	<input type="button"/>	
<input type="checkbox"/>		CC08RUN	JOB24722	SHARA21	CC 0008	<input type="button"/>	
<input type="checkbox"/>		CC09RUN	JOB24723	SHARA21	CC 0012	<input type="button"/>	
<input type="checkbox"/>		CC16RUN	JOB24724	SHARA21	CC 0016	<input type="button"/>	
<input type="checkbox"/>		CC2000	JOB24725	SHARA21	CC 2000	<input type="button"/>	
<input type="checkbox"/>		COPY1234	JOB24699	SHARA21	CC 0000	<input type="button"/>	
<input type="checkbox"/>		COPY1234	JOB24709	SHARA21	CC 0000	<input type="button"/>	
<input type="checkbox"/>		COPY1234	JOB24720	SHARA21	CC 0000	<input type="button"/>	

Total: 14, Selected: 0 < Page 1 of 1 > Rows 100

Refresh Last refresh: More than 1 minute ago

Common and table filters applied

View text

Abends JCL Error
CC12/CC16 CC4/CC8
CC0 Other

Properties of

Type to filter properties

Edit properties

General

JobCorrelator:
JobID:
JOBNAME:
Type:

Accounting

Acct:
End-Date:
Notify:
Programmer-Name:
Rd-Date:
RNum:
St-Date:

Advanced

ASys:
Cards:
Device:
ESys:
ExecNode:

Apply Cancel

Task 6. Switch to another view

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

TSO Messages

SDSF (SHARPLEX) Common Filters ?

Overview All Jobs

Explore the summary data, or choose a task.

Messages 0 0 5 | Help

System Activity Summary: S1 (Local)

System: S1 (Local) View text

System Activity Percent Busy

LPAR	25%
MVS/SRM	25%
Spool	2%

z/OS Health Checks by Exception

None	0
Low	16
Medium	16
High	2

Active checks: 0 Eligible checks: 150

Refresh Last refresh: More than 5 sec View icons

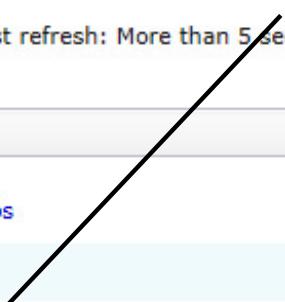
Jobs

Active Jobs Work with active jobs

All Jobs Work with jobs in any phase of processing

Input Queue Work with jobs on the input queue

6b. Click Input Queue



Task 6. Switch to another view

The screenshot shows the IBM z/OS Management Facility interface. At the top, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The "SDSF (SHARPLEX)" tab is active, displaying the "Input Queue" view. This view includes a header bar with "Overview", "All Jobs", and "Input Queue" tabs, a message center with "TSO Messages", and a main area for "Return Code Counts". Below this is a large orange bar chart representing data across 100%. A callout box points to the "Input Queue" tab with the text "Each view has its own tab".

The "Input Queue" view itself contains a table with columns: Actions, View, Common Filters, and Properties of. The table lists two jobs: "HOLDJOB" with JobID "JOB24708" and Owner "SHARA21", and another "HOLDJOB" with JobID "JOB24719" and Owner "SHARA21". To the right of the table is a "Properties of" panel with sections for "General" and "Advanced". The "Advanced" section lists fields: ASys:, Cards:, Device:, ESys:, ExecNode:, and TSys:. A callout box points to this panel with the text "The view includes a graphic summary, table and properties".

Task 7. Edit and resubmit JCL

New task

For this exercise,
start by returning
to the All Jobs
view

7a. Click the **All Jobs** tab

Management Facility

Welcome shara02

Log out IBM.

SDSF (SHARE) SDSF (SHARE)

Overview All Jobs Input Queue

Work with jobs on the input queue.

Return Code Counts (2)

Common Filters

TSO Messages

View text

Other

Input Queue

Actions View

Common Filters

Properties of HOLDJOB

Properties are more current than table data.

Type to filter properties

Edit properties

JOBNAME	JobID	Owner	Prt
HOLDJOB	JOB24708		
HOLDJOB	JOB24719		

JOBNAME JobID Owner Prt

Type:

Accounting

- Acct: 1
- Notify:
- Programmer-Name: SHARE USER
- Rd-Date: Apr 9, 2014 2:03:21 PM
- RNum:
- St-Date: N/A

Advanced

- ASys:
- Cards: 5
- Device:
- ESys:

MESSAGES 0 0 18 | Help

Common and table filters applied

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

SDSF (SHARPLEX) TSO Messages

Overview All Jobs Input Queue

Work with jobs in any phase of processing.

Return Code Counts (14)

Messages 0 0 47 | Help

Common and table filters applied

View text

7b. Scroll the table to find the job we want to use, SAMPJOB

Abends JCL Error
CC12/CC16 CC4/CC8
CC0 Other

All Jobs Common Filters Properties of

Type to filter properties

Actions View

JOBNAME	JobID	Owner	Max-RC
ABNDJOB	JOB24726	SHARA21	ABEND SD31
BR14	JOB24718	SHARA21	CC 0000
CC04RUN	JOB24721	SHARA21	CC 0004
CC08RUN	JOB24722	SHARA21	CC 0008
CC09RUN	JOB24723	SHARA21	CC 0012
CC16RUN	JOB24724	SHARA21	CC 0016
CC2000	JOB24725	SHARA21	CC 2000
COPY1234	JOB24699	SHARA21	CC 0000
COPY1234	JOB24709	SHARA21	CC 0000
COPY1234	JOB24720	SHARA21	CC 0000

Total: 14, Selected: 0 < Page 1 of 1 > Rows 100

Properties of

General

- JobCorrelator:
- JobID:
- JOBNAME:
- Type:

Accounting

- Acct:
- End-Date:
- Notify:
- Programmer-Name:
- Rd-Date:
- RNum:
- St-Date:

Advanced

- ASys:
- Cards:
- Device:
- ESys:
- ExecNode:

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue

Work with jobs in any phase of processing.

Return Code Counts (14)

Messages 0 0 47 | Help

Common and table filters applied

View text

Abends JCL Error
CC12/CC16 CC4/CC8
CC0 Other

0% 10% 0%

7c. Click the SAMPJOB job name. If there is more than one SAMPJOB, pick either one.

All Jobs

Actions View

JOBNAME	JobID	Owner	Max-RC
CC08RUN	JOB24722	SHARA21	CC 0008
CC09RUN	JOB24723	SHARA21	CC 0012
CC16RUN	JOB24724	SHARA21	CC 0016
CC2000	JOB24725	SHARA21	
COPY1234	JOB24699	SHARA21	
COPY1234	JOB24709	SHARA21	
COPY1234	JOB24720	SHARA21	CC 0000
HOLDJOB	JOB24708	SHARA21	
HOLDJOB	JOB24719	SHARA21	
SAMPJOB	JOB24727	SHARA21	JCL ERROR
SHARA	Click on the Job Name to work with the job data sets		

Type to filter properties

Edit properties

This job has a JCL error

Rd-Date:
RNum:
St-Date:

Hover the mouse pointer on the job name for a tip

Total: 14, Selected: 0 < Page 1 of 1 > Rows 100 ISys:

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

SDSF (SHARPLEX)

SAMPJOB (JOB24727)

Job Data Sets Browse Selected Browse All Edit JCL

Actions View

DDNAME	StepName	ProcStep	DSID
JESMSGLG	JES2		
JESJCL	JES2		
JESYSMSG	JES2		

Total: 3, Selected: 0 < Page 1 of 1 > Rows 100

Refresh Last refresh: More than 5 seconds ago

Tabs for job data sets, browse and edit JCL

Properties of

Type to filter properties

Edit properties

General

- DDNAME:
- DSID:
- DSName:

Accounting

- Address-Line1:
- Address-Line2:
- Address-Line3:
- Address-Line4:
- Building:
- CrDate-CrTime:
- Department:
- Name:
- Room:
- Title:

Advanced

- AFPParms:
- Burst:
- Chars:
- ColorMap:
- ComSetup:
- CpyMod:
- CpyModFT:
- FCB:
- Flash:
- FlashC:
- FormLen:
- LRecL:
- Node:

Properties for a selected data set

The screenshot shows the SDSF (SHARPLEX) interface within the IBM z/OS Management Facility. At the top, there are tabs for 'Overview', 'All Jobs', 'Input Queue', and 'SDSF (SHARPLEX)'. A callout box highlights the 'Edit JCL' tab. Below the tabs, a table displays job data sets with columns for DDNAME, StepName, ProcStep, and DSID. A callout box highlights the table with the text 'Table of job data sets'. On the right side, a 'Properties of' panel is open for a selected data set, showing sections for General, Accounting, and Advanced parameters. A callout box highlights this panel with the text 'Properties for a selected data set'. The interface includes standard navigation buttons like 'Actions' and 'View', and a message center at the bottom.

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output Queue Active Jobs

SAMPJOB (JOB24727)

Messages 0 0 21 Help

Job Data Sets Browse Selected Browse All Edit JCL

Job Data Sets

Actions View

DDNAME	StepName	ProcStep	DSID
JESMSGLG	JES2		
JESJCL	JES2		
JESYSMSG	JES2		

Total: 3, Selected: 0 < Page 1 of 1 > Rows 100

Refresh Last refresh: More than 1 hour ago

Properties of

Type to filter properties

+ -

General

DDNAME:
DSID:
DSName:

Accounting

Department:
Name:
Room:
Title:

Advanced

AFPParms:
Burst:
Chars:
ColorMap:
ComSetup:
CpyMod:
CpyModFT:
FCB:
Flash:
FlashC:
FormLen:
LRecL:
Node:

7d. Click the **Browse All** tab to browse job data sets

The screenshot shows the SDSF (SHARPLEX) interface within the IBM z/OS Management Facility. The main area displays a table of job data sets (DDNAME, StepName, ProcStep, DSID) for the SAMPJOB (JOB24727). The 'Browse All' tab is highlighted in blue. To the right, the 'Properties of' panel is open, showing various job parameters like General, Accounting, and Advanced settings. A callout box with a black border and white background contains the text '7d. Click the **Browse All** tab to browse job data sets'. A black arrow points from the top of this callout box down towards the 'Browse All' tab in the navigation bar.

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

All of the job's data sets are shown in a scrollable, searchable window

Find field

JCL error

1 J E S 2 J O B L O G -- S Y S T E M S 1 -- N O D E N 1
0
14.10.20 JOB24727 ----- WEDNESDAY, 09 APR 2014 -----
14.10.20 JOB24727 IRR010I USERID SHARA21 IS ASSIGNED TO THIS JOB.
14.10.20 JOB24727 IEFC452I SAMPJOB - JOB NOT RUN - JCL ERROR 403
0----- JES2 JOB STATISTICS -----
0 19 CARDS READ
0 30 SYSOUT PRINT RECORDS
0 0 SYSOUT PUNCH RECORDS
0 1 SYSOUT SPOOL KBYTES
0 0.00 MINUTES EXECUTION TIME
1 //SAMPJOB JOB (1), 'SHARE USER',
// CLASS=A,MSGCLASS=H,MSGLEVEL=(1,1)
//
// * JCL ERROR
//
2 //GENER EXEC PGM=IEBGENER
3 //SYSPRINT DD SYSOUT=*
//
// * THE FOLLOWING IS A JCL ERROR (DDD BE DD).
// * USE THE EDITJCL FUNCTION TO CORRECT AND
// * RESUBMIT THE JOB
//
4 //SYSUT2 DDD SYSOUT=*
//
5 //SYSUT1 DD *
6 //SYSIN DD DUMMY
STMT NO. MESSAGE
4 IEFC605I UNIDENTIFIED OPERATION FIELD

Find Output Queue

Messages 0 0 21 | Help

Find options

DSID: 2 Line: 1

DSID: 24727

Lines: 29 Lines to move: 2000 Down Up Top Bottom DSID: 4 Line: 2

Refresh Last refresh: More than 30 seconds ago

The screenshot shows the SDSF (SHARPLEX) interface within the IBM z/OS Management Facility. The main window displays a job log for 'SAMPJOB (JOB24727)' with various JCL statements and system messages. A large callout box highlights the scrollable job log area with the text: 'All of the job's data sets are shown in a scrollable, searchable window'. Another callout box points to the 'Find field' button in the toolbar above the log with the text: 'Find field'. A third callout box points to the error message 'IEFC605I UNIDENTIFIED OPERATION FIELD' in the log with the text: 'JCL error'. The top navigation bar includes 'Welcome shara02', 'Log out', and the 'IBM' logo. The bottom status bar shows 'Lines: 29', 'Lines to move: 2000', and 'DSID: 4 Line: 2'. A 'Refresh' button and a note about the last refresh time are also present.

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727)

SAMPJOB (JOB24727)

Job Data Sets Browse Selected Browse All Edit JCL

Job Data Sets

Actions	View	DDNAME	StepName	ProcStep	DSID
		JESMSGLG	JES2		
		JESJCL	JES2		
		JESYSMSG	JES2		

Properties of

Type to filter properties

+ - General

DDNAME:
DSID:
DSName:

CrDate-CrTime:
Department:
Name:
Room:
Title:

+ - Advanced

AFFPParms:
Burst:
Chars:
ColorMap:
ComSetup:
CpyMod:
CpyModFT:
FCB:
Flash:
FlashC:
FormLen:
LRecL:
Node:

7e. Click the **Edit JCL** tab

Total: 3, Selected: 0 < Page 1 of 1 > Rows 100

Refresh Last refresh: More than 1 minute ago

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Common Filters ?

Overview All Jobs Input Queue SAMPJOB (JOB24727)

SAMPJOB (JOB24727)

Job Data Sets Browse Selected Browse All

Messages 0 0 18 | Help ^

Edit JCL

```
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8
00001 //SAMPJOB JOB (1), 'SHARE U
00002 //          CLASS=A, MSGCLASS=H,
00003 /**
00004 /* JCL ERROR
00005 /**
00006 //GENER EXEC PGM=IEBGENER
00007 //SYSPRINT DD SYSOUT=*
00008 /**
00009 /**
00010 /**
00011 /**
00012 /**
00013 //SYSUT2 DDD SYSOUT=*
00014 /**
00015 //SYSUT1 DD *
00016 TEST DATA LINE 1
00017 TEST DATA LINE 2
00018 TEST DATA LINE 3
00019 //SYSIN DD DUMMY
```

JCL for the Job, in an edit window

7f. Change DDD to DD to correct the JCL error

7g. Click Submit

Submit Reset

Lines: 19 Cursor position: Row: 0, Col: 1

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

SAMPJOB (JOB24727)

Job Data Sets Browse Selected Browse All

Edit JCL

```
-----+---1---+---2---+---3---+---4---+---5---+---6---+---7---+---8
00001 //SAMPJOB    JOB (11)
00002 //          CLASS=A,MSQ
00003 /**
00004 /** JCL ERROR
00005 /**
00006 //GENER EXEC PGM=
00007 //SYSPRINT DD SYSOUT
00008 /**
00009 /** THE FOLLOWING IS
00010 /** USE THE EDITJCL
00011 /** RESUBMIT THE JO
00012 /**
00013 //SYSUT2 DD SYSOUT
00014 /**
00015 //SYSUT1 DD *
00016 TEST DATA LINE 1
00017 TEST DATA LINE 2
00018 TEST DATA LINE 3
00019 //SYSIN DD DUMMY
```

TSO Messages are displayed in a pop-up

Common Filters

Messages 0 0 18 | Help

Find

TSO Messages - ASID: 0xBB

```
READY
jobname: SAMPJOB
jobid: JOB24734
status: INPUT
job-correlator: J0024734N1.....CCFB346D.....
class: A
type: JOB
owner: SHARA02
phase-name: Job is queued for conversion
subsystem: JES2
phase: 129
url: https://mvs1.centers.ihost.com:443/zosmf/restjobs/jobs/J002473
files-url: https://mvs1.centers.ihost.com:443/zosmf/restjobs/jobs/J002473
```

Close

7h. Click Close

Lines: 19 Cursor position: Row: 13, Column: 1

Submit Reset

Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX) TSO Messages

All Jobs Input Queue SAMPJOB (JOB24727)

Overview All Jobs Input Queue SAMPJOB (JOB24727)

SAMPJOB (JOB24727)

Job Data Sets Browse Selected Browse All Edit JCL

Messages 0 0 18 | Help

Edit JCL

```
-----+---1---+---2---+---3---  
00001 //SAMPJOB JOB (1), 'SHARE USER  
00002 // CLASS=A, MSGCLASS=H, MSGL  
00003 ///*  
00004 //** JCL ERROR  
00005 //**  
00006 //GENER EXEC PGM=IEBGENER  
00007 //SYSPRINT DD SYSOUT=*  
00008 ///*  
00009 //** THE FOLLOWING IS A JCL ERROR (DDD BE DD).  
00010 //** USE THE EDITJCL FUNCTION TO CORRECT AND  
00011 //** RESUBMIT THE JOB  
00012 //**  
00013 //SYSUT2 DD SYSOUT=*  
00014 //**  
00015 //SYSUT1 DD *  
00016 TEST DATA LINE 1  
00017 TEST DATA LINE 2  
00018 TEST DATA LINE 3  
00019 //SYSIN DD DUMMY
```

7i. Click the **All Jobs** tab (to see the job you just submitted)

Submit Reset

Lines: 19 Cursor position: Row: 13, Column: 13

Task 7. Edit and resubmit JCL

The screenshot shows the IBM z/OS Management Facility SDSF interface. At the top, it says "Welcome shara02". On the left, there's a navigation bar with "SDSF" selected. In the center, there's a large cloud-shaped callout containing the following text:

Because you submitted the job, you need to change the Owner filter to your ID. Note that your ID is on the title bar

Below the callout, there's a horizontal bar with a legend:

- Abends (Red)
- JCL Error (Purple)
- CC12/CC16 (Pink)
- CC4/CC8 (Yellow)
- CC0 (Green)
- Other (Orange)

The bar shows percentages from 0% to 100%.

On the right side of the interface, there's a "Common Filters" dialog box with the following settings:

- Job name: *
- Owner: SHARA21
- Buttons: Apply, Reset, More +

Below the filters, there's a "View text" link and a legend for job types.

In the bottom half of the interface, there's a table titled "All Jobs" with columns: Actions, View, JOBNAME, JobID, Type, Acct, End-Date, Notify, Programmer-Name, Rd-Date, RNum, St-Date, ASys, Cards, Device, ESys, ExecNode, TSys.

A callout box highlights the "Type" column and contains the following text:

7i. Expand Common Filters, change Owner to your user ID, then click **Apply**

Task 7. Edit and resubmit JCL

The view is refreshed with jobs that you own

Here's SAMPJOB

Better result!

This screenshot shows the SDSF (SHARPLEX) interface within the IBM z/OS Management Facility. The top navigation bar includes 'IBM z/OS Management Facility', 'Welcome shara02', 'Log out', and the 'IBM' logo. The main window has tabs for 'Overview', 'All Jobs', and 'Input'. A message box says 'The view is refreshed with jobs that you own'. Below it, a chart shows job distribution by phase: Abends (red), CCO (green), and Other (orange). The 'All Jobs' table lists several jobs, with 'SAMPJOB' highlighted. A tooltip 'Here's SAMPJOB' points to it. Another tooltip 'Better result!' points to the right side of the interface. On the right, a 'Common Filters' panel shows filters for 'Job name:' set to '*' and 'Owner:' set to 'SHARA02', with 'Apply' and 'Reset' buttons. A 'TSO Messages' panel is also visible.

JOBNAME	Owner	Max-RC
SAMPJOB	SHARA02	CC 0000
SHARA02	SHARA02	CC 0000
SHARA02	SHARA02	CC 0000
SHARA02	SHARA02	ABEND S222

Total: 7, Selected: 0 < Page 1 of 1 > Rows 100

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

View text

Abends CCO Other

All Jobs

Actions View

Type to filter properties

Edit properties

General

JobCorrelator:
JobID:
JOBNAME:
Type:

Accounting

Acct:
End-Date:
Notify:
Programmer-Name:
Rd-Date:
RNum:
St-Date:

Advanced

ASys:
Cards:
Device:
ESys:
ExecNode:
ISys:

Task 8. Modify a property of a job

New task

8a. Go back to the Overview page. For this exercise, you're going to modify a property on a different view.

The screenshot shows the IBM Management Facility interface. On the left, there's a navigation bar with 'SDSF (SHAR)' and a 'New task' callout. Below it is the 'All Jobs' overview, which includes a chart showing job distribution across three categories: Abends (red), CCO (green), and Other (orange). The chart has a total width of 100% and is divided into segments at 0%, 10%, 20%, 30%, 40%, 50%, 60%, 70%, 80%, 90%, and 100%. A legend on the right identifies the colors: red for Abends, green for CCO, and orange for Other. On the right side of the interface, there's a 'Properties of' panel for a selected job named 'SAMPJOB'. This panel lists various properties under sections like General, Accounting, and Advanced, with 'Edit properties' buttons next to each section. The 'General' section includes fields for JobCorrelator, JobID, JOBNAM, and Type. The 'Accounting' section includes fields for Acct, End-Date, Notify, Programmer-Name, Rd-Date, RNum, and St-Date. The 'Advanced' section includes fields for ASys, Cards, Device, ESys, ExecNode, and ISys. At the bottom of the interface, there are pagination controls and a message area labeled 'TSO Messages'.

JOBNAME	JobID	Owner	Max-RC
SAMPJOB	JOB24734	SHARA02	CC 0000
SHARA02	TSU24733	SHARA02	
SHARA02	TSU05902	SHARA02	CC 0000
SHARA02	TSU24572	SHARA02	ABEND S222
SHARA02	TSU24600	SHARA02	ABEND S222
SHARA02	TSU24679	SHARA02	ABEND S222
SHARA02	TSU24729	SHARA02	ABEND S222

Total: 7, Selected: 0 < Page 1 of 1 > Rows 100

Properties of SAMPJOB

Type to filter properties

General

JobCorrelator:
JobID:
JOBNAM:
Type:

Accounting

Acct:
End-Date:
Notify:
Programmer-Name:
Rd-Date:
RNum:
St-Date:

Advanced

ASys:
Cards:
Device:
ESys:
ExecNode:
ISys:

Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome x SDSF (SHARPLEX) x TSO Messages

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) x

Explore the summary data, or choose a task.

▼ System Activity Summary: S1 (Local)

System: S1 (Local) View text

System Activity Percent Busy

LPAR	26%
MVS/SRM	25%
Spool	2%

z/OS Health Checks by Exception

None	0
Low	16
Medium	16
High	2

Active checks: 0 Eligible checks: 150

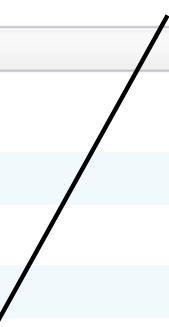
Refresh Last refresh: Less than 5 seconds ago View icons

▼ Jobs

- Active Jobs
- All Jobs
- Input Queue
- Output Queue
- Held Output Queue**

Work with active jobs
Work with jobs in any phase of processing
Work with jobs on the input queue
Work with jobs on the output queue
Work with jobs on the held output queue

8b. Click Held Output Queue



Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM.

SDSF (SHARPLEX)

Work with jobs on the held output queue.

Return Code Counts (5)

Graphic summary, table and properties

Common Filters

Job name: * Owner: SHARA02

Apply Reset More +

View text

Abends cco

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Held Output Queue

Actions View

Type to filter properties

Edit properties

Click on the Job Name to work with the job data sets

JOBNAME JobID

JOBNAME	JobID
SHARA02	TSU24572
SHARA02	TSU24600
SHARA02	TSU24679
SHARA02	TSU24729
SAMPJOB	JOB24734

Submitter: JobID: JOBNAME: ODisp: OGID1: OGID2: O-Grp-N: Type:

Accounting

Acct: CrDate: End-Date: MC: Notify: Programmer-Name: Rd-Date: RNum: St-Date:

Advanced

Total: 5, Selected: 0 Page 1 of 1 Rows 100

8c. Click the checkbox for SAMPJOB to select the job

Task 8. Modify a property of a job

The screenshot shows the SDSF (SHARPLEX) interface within the IBM z/OS Management Facility. The top navigation bar includes 'IBM z/OS Management Facility', 'Welcome shara02', 'Log out', and the 'IBM' logo. The main window title is 'SDSF (SHARPLEX)'.

The left pane displays a 'Held Output Queue' table with columns: JOBNAME, JobID, Owner, and Prty. A row for 'SAMPJOB' is selected, showing JobID 'JOB24734' and Owner 'SHARA02'. A message box on this pane states: "Properties are in groups, which you can expand and collapse".

The right pane shows 'Properties are more current' for the selected job. It lists properties grouped under 'General' and 'Accounting'. The 'General' group includes: JobCorrelator: 'JOB24734', JobID: 'SAMPJOB', ODisp: 'HOLD', OGID1: '1', OGID2: '1', O-Grp-N: '1', Type: 'JOB'. The 'Accounting' group includes: Acct: '1', CrDate: 'Apr 9, 2014 5:43:34 PM', End-Date: 'Apr 9, 2014 5:43:34 PM', MC: 'H', Notify: 'Programmer-Name: SHARE USER', Rd-Date: 'Apr 9, 2014 5:43:34 PM', RNum: ''.

Annotations with callouts point to specific features:

- A callout from the 'Properties are in groups...' message points to the 'General' property group in the right pane.
- A callout from the 'Properties for the job are now shown' message points to the right pane itself.
- A callout from the 'You can collapse the whole properties section by clicking here' message points to the minus sign icon next to the 'General' group header.

Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

▼ Return Code Counts (5)

View text

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Abends CCO

Held Output Queue

Actions View

JOBNAME	JobID	Owner
SHARA02	TSU24572	SHARA02
SHARA02	TSU24600	SHARA02
SHARA02	TSU24679	SHARA02
SHARA02	TSU24729	SHARA02
<input checked="" type="checkbox"/> SAMPJOB	JOB24734	SHARA02

Total: 5, Selected: 1 < Page 1 of 1 > Rows 100

8d. Click Edit properties

DB

Type to filter properties

Edit properties

General

JobCorrelator: JobID: JOB24734
JOBNAME: SAMPJOB
ODisp: HOLD
OGID1: 1
OGID2: 1
O-Grp-N: 1
Type: JOB

Accounting

Acct: 1
CrDate: Apr 9, 2014 5:43:34 PM
End-Date: Apr 9, 2014 5:43:34 PM
MC: H
Notify:
Programmer-Name: SHARE USER
Rd-Date: Apr 9, 2014 5:43:34 PM
RNum:

Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

Return Code Counts (5)

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

TSO Messages

View text

Properties are now editable

Abends cco

Held Output Queue

Actions View

JOBNAME	JobID	Owner	Prty
SHARA02	TSU24572	SHARA02	
SHARA02	TSU24600	SHARA02	
SHARA02	TSU24679	SHARA02	
SHARA02	TSU24729	SHARA02	
SAMPJOB	JOB24734	SHARA02	

Properties are more current. Type to filter properties

General

Edit properties

Edit properties

8e. Scroll down to the Prty property, or type Prty in the Filter field at the top of the Properties section

JOB24734
SAMPJOB
HOLD
1
1
1
JOB

1
Apr 9, 2014 5:43:34 PM
Apr 9, 2014 5:43:34 PM
H

SHARE USER
Apr 9, 2014 5:43:34 PM

Total: 5, Selected: 1 Page 1 of 1 Rows 100

Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

Return Code Counts (5)

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

View text

Abends CCO

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Held Output Queue Common Filters Edit Properties of SAMPJOB

Properties are more current than table data. Type to filter properties

Printing

Burst: NO
LOCAL
1
0
60

Scheduling

C:
JP:
Prty: H
1
145

Security

Owner: SHARA02
SecLabel:
SubGroup: SHARUSER

Status

Actions View

JOBNAME JobID Owner Prty

JOBNAME	JobID	Owner	Prty
SHARA02	TSU24572	SHARA02	
SHARA02	TSU24600	SHARA02	
SHARA02	TSU24679	SHARA02	
SHARA02	TSU24729	SHARA02	
<input checked="" type="checkbox"/> SAMPJOB	JOB24734	SHARA02	

Total: 5, Selected: 1 < Page 1 of 1 > Rows 100

8f. Type a new value, 145, in the Prty field

Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

TSO Messages

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

Abends CCO

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Held Output Queue Common Filters Edit Properties of SAMPJOB

Properties are more current than table data.

Type to filter properties

Actions View

JOBNAME	JobID	Owner	Prtv
SHARA02	TSU24572		
SHARA02	TSU24600		
SHARA02	TSU24679		
SHARA02	TSU24729		
SAMPJOB	JOB24734		

Total: 5, Selected: 1 Refresh Last refresh: More than 1 minute ago

8g. If the Apply button is not visible, scroll (using the outermost scroll bar)

8h. Click Apply

C: JP: Prty: Security Owner: SHARA02 SecLabel: SHARUSER SubGroup: Status Max-RC: CC 0000

NO LOCAL 1 0 60 H 1 145

Apply Cancel

© Copyright IBM Corporation 2014

Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara02 Log out IBM.

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

Return Code Counts (5)

Common Filters

Job name: * Owner: SHARA02 Apply Reset

TSO Messages

View text

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Abends CCO

Held Output Queue

Actions View

JOBNAME		Owner	Prtv	C
SHARA02	572	SHARA02	144	H
SHARA02	600	SHARA02	144	H
SHARA02	679	SHARA02	144	H
SHARA02	729	SHARA02	144	H
SAMPJOB	734	SHARA02	145	H

Properties of SAMPJOB

Properties are more current than table data.

Type to filter properties

Burst:	NO
Dest:	LOCAL
Device:	
Node:	1
Rmt:	
SysID:	
Tot-Page:	0
Tot-Rec:	60
Scheduling	
C:	H
JP:	1
Prtv:	145
Security	
Owner:	SHARA02
SecLabel:	
SubGroup:	SHARUSER
Status	
Max-RC:	CC 0000

Prty value has changed

Total: 5, Selected: 1 < Page 1 of 1 > Rows 100

Task 9. View the user session log

New task

Work with jobs on the held output queue.

Return Code Counts (5)

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

View text

Held Output Queue

Actions		View	
JOBNAME			
<input type="checkbox"/>	SHARA02	572	SHARA02
<input type="checkbox"/>	SHARA02	600	SHARA02
<input type="checkbox"/>	SHARA02	679	SHARA02
<input type="checkbox"/>	SHARA02	729	SHARA02
<input checked="" type="checkbox"/>	SAMPJOB	734	SHARA02

Total: 5, Selected: 1 < Page 1 of 1 > Rows 100

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

More +

9a. Return to the Overview page

SAMPJOB

Burst: NO

Dest: LOCAL

Device:

Node:

Rmt:

SysID:

Tot-Page: 0

Tot-Rec: 60

Scheduling

C: H

JP: 1

Prty: 145

Security

Owner: SHARA02

SecLabel:

SubGroup: SHARUSER

Status

Max-RC: CC 0000

Task 9. View the user session log

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

System Activity Percent Busy

Category	Value
LPAR	25%
MVS/SRM	25%
Spool	2%

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

None
Low
Medium
High 16 2

Active checks: 0 Eligible checks: 150

Refresh Last refresh: More than 5 seconds ago View icons

Jobs

- Active Jobs Work with active jobs
- All Jobs Work with jobs in any phase of processing
- Input Queue Work with jobs on the input queue
- Output Queue Work with jobs on the output queue
- Held Output Queue Work with jobs on the held output queue

Health Checks

- z/OS Health Checks

z/OS Commands and Logs

System command line: S1 (Local)
Type command here (maximum 126 characters)
Help with command syntax...

User Session Log

Display and search the User Session Log

**9b. Click User Session Log.
(You may need to scroll to see the link.)**

Task 9. View the user session log

IBM z/OS Management Facility Welcome shara02 Log out IBM.

W Log for your session

S

Overview All Jobs Input Queue

User Session Log (SHARA02)

Actions ▾

S1 2014099 17:55:25.68	ISF0311 CONSOLE SHARA02 ACTIVATED
S1 2014099 17:55:25.68	-\$TOJ(24734),OUTGRP=1.1.1,P=145
S1 2014099 17:55:25.68 JOB24734	\$HASP686 OUTPUT(SAMPJOB) \$HASP686 OUTPUT(SAMPJOB) OUTGRP=1.1.1,BURST=NO,FCB=*****, FLASH=****,FORMS=STD,HOLD=(NONE), OUTDISP=HOLD,PRIORITY=145, PRMODE=LINE,QUEUE=H, RECORDS=(60 OF 60),ROUTECODE=LOCAL, SECLABEL=,TPJOBID=,TPJOBN=, TSOAVAIL=YES,UCS=****,USERID=SHARA02, WRITER=

TSO Messages

Common Filters

Apply Reset More +

Line: 1

Lines to move: 2000 Down Up Top Bottom Line: 11

z/OS System Commands

*System command line: S1 (Local)

Select or type (maximum 126 characters)

Submit

Help with command syntax...

JES2 command that was generated when you changed the Prty value

Messages issued in response

Task 10. System command

The screenshot shows the IBM z/OS Management Facility interface. The top navigation bar includes 'IBM z/OS Management Facility', 'Welcome shara02', 'Log out', and the 'IBM' logo. A red callout bubble labeled 'New task' points to the 'Actions' dropdown menu. The main content area displays the 'User Session Log (SHARA02)' and a 'z/OS System Commands' section. The system command line at the bottom shows the entry 'd a'. A large callout box on the left contains the text: 'This page includes a command line for system commands. (So does the Overview page.)'. Two smaller callout boxes on the right provide instructions: '10a. Type d a' and '10b. If a list of commands appears beneath the command line, click the entry for d a'. The TSO Messages panel on the right shows job details for 'SAMPJOB (JOB24727)'.

New task

This page includes a command line for system commands. (So does the Overview page.)

10a. Type d a

10b. If a list of commands appears beneath the command line, click the entry for d a

CONSOLE SHARA02 ACTIVATED
34) , OUTGRP=1.1.1, P=145
OUTPUT (SAMPJOB)
OUTPUT (SAMPJOB) OUTGRP=1.1.1, BURST=NO, FCB=*****,
FLASH=****, FORMS=STD, HOLD=(NONE),
OUTDISP=HOLD, PRIORITY=145,
PRMODE=LINE, QUEUE=H,
RECORDS=(60 OF 60), ROUTECDE=LOCAL,
SECLABEL=, TPJOBID=, TPJOBN=,
TSOAVAIL=YES, UCSS=****, USERID=SHARA02,
WRITER=

z/OS System Commands

*System command line: S1 (Local)

d a

Submit

TSO Messages

Common Filters

Job name: * Owner: SHARA02

Find

Line: 1

Line: 11

Bottom

Lines to move

Task 10. System command

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

User Session Log (SHARA02)

Actions ▾ Line: 1

S1 2014099 17:55:25.68	ISF031I CONSOLE SHARA02 ACTIVATED
S1 2014099 17:55:25.68	-\$TOJ(24734),OUTGRP=1.1.1,P=145
S1 2014099 17:55:25.68 JOB24734	\$HASP686 OUTPUT (SAMPJOB) \$HASP686 OUTPUT (SAMPJOB) OUTGRP=1.1.1,BURST=NO,FCB=****, FLASH=****,FORMS=STD,HOLD=(NONE), OUTDISP=HOLD,PRIORITY=145, PRMODE=LINE,QUEUE=H, RECORDS=(60 OF 60),ROUTECD=LOCAL, SECLABEL=,TPJOBID=,TPJOBN=, TSOAVAIL=YES,UCS=****,USERID=SHARA02, WRITER-

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

Find

Lines to move: 2000 Down Up Top Bottom Line: 11

z/OS System Commands

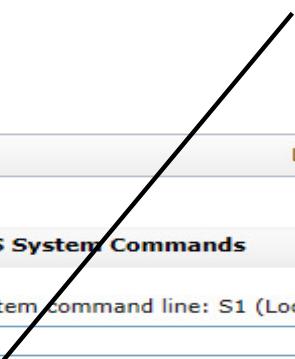
*System command line: S1 (Local)

d a

[Help with command syntax...](#)

[Help with command syntax...](#)

10c. Click the Help with command syntax link



Task 10. System command

The help opens in a new browser window. You may need to bring it to the top.

Help - IBM z/OSMF Management Facility

IBM.

Enter search terms All content Select language | Back Forward Print

Jobs and Resources > SDSF > Issuing system commands > Using Help with command syntax

Help with command syntax

Command: d a

Help with command syntax found the following topics. Click the link for a command or book.

Command	Topic	Book
DISPLAY A	Displaying system activity	z/OS MVS System Commands
DISPLAY ALLOC,GRPLOCKS	Displaying allocation and lock information	
DISPLAY LOC,IGDINFO	Displaying logical device information	
DISPLAY IC,OPTIONS	Displaying interface setting information	
DISPLAY APPC	Displaying APPC information	
DISPLAY ASCH	Displaying ASCH information	
DISPLAY ASM	Displaying ASM information	
DISPLAY AUTOLOG	DISPLAY AUTOLOG command	z/OS Communications Server SNA Operation
DISPLAY AUTOR	Displaying auto-reply policy and WTORs information	z/OS MVS System Commands
DISPLAY AXR	Displaying REXXLIB data	z/OS MVS System Commands
DEVSERV parameter	Syntax	z/OS MVS System Commands
DUMP parameter	DUMP command	z/OS MVS System Commands

List of topics to help you complete the command that you typed. Clicking any link under **Command** shows the syntax diagram.

Task 11. Purge a job's output

New task

User Session Log (SHARA02)

Actions ▾

S1	2014099	17:55:25.68	ISF031I CONSOLE SHARA02 ACTIVATED
S1	2014099	17:55:25.68	-\$TOJ(24734),OUTGRP=1.1.1,P=145
S1	2014099	17:55:25.68	JOB24734 \$HASP686 OUTPUT(SAMPJOB) \$HASP686 OUTPUT(SAMPJOB) \$HASP686 \$HASP686 \$HASP686 \$HASP686 \$HASP686 \$HASP686 \$HASP686 \$HASP686

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

Find

Line: 1

11a. Return to the SDSF window and click the Held Output Queue tab

z/OS System Commands

*System command line: S1 (Local)

d a

Help with command syntax... Submit

Line: 11

Task 11. Purge a job's output

IBM z/OS Management Facility Welcome shara02 Log out IBM.

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

▼ Return Code Counts (5)

TSO Messages

Common Filters

Job name: * Owner: SHARA02 Apply Reset

More +

View text

Abends CCO

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Held Output Queue

Actions View

Purge Output More Actions...

	JobID	Owner
<input type="checkbox"/> SHARA02	TSU24572	SHARA02
<input type="checkbox"/> SHARA02	TSU24600	SHARA02
<input type="checkbox"/> SHARA02	TSU24679	SHARA02
<input type="checkbox"/> SHARA02	TSU24729	SHARA02
<input checked="" type="checkbox"/> SAMPJOB	JOB24734	SHARA02

Properties of SAMPJOB

OGID2: 1
O.Crn. N: 1

014 5:43:34 PM
014 5:43:34 PM

Notify:
Programmer-Name: SHARE USER
Rd-Date: Apr 9, 2014 5:43:34 PM
RNum:

11b. Click **Actions**. You may see a list of recently used actions (**Purge Output**, here) or just **More Actions...**

11c. Click **More Actions...**

Task 11. Purge a job's output

You can list all actions, or just those in a category

11d. Click Purge Output

11e. Click OK

The screenshot shows the IBM z/OS Management Facility SDSF (SHARPLEX) interface. At the top, it says "IBM z/OS Management Facility", "Welcome shara02", "Log out", and "IBM". Below that, there are tabs for "Welcome" and "SDSF (SHARPLEX)". On the right, there's a "TSO Messages" panel with a "Common Filters" section where "Job name:" is set to "*" and "Owner:" is set to "SHARA02". In the center, there's a "Held Output" queue for job "OB24727". A modal dialog box is open, titled "More Actions". It has two sections: "Categories" and "Actions". Under "Categories", "All" is selected, and under "Actions", "Purge Output" is highlighted. At the bottom of the dialog are "OK" and "Cancel" buttons. The main interface below the dialog shows the Held Output Queue with several entries, including "SHARA02", "SHARA02", "SHARA02", "SHARA02", and "SAMPJOB".

Task 11. Purge a job's output

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

▼ Return Code Counts (5)

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

View text

Abends CCO

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Held Output Queue

Actions View

JOBNAME	JobID
SHARA02	TSU24572
SHARA02	TSU24600
SHARA02	TSU24679
SHARA02	TSU24729
SAMPJOB	JOB24734

Confirm Action

You are about to perform action Purge Output. Do you want to continue?

OK Cancel

JobCorrelator: JobID: JOB24734
JobNAME: SAMPJOB
ODisp: HOLD
OGID1: 1
OGID2: 1

End-Date: Apr 9, 2014 5:43:34 PM
MC: H
Notify:
Programmer-Name: SHARE USER
Rd-Date: Apr 9, 2014 5:43:34 PM
RNum:

Total: 5, Selected: 1 < Page 1 of 1 > Rows 100

11f. Click OK to confirm

Task 11. Purge a job's output

IBM z/OS Management Facility Welcome shara02 Log out IBM

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with jobs on the held output queue.

▼ Return Code Counts (4)

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

View text

Abends

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

Held Output Queue Common Filters Properties of

Actions View

JOBNAME	JobID	Owner	Prty
SHARA02	TSU24572	SHARA02	
SHARA02	TSU24600	SHARA02	
SHARA02	TSU24679	SHARA02	
SHARA02	TSU24729	SHARA02	

Type to filter properties Edit properties

General

JobCorrelator:
JobID:
JOBNAME:
ODisp:
OGID1:
OGID2:
O-Grp-N:
Type:

SAMPJOB has been purged

Programmer-Name:
Rd-Date:
RNum:
St-Date:

Advanced

Total: 4, Selected: 0 < Page 1 of 1 > Rows 100

Task 12. Export a table

New task

For this exercise, we'll use a different table, but you can export any table

12a. Click Overview

The screenshot shows the IBM i Management Facility interface. The title bar says "IBM i Management Facility" and "Welcome shara02". A large orange callout bubble on the left says "New task". A speech bubble on the right contains the text "For this exercise, we'll use a different table, but you can export any table". A callout arrow points from the "New task" bubble to the "Overview" tab in the navigation bar. A callout box highlights the "12a. Click Overview" step. The main area displays a table titled "Held Output Queue" with columns: Actions, JOBNAME, JobID, Owner, and Prty. The table lists four rows for "SHARA02" with JobIDs TSU24572, TSU24600, TSU24679, and TSU24729 respectively. To the right of the table is a "Properties of" panel with sections for General, Accounting, and Advanced. The General section includes fields like JobCorrelator, JobID, and JOBNAME. The Accounting section includes fields like Acct, CrDate, End-Date, MC, Notify, Programmer-Name, Rd-Date, RNum, and St-Date.

Actions	JOBNAME	JobID	Owner	Prty
<input type="checkbox"/>	SHARA02	TSU24572	SHARA02	
<input type="checkbox"/>	SHARA02	TSU24600	SHARA02	
<input type="checkbox"/>	SHARA02	TSU24679	SHARA02	
<input type="checkbox"/>	SHARA02	TSU24729	SHARA02	

Total: 4, Selected: 0 < Page 1 of 1 > Rows 100

Type to filter properties

Properties of

General

- JobCorrelator:
- JobID:
- JOBNAME:
- ODisp:
- OGID1:
- OGID2:
- O-Grp-N:
- Type:

Accounting

- Acct:
- CrDate:
- End-Date:
- MC:
- Notify:
- Programmer-Name:
- Rd-Date:
- RNum:
- St-Date:

Advanced

Task 12. Export a table

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

System Activity Percent Busy

Category	Value
LPAR	25%
MVS/SRM	25%
Spool	2%

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

None
Low
Medium
High 16 2

Active checks: 0 Eligible checks: 150

Refresh Last refresh: More than 1 hour View icons

12b. Click Active Jobs

Jobs

- Active Jobs Work with active jobs
- All Jobs Work with jobs in any phase of processing
- Input Queue Work with jobs on the input queue
- Output Queue Work with jobs on the output queue
- Held Output Queue Work with jobs on the held output queue

Health Checks

- z/OS Health Checks Manage z/OS Health Checks

z/OS Commands and Logs

System command line: S1 (Local)
Type command here (Maximum 126 characters) Submit

Help with command syntax...

User Session Log Display and search the User Session Log

© Copyright IBM Corporation 2014

Task 12. Export a table

The Active Jobs view includes a graphic summary, table and properties

System Activity Percent Busy

System	Percent Busy
LPAR	26%
MVS/SRM	25%

Demand Paging Rate: 0

Top CPU Percentages

User	Percent
SHARA02	0.22%

Active Jobs

Actions	View	Common Filters				Properties of	
		JobName	StepName	ProcStep	JobID	Type to filter properties	
		SHARA02	SHARE	IZUTSOAP	TSU24765	Edit properties	

Properties of SHARA02

12c. Change the Owner to * and click **Apply** (to get more table data)

Advanced

MemLimit:	
Pos:	
Quiesce:	
Server:	

Task 12. Export a table

IBM z/OS Management Facility

Welcome shara02

Log out

IBM

Welcome SDSF (SHARPLEX)

TSO Messages

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Work with active jobs.

Active Jobs Statistics

System: S1 (Local)

System Activity Percent Busy

Common Filters

Job name: Owner:

* *

Apply

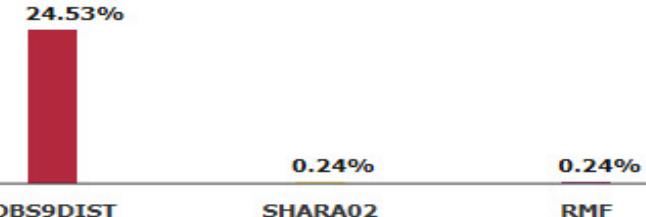
Reset

More +

View text

Table now has all active jobs

Top CPU Percentages



Active Jobs

Common Filter

Actions View

Configure Columns...

Clear Filters

Filter Match

Custom Filters...

Modify Sort...

Clear Sorts

Export Table Data

ProcStep

JobID

STC24397

12d. Click View, and expand to see
Export Table Data > All Data

JOBNAME	ProcStep	JobID
MASTER		
PCAUTH		
RASP		
TRACE	TRACE	STC24397
DUMPSRV	DUMPSRV	DUMPSRV
XCFAS	XCFAS	IEFPROC
GRS	GRS	
SMSPDSE	SMSPDSE	
CONSOLE	CONSOLE	

12e. Click All Data

Advanced

MemLimit:

Pos:

Quiesce:

Server:

Task 12. Export a table

You can save the comma-separated variable (CSV) file or open it with spreadsheet software

Opening Table_Data_2424392680120317822.csv

You have chosen to open:
Table_Data_2424392680120317822.csv
which is: Microsoft Office Excel Comma Separated Values File
from: https://9.56.96.120

What should Firefox do with this file?
 Open with Microsoft Office Excel (default)
 Save File
 Do this automatically for files like this from now on.

OK Cancel

Welcome shara02 Log out IBM

Properties of DBS9DIS

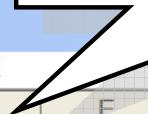
General ASID: ASIDX: JobCorrelate JobID: JOBNAM ProcStep: StepName: SysName: Type: Advanced MemLimit: Pos: Quiesce: Server:

12f. Your workstation for this lab may not have Excel or other spreadsheet software, but the next page in the presentation shows an example. This lab also shows an example of a file opened with Notepad. If you're comfortable doing so and want to see your file, you can click **Save File**, use the resulting dialog to save the file, and then open it with the program of your choice.

Otherwise, click **Cancel** and go on to the next page.

Task 12. Export a table - Example

Here is an example of a file opened in Excel



	A	B	C	D	E	F	G	H	I	J	K	L
1	JOBNAME	StepName	ProcStep	JobID	Owner	C	Pos	DP	Real	Paging	SIO	CPU%
2	*MASTER*			STC24397	+MASTER+		NS	255	4124	0	0	0
3	PCAUTH	PCAUTH					NS	254	177	0	0	0
4	RASP	RASP					NS	255	305	0	0	0
5	TRACE	TRACE					NS	244	1155	0	0	0
6	DUMPSRV	DUMPSRV	DUMPSRV				NS	255	542	0	0	0
7	XCFAS	XCFAS	IEFPROC				NS	255	8655	0	20	0.19
8	GRS	GRS					NS	255	3514	0	0	0
9	SMSPDSE	SMSPDSE					NS	255	2610	0	0	0
10	CONSOLE	CONSOLE					NS	255	4311	0	0	0
11	WLM	WLM	IEFPROC				NS	255	28052	0	0	0.19
12	ANTMAIN	ANTMAIN	IEFPROC				NS	255	1398	0	0	0
13	ANTAS000	ANTAS000	IEFPROC				NS	254	1276	0	0	0
14	DEVMAN	DEVMAN	IEFPROC				NS	255	473	0	0	0
15	VMCF	VMCF	IEFPROC				NS	254	242	0	0	0
16	OMVS	OMVS	OMVS				NS	255	21824	0	0	0
17	HZSPROC	HZSPROC	HZSTEP	STC24420	STCUSR		NS	193	4509	0	0	0
18	IEFSCHAS	IEFSCHAS					NS	255	81	0	0	0
19	JESXCF	JESXCF	IEFPROC				NS	254	688	0	0	0
20	ALLOCAS	ALLOCAS					NS	255	1809	0	0	0
21	SMS	SMS	IEFPROC				NS	254	573	0	0	0
22	IOSAS	IOSAS	IEFPROC				NS	255	1127	0	0	0
23	IXGLOGR	IXGLOGR	IEFPROC				NS	255	2800	0	0	0
24	AXR	AXR	IEFPROC				NS	254	520	0	0	0
25	CEA	CEA	IEFPROC				NS	255	3151	0	0	0
26	RESOLVE	RESOLVE	E7PDEINI				NS	254	705	0	0	0

Task 12. Export a table - Example

Table_Data_1130072726128896

File Edit Format View Help

Here is an example of a file opened in Notepad

```
JOBNAME,StepName,ProcStepID,Owner,C,Pos,DP,Real,Paging,SIO,CPU%,ASID,ASIDX,EXCP-Cnt,ECPU-Time,SR,Status,SysName,SPag,SCPU%,Workload,SrvClass,SP,ResGroup,Server,Quiesce,ECPU-Time,ECPU%,CPUCrit,StorCrit,RptClass,MemLimit,Tran-Act,Tran-Res,Spin,SecLabel,GCP-Time,zAAP-Time,zACP-Time,GCP-Use%,zAAP-Use%,SzAAP%,SzIIP%,Promoted,Type,zAAP-NTime,zIIP-Time,zICP-Time,zIIP-NTime,zIIP-Use%,SLCPU%,IOPrioGrp,JobCorrelator*MASTER*,,,STC24397,+MASTER+,,NS,255,5876,0,0,0,1,1,1210808,106.23,,,S1,0,25,SYSTEM,SYSTEM,1,,NO,,106.23,0,NO,NO,,16383PB,218:19:46.49,218:19:46.49,NO,SYSHIGH,80.08,0,0,0,0,0,NO,STC,0,0,0,0,0,25,NORMAL,PCAUTH,PCAUTH,,,,,NS,254,177,0,0,0,2,2,23,0,,,S1,0,25,SYSTEM,SYSTC,1,,NO,,0,0,NO,NO,,,218:19:48.01,218:19:48.01,,,0,0,0,0,0,0,0,NO,STC,0,0,0,0,0,25,NORMAL,RASP,RASP,,,,,NS,255,303,0,0,0,3,3,2,3.38,,,S1,0,25,SYSTEM,SYSTEM,1,,NO,,3.38,0,NO,NO,,,218:19:48.01,218:19:48.01,,,0,0,0,0,0,0,0,NO,STC,0,0,0,0,0,25,NORMAL,TRACE,TRACE,,,,,NS,244,1155,0,0,0,4,4,46,0,,,S1,0,25,STC,STCMD,1,,NO,,0,0,NO,NO,,72GB,218:19:48.01,218:19:48.01,,,0,0,0,0,0,0,0,NO,STC,0,0,0,0,0,25,NORMAL,DUMPSRV,DUMPSRV,DUMPSRV,,,NS,255,542,0,0,0,5,5,4954,0.05,,,S1,0,25,SYSTEM,SYSTEM,1,,NO,,0.05,0,NO,NO,,16383PB,218:19:35.37,218:19:35.37,,,0.03,0,0,0,0,0,NO,STC,0,0,0,0,0,25,NORMAL,XCFAS,XCFAS,IEFPROC,,,NS,255,8653,0,20,0,6,6,1554169,540.84,,,S1,0,25,SYSTEM,SYSTEM,1,,NO,,540.84,0,NO,NO,,16383PB,218:19:35.36
```

Task 13. Browse a health check

New task

Work with jobs on the held output queue.

13a. Click Overview to return to the Overview page

TSO Messages

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

View text

Abends

Held Output Queue

Actions View

JOBNAME	JobID	
SHARA02	TSU24572	SHARA02
SHARA02	TSU24600	SHARA02
SHARA02	TSU24679	SHARA02
SHARA02	TSU24729	SHARA02

Type to filter properties Edit properties

JobCorrelator:
JobID:
JOBNAME:
ODisp:
OGID1:
OGID2:
O-Grp-N:
Type:

Accounting

Acct:
CrDate:
End-Date:
MC:
Notify:
Programmer-Name:
Rd-Date:
RNum:
St-Date:

Advanced

Total: 4, Selected: 0 < Page 1 of 1 > Rows 100

© Copyright IBM Corporation 2014

Task 13. Browse a health check

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue SAMPJOB (JOB24727) Held Output

Explore the summary data, or choose a task.

System Activity Summary: S1 (Local)

System: S1 (Local)

System Activity Percent Busy

LPAR	25%
MVS/SRM	
Spool	2%

z/OS Health Checks by Exception

None	0
Low	16
Medium	16

eligible checks: 150

13b. Click z/OS Health Checks

Last refresh: Less than 5 seconds ago

View icons

Jobs

- Active Jobs
- All Jobs
- Input Queue
- Output Queue
- Held Output Queue

Health Checks

- z/OS Health Checks

z/OS Commands and Logs

Common Filters

Job name: * Owner: SHARA02 Apply Reset More +

View text

TSO Messages

Task 13. Browse a health check

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs Input Queue

Manage z/OS Health Checks.

z/OS Health Checks Statistics

System: S1 (Local)

View text

z/OS Health Checks

Exception Level	Count
Success	118
Exception None	0
Exception Low	14
Exception Medium	16
Exception High	2

Running checks: 0 Inactive checks: 12

Health Checks

Actions View

NAME	CheckOwner
ALLOC_ALLC_OFFLN_POLICY	IBMALLOC
ALLOC_SPEC_WAIT_POLICY	IBMALLOC
ALLOC_TIOT_SIZE	IBMALLOC
ASM_LOCAL_SLOT_USAGE	IBMASM
ASM_NUMBER_LOCAL_DATASETS	IBMASM
ASM_PAGE_ADD	IBMASM
ASM_PLPA_COMMON_SIZE	IBMASM
ASM_PLPA_COMMON_USAGE	IBMASM
CATALOG_IMBED_REPLICATE	IBMCATALOG

Common Filters

Properties of

Type to filter properties

Edit properties

General

CheckOwner: Global: GlobalSys: NAME: Reason: SevCode: SysLevel: SysName: WTOType:

Advanced

Category: Category10: Category11: Category12:

TSO Messages

User Session Log Health Checks

Messages 0 0 12 | Help

Common and table filters applied

View text

Task 13. Browse a health check

IBM z/OS Management Facility Welcome shara02 Log out IBM

Welcome SDSF (SHARPLEX) TSO Messages

SDSF (SHARPLEX)

Input Queue SAMPJOB (JOB24727) Held Output Queue User Session Log Health Checks ALLOC_ALLC_OFFLN_POLICY

Manage z/OS Health Checks.

z/OS Health Checks Statistics System: S1 (Local) View text

z/OS Health Checks

Success: 118 Exception None: 0 Exception Low: 14 Exception Medium: 16 Exception High: 2

Running checks: 0

13c. Click a check name

Health Checks Actions View

NAME	CheckOwner
ALLOC_ALLC_OFFLN_POLICY	IBMALLOC
ALLOC_SPEC_WAIT_POLICY	IBMALLOC
ALLOC_TIOT_SIZE	IBMASM
ASM_LOCAL_SLOT_USAGE	IBMASM
ASM_NUMBER_LOCAL_DATASETS	IBMASM
ASM_PAGE_ADD	IBMASM
ASM_PLPA_COMMON_SIZE	IBMASM
ASM_PLPA_COMMON_USAGE	IBMASM
CATALOG_IMBED_REPLICATE	IBMCATALOG

Properties are more current than table data. Type to filter properties

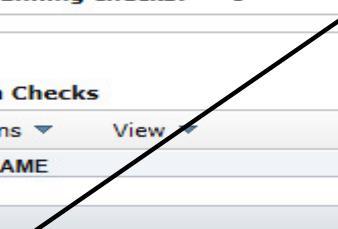
Edit properties

General

- CheckOwner: IBMALLOC
- Global: NO
- GlobalSys:
- NAME: ALLOC_ALLC_OFFLN_POLICY
- Reason: Check ALLC_OFFLN POLICY
- SevCode: 4
- SysLevel: z/OS 02.01.00 HBB7790
- SysName: S1
- WTOType: INFO

Advanced

- Category:
- Category10:



Task 13. Browse a health check

IBM z/OS Management Facility Welcome shara02 Log out IBM.

Welcome SDSF (SHARPLEX)

SDSF (SHARPLEX) SDSF (SHARPLEX)

Input Queue SAMPJOB (JOB24727)

ALLOC_ALLC_OFFLN_POLICY

Check History Browse Selected Browse Check

Health Checks History

COUNT CheckOwner Status

There is no data to display.

Properties of

Type to filter properties

There is no data to display.

13d. Click the **Browse Check** tab

There is currently no history for this check

Total: 0, Selected: 0 < Page 1 of 1 > Rows 100

Refresh Last refresh: More than 5 seconds ago

TSO Messages

C_ALLC_OFFLN_POLICY

Messages 0 1 16 Help

Tabs for different views of the check

Task 13. Browse a health check

The screenshot shows the IBM z/OS Management Facility SDSF (SHARPLEX) interface. The title bar reads "IBM z/OS Management Facility" and "Welcome shara02". The main window is titled "SDSF (SHARPLEX)" and shows a "Browse Check" window for the "ALLOC_ALLC_OFFLN" check. The window contains the following text:

```
CHECK(IBMALLOC,ALLOC_ALLC_OFFLN_POLICY)
SYSPLEX: SHARPLEX SYSTEM: S1
START TIME: 04/07/2014 12:42:09.825357
CHECK DATE: 20100831 CHECK SEVERITY: LOW
CHECK PARM: POLICY(WTOR,CANCEL,WAITNOH)

IEFAH001I Option value CANCEL matches the owner
recommendation of WTOR,CANCEL,WAITNOH

END TIME: 04/07/2014 12:42:09.826637 STATUS: SUCCESSFUL
```

A callout box highlights the "Browse Check" tab in the navigation bar and the text area of the browse window, with the text: "Browse window for the check's output. Searchable and scrollable."

On the right side of the interface, there is a "TSO Messages" panel with a "Find options" section containing a "Find" field and search navigation buttons. A callout box highlights the "Find" field with the text: "Find field".

At the bottom of the interface, there are buttons for "Refresh" and "Last refresh: Less than 5 seconds ago", along with line navigation controls: "Lines: 11", "Lines to move: 2000", "Down", "Up", "Top", and "Bottom".

Want to try more?

- Filters in the table

The screenshot shows the 'Active Jobs' table interface. At the top, there are four filter input fields labeled 'Actions', 'JOBNAME', 'StepName', 'ProcStep', and 'JobID'. Above these fields is a 'Common Filters' section.

For quick filtering, type a value in the input field under the title. These filters take effect after the common filters. Try combining common and table filters.

The screenshot shows the 'All Jobs' table interface. A context menu is open over the first row, listing options: 'Configure Columns...', 'Clear Filters', 'Filter Match', 'Custom Filters...', 'Modify Sort...', 'Clear Sorts', and 'Export Table Data'. The 'Custom Filters...' option is highlighted.

For complex filtering, use **View > Custom Filters**

- Find in Browse

The screenshot shows the 'Browse All' view for job 'SAMPJOB (JOB24727)'. At the top, there are tabs for 'Job Data Sets', 'Browse Selected', 'Browse All' (which is selected), and 'Edit JCL'. Below the tabs, there's a 'Messages' section with a count of 0 and a yellow warning icon. In the center, there's a 'Find options' button and a 'Find' input field containing the word 'error'. At the bottom, there's a summary line: '14.10.20 JOB24727 IEFC452I SAMPJOB - JOB NOT RUN - JCL ERROR 403' and '0----- JES2 JOB STATISTICS -----'.

To limit your search, click Find options

End of this lab

Thank you!

For more information, see:

- z/OSMF website:

<http://ibm.com/systems/z/os/zos/zosmf>

- z/OSMF in the z/OS information center:

<http://pic.dhe.ibm.com/infocenter/zos/v2r1/topic/com.ibm.zos.v2r1.izu/izu.htm>