

TechU

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Technical University



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

**SDSF for z/OSMF**



# Abstract

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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.**

**This lab is running on a z/OSMF V2.3 system.**

# Session objective

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## 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
- View the syslog.

# Session objectives

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## 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

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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, or SHARBnn, or SHARCnn where nn is 01-30
    - Password to be provided

# z/OSMF SDSF Settings

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

- Under z/OSMF Settings

# Task 1. SDSF Settings – Perform these steps



IBM z/OS Management Facility

- Welcome
- Notifications
- Workflow Editor
- Workflows
- ▶ Configuration
- ▶ Consoles
- ▶ Jobs and Resources
- ▶ Links
- ▶ Performance
- ▶ Problem Determination
- ▶ Software
- ▶ z/OS Classic Interfaces
- ▼ z/OSMF Settings
  - FTP Servers
  - Notification Settings
  - **SDSF Settings**
  - Systems

Refresh

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

Welcome x

SDSF Settings x

## SDSF Settings

### Environment Definition

User P

#### TSO logon settings:

\* Logon procedure:

share

Account number:

shr

\* Region size (kilobytes):

100000

User group:

Select or type

#### JES settings:

JES designation:

Force to JES2 subsystem

JES2 name:

Use the JES2 subsystem from lo

Specific JES2 name:

JES3 name:

Use the JES3 subsystem from lo

Use specific JES3 name:

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.

Save

Reset



# Task 1. SDSF Settings



IBM z/OS Management Facility

- Welcome
- Notifications
- Workflow Editor
- Workflows
- ▶ **Configuration**
- ▶ Consoles
- ▶ Jobs and Resources
- ▶ Links
- ▶ Performance
- ▶ Problem Determination
- ▶ Software
- ▶ z/OS Classic Interfaces
- ▼ **z/OSMF Settings**
  - FTP Servers
  - Notification Settings
  - **SDSF Settings**
  - Systems

Refresh

Welcome x

SDSF Settings x

## SDSF Settings

Environment Definition

User Preferences

Diagnostics

### TSO logon settings:

\* Logon procedure:

share

Account number:

\* Region size (kilobytes):

100000

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

### 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:

Save

Reset

## Task 2. Select the SDSF Task

The screenshot shows the IBM z/OS Management Facility interface. On the left is a navigation menu with the following items: 'New task' (highlighted with an orange callout), 'Notifications', 'Workflow Editor', 'Workflows', 'Configuration', 'Consoles', 'Jobs and Resources' (expanded), 'Links', 'Performance', 'Problem Determination', 'Software', 'z/OS Classic Interfaces', and 'z/OSMF Settings' (dashed box). A 'Refresh' button is at the bottom left. An arrow points from 'SDSF' in the 'Jobs and Resources' section to a callout box. The main content area shows a 'Welcome' tab and a 'Welcome to IBM z/OS Management Facility' message. The message text is: 'IBM® z/OS® Management Facility (z/OSMF) provides a framework for managing traditional tasks and automating others, z/OSMF can help to simplify some areas. 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'. A 'ce' label is visible on the right side of the main content area.

New task

- Notifications
- Workflow Editor
- Workflows
- Configuration
- Consoles
- Jobs and Resources
  - SDSF**
- Links
- Performance
- Problem Determination
- Software
- z/OS Classic Interfaces
- z/OSMF Settings

Refresh

Welcome x

### Welcome to IBM z/OS Management Facility

IBM® z/OS® Management Facility (z/OSMF) provides a framework for managing traditional tasks and automating others, z/OSMF can help to simplify some areas.

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](#)

ce

SMF

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

# Task 2. Select the SDSF Task



IBM z/OS Management Facility

- Welcome
- Notifications
- Workflow Editor
- Workflows
- ▶ Configuration
- ▶ Consoles
- ▼ Jobs and Resources
  - **SDSF**
- ▶ Links
- ▶ Performance
- ▶ Problem Determination
- ▶ Software
- ▶ z/OS Classic Interfaces
- ▶ z/OSMF Settings

**Refresh**

Welcome x

**SDSF** x

A pop-up shows the progress of starting the SDSF task

- ✓ 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
- Notifications
- Workflow Editor
- Workflows
- ▶ Configuration
- ▶ Consoles
- ▼ Jobs and Resources
  - **SDSF**
- ▶ Links
- ▶ Performance
- ▶ Problem Determination
- ▶ Software
- ▶ z/OS Classic Interfaces
- ▶ z/OSMF Settings

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

LPAR -1%  
MVS/SRM 7%

None 0  
Low  
Medium  
High

Spool utilization: 23%

Active check

Refresh

Last refresh: More than 1 minute ago

▼ Jobs

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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 shara05

Welcome x SDFS (SHARPLEX) x

TSO Messages

## SDSF (SHARPLEX)

Common Filters

Messages 0 0 1 | Help

### Overview

Explore the summary data, or choose a task.

System Activity Summary: S1 (Local)

System: S1 (Local)

#### System Activity Percent Busy

LPAR	0%
MVS/SRM	0%

Spool utilization: 9%

Refresh Last refresh

#### z/OS Health Checks by Exception

None	0
Low	15
Medium	16
High	3

Active checks:

#### Jobs

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

Summary information in graphical form

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

You will work with some of these sections later

# Explore the Overview Page

The screenshot shows the IBM z/OS Management Facility interface. At the top, there is a header with "IBM z/OS Management Facility", a user name "Welcome shara05", and the IBM logo. Below the header, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The main content area is titled "SDSF (SHARPLEX)" and includes an "Overview" section. A callout box points to the "Overview" section, stating: "Collapse and expand sections – click ▼ or ▶". Another callout box points to the "System Activity Summary: S1 (Local)" section, stating: "Choose text or icon views." This section contains a "System: S1 (Local)" dropdown, a "System Activity Percent Busy" chart, and a "z/OS Health Checks by Exception" bar chart. The bar chart shows: None (0), Low (15), Medium (16), and High (3). Below the bar chart, it shows "Active checks: 0" and "Eligible checks: 163". A "Refresh" button is present, with the text "Last refresh: More than 5 minutes ago". A third callout box points to the "Jobs" section, stating: "Scroll to see more...". The "Jobs" section includes "Active Jobs", "All Jobs", and "Input Queue" with corresponding descriptions. There are also "View text" and "View icons" links in the top right of the health checks section.

IBM z/OS Management Facility

Welcome shara05

IBM

Welcome x SDFS (SHARPLEX) x

SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a t

System Activity Summary: S1 (Local)

System: S1 (Local)

System Activity Percent Busy

LPAR 0%

MVS/SRM 0%

Spool utilization: 9%

Refresh Last refresh: More than 5 minutes ago

z/OS Health Checks by Exception

None	0
Low	15
Medium	16
High	3

Active checks: 0 Eligible checks: 163

Jobs

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

TSO Messages

Common Filters

Messages 0 0 1 | Help

View text

View icons

Collapse and expand sections – click ▼ or ▶

Choose text or icon views.

Scroll to see more...

## Task 3. Set Common Filters

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For the lab, a set of jobs have been submitted to populate the SDSF views. The jobs were submitted with user ID SHARA00. 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 shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

Common Filters

3a. Click the arrow ▶ to expand Common Filters

Messages 0 0 1 | Help

System Activity Summary: S1 (Local)

System: S1 (Local) View text

System Activity Percent Busy		z/OS Health Checks by Exception	
LPAR	0%	None	0
MVS/SRM	0%	Low	15
		Medium	16
		High	3

Spool utilization: 9%

Active checks: 0 Eligible checks: 163

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



# Task 3. Set Common Filters

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

3b. Type new values:  
Job name: \*  
Owner: shara00

Common Filters

Job name: \* Owner: SHARA00

Apply Reset

More +

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

System: S1 (Local)

System Activity Summary: S1 (Local)

LPAR 0%  
MVS/SRM 0%

Pool utilization: 9%

z/OS Health Checks by Exception

Exception Level	Count
Low	15
Medium	16
High	3

Active checks: 0 Eligible checks: 163

Refresh Last refresh: More than 10 minutes 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

# Task 3. Set Common Filters

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

### SDSF (SHARPLEX)

Overview

Explore the summary data, or choose a task

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

Common Filters

Job name: \* Owner: SHARAD0 Apply Reset

System: \* Destinations (1-4): \* Less -

System Activity Percent Busy

LPAR	0%
MVS/SRM	0%

Spool utilization: 9%

Refresh Last refresh: More

z/OS Health Checks by Exception

15
16

checks: 163

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

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

IBM z/OS Management Facility

Welcome shara05

IBM

(SHARPLEX) x

New task

TSO Messages

## SDSF (SHARPLEX)

Common Filters

### Overview

Explore the summary data, or choose a task.

Messages 0 0 1 | Help

#### System Activity Summary: S1 (Local)

System: S1 (Local) View text

#### System Activity Percent Busy

LPAR	0%
MVS/SRM	0%

Spool utilization: 9%

#### z/OS Health Checks by Exception

None	0
Low	15
Medium	16
High	3

Active checks: 0 Eligible checks: 163

Refresh Last refresh: Mon 11/12/2019 10:00:00 AM

#### Jobs

View icons

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

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

# Task 4. View Jobs – Elements

The screenshot displays the IBM z/OS Management Facility SDSF (SHARPLEX) interface. At the top, the title bar reads "IBM z/OS Management Facility" and "Welcome shara05". The main content area is titled "SDSF (SHARPLEX)" and includes tabs for "Overview" and "All Jobs". A section titled "Return Code Counts (10)" features a horizontal stacked bar chart showing the distribution of return codes. A legend on the right identifies the colors: Abends (dark red), JCL Error (purple), CC12/CC16 (light red), CC4/CC8 (yellow), CC0 (green), and Other (orange). Below the chart is a "Scrollable table of jobs" with columns for JOBNAME, JobID, and Owner. The table lists jobs such as HOLDJOB, BR14, COPY1234, and CC04RUN. To the right of the table is a "Collapsible list of properties of a job" showing details under "General" and "Accounting".

Summary information of jobs grouped by return code in graphical form

Scrollable table of jobs

Collapsible list of properties of a job

JOBNAME	JobID	Owner
HOLDJOB	JOB14174	SHARA00
BR14	JOB14173	SHARA00
COPY1234	JOB14175	SHARA00
CC04RUN	JOB14176	SHARA00

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

The screenshot shows the IBM z/OS Management Facility interface. At the top, it says "IBM z/OS Management Facility" and "Welcome shara05". Below that, there's a "New task" callout. The main content area is titled "SDSF (SHARPLEX)" and includes a "Return Code Counts (10)" chart. The chart shows a distribution of return codes: Abends (red), JCL Error (purple), CC12/CC16 (pink), CC4/CC8 (yellow), CC0 (green), and Other (orange). Below the chart is a table of jobs with columns for JOBNAME, JOBID, and SHARA00. A callout points to the "View" dropdown menu, and another callout points to the "Configure Columns..." option in the menu.

IBM z/OS Management Facility

Welcome shara05

IBM

SHARPLEX) x

New task

TSO Messages

SDSF (SHARPLEX)

Common Filters

Overview All Jobs x

Return Code Counts (10)

Common and table filters applied

View text

Abends JCL Error  
CC12/CC16 CC4/CC8  
CC0 Other

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

All Jobs

File Actions View Match: All Filters Type to filter properties

No filter applied

Configure Columns...  
Clear Filters  
Clear Sorts  
Refresh

JOBNAME Filter

HOLDJOB JOB14174

BR14 JOB14173 SHARA00

COPY1234 JOB14175 SHARA00

CC04RUN JOB14176 SHARA00

JobID:  
JOBNAME:  
SysName:  
Type:  
Accounting  
Acct:  
End DateTime:

5a. Click **View** to display a menu

5b. Click **Configure Columns**

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

Welcome x SDSF (SHARPLEX) x

IBM z/OS Management Facility Welcome shara05 IBM.

SDSF (SHARPLEX)

Overview All Jobs x

Return Code Counts (10)

Common and table filters applied

View text

Abends JCL Error  
CC12/CC16 CC4/CC8  
CC0 Other

Configure Columns

Available:

- Acct
- ASID
- ASIDX
- ASys
- C
- Cards
- DelayRsn
- Device

Selected:

- JobID
- Owner
- Prty
- Queue

Additional fixed columns: 0

5c. Scroll to find Max-RC

Cancel Help

JobID: SHARA00  
Owner: SHARA00  
Prty: SHARA00  
Queue: SHARA00

SysName: SHARA00  
Type: SHARA00  
Accounting: SHARA00  
Acct: SHARA00  
End DateTime: SHARA00

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

IBM z/OS Management Facility

Welcome shara05

SDSF (SHARPLEX)

Overview All Jobs

Return Code Counts (10)

Common Filters

TSO Messages

Configure Columns

5d. Click Max-RC

Available:

- JobGroup
- JobGrpID
- JobSet
- Max-RC**
- MC
- Mode
- Notify
- Offs

Selected:

- JobID**
- Owner
- Prty
- Queue

5e. Click Add

Add >

Add All >>

< Remove

<< Remove All

Down

Additional fixed columns: 0

OK Restore Defaults Cancel Help

Common and table filters applied

View text

- Abends
- JCL Error
- CC12/CC16
- CC4/CC8
- CC0
- Other

All Jobs

File

JOB Filter

HO

BR

COPY1234 JOB14175

CC04RUN JOB14176 SHARA00

Type: Accounting

Acct: End Date/Time:

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

IBM z/OS Management Facility

Welcome shara05

SDSF (SHARPLEX)

SDSF (SHARPLEX)

Overview All Jobs

Return Code Counts (10)

Common and table filters applied

View text

Abends JCL Error  
CC12/CC16 CC4/CC8  
CC0 Other

Configure Columns

Available:

- JobGroup
- JobGrpID
- JobSet
- MC
- Mode
- Notify
- Offs
- OrigNode

Selected:

- JobID
- Owner
- PrtY
- Qusub
- Max-RC

Additional fixed columns:

0

Up

Down

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 shara05 ? IBM

Welcome x **SDSF (SHARPLEX)** x

**SDSF (SHARPLEX)** TSO Messages

Common Filters ?

Overview **All Jobs** x

Work with jobs in any phase of processing.

Return Code Counts (10)

0% 10% 20% 30% 40% 50% 60% 70%

CC12/CC16 JCL Error CC4/CC8 CC0 Other

16 | Help

Filters applied

View text

All Jobs Common Filter properties of

File Actions View Match: All Filters

No filter applied

<input type="checkbox"/>	JOBNAME Filter	JobID Filter	Owner Filter	Max-RC Filter
<input type="checkbox"/>	HO			CC 0000
<input type="checkbox"/>	BR			CC 0000
<input type="checkbox"/>	CO			CC 0000

5h. Click **JOBNAME** to sort using that column.

Type to filter properties

General

ASID:  
ASIDX:  
JobCorrelator:  
JobID:  
JOBNAME:  
SysName:  
Type:

Max-RC is now in the table. (You may need to slide the divider between the table and properties to see the column.)

# Task 5. Configure a Table – Sort

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Common Filters

Overview All Jobs x

Work with jobs in any phase of processing.

Messages 0 0 20 | Help

Return Code Counts (10)

Common and table filters applied

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

- Abends
- JCL Error
- CC12/CC16
- CC4/CC8
- CC0
- Other

Job names are now sorted

All Jobs

Common Filters

Properties of

Type to filter properties

Edit properties

General

ASID:  
ASIDX:  
JobCorrelator:  
JobID:  
JOBNAME:  
SysName:  
Type:

JOBNAME Filter	JobID Filter	Owner Filter	Max-RC Filter
ABNDJOB	JOB14181	SHARA00	ABEND SD3
BR14	JOB14173	SHARA00	CC 0000
CC04RUN	JOB14176	SHARA00	CC 0004

# Task 6. Switch to another view

New task

The screenshot displays the IBM OS Management Facility interface for SDSF (SHARPLEX). The 'Overview' tab is selected, showing a bar chart of Return Code Counts (10) and a table of All Jobs. A callout box highlights the 'Overview' tab with the instruction '6a. Click the Overview tab'.

**Return Code Counts (10)**

Common and table filters applied

View text

Messages 0 0 20 | Help

Legend:

- Abends
- JCL Error
- CC12/CC16
- CC4/CC8
- CC0
- Other

**All Jobs**

Common Filters

Properties of

Type to filter properties

Edit properties

**General**

- ASID:
- ASIDX:
- JobCorrelator:
- JobID:
- JOBNAME:
- SysName:
- Type:

JOBNAME Filter	JobID Filter	Owner Filter	Max-RC Filter
<input type="checkbox"/> ABNDJOB	JOB14181	SHARA00	ABEND SD3
<input type="checkbox"/> BR14	JOB14173	SHARA00	CC 0000
<input type="checkbox"/> CC04RUN	JOB14176	SHARA00	CC 0004

# Task 6. Switch to another view

The screenshot displays the IBM z/OS Management Facility interface for the SDSF (SHARPLEX) system. The page is titled "SDSF (SHARPLEX)" and includes a navigation bar with "Welcome" and "shara05". The main content area shows an "Overview" section with a "Common Filters" dropdown and a "TSO Messages" link. Below this is a "System Activity Summary: S1 (Local)" section, which includes a "System:" dropdown set to "S1 (Local)" and a "View text" link. The summary is divided into two main panels: "System Activity Percent Busy" and "z/OS Health Checks by Exception".

**System Activity Percent Busy**

Component	Percentage
LPAR	0%
MVS/SRM	0%

Pool utilization: 9%

**z/OS Health Checks by Exception**

Exception Level	Count
None	0
Low	15
Medium	16
High	3

Active checks: 0 Eligible checks: 163

At the bottom of the page, there is a "Jobs" section with three links: "Active Jobs", "All Jobs", and "Input Queue". A callout box with the text "6b. Click Input Queue" and an arrow points to the "Input Queue" link.

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# Task 6. Switch to another view

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Overview All Jobs x Input Queue x

Each view has its own tab

Work with jobs on the input queue.

Return Code Counts (1)

Common and table filters applied

View text

0% 10% 20% 80% 90% 100%

Other

The view includes a graphic summary, table, and properties.

Input Queue

File Actions

No filter applied

JOBNAME Filter	JobID Filter	Owner Filter	P
<input type="checkbox"/> HOLDJOB	JOB14174	SHARA00	7

General

ASID:  
ASIDX:  
JobCorrelator:  
JobID:  
JOBNAME:  
SysName:  
Type:

# Task 7. Edit and resubmit JCL

New task

The screenshot shows the IBM Management Facility interface. At the top, it says 'Management Facility' and 'Welcome shara05'. The main area is titled 'SDSF (SHARPLEX)' and has tabs for 'Overview', 'All Jobs', and 'Input Queue'. Below the tabs is a 'Return Code Counts (10)' chart. A callout bubble points to the 'All Jobs' tab with the text: 'For this exercise, start by returning to the All Jobs view'. Below the chart is a table of jobs. A callout bubble points to the 'All Jobs' tab with the text: '7a. Click the All Jobs tab'. The table has columns for JOBNAME, JobID, Owner, and Max-RC Filter. The jobs listed are ABNDJOB, BR14, and CC04RUN. To the right of the table is a 'Properties of' panel showing details for the selected job.

JOBNAME	JobID	Owner	Max-RC Filter
ABNDJOB	JOB14181	SHARA00	ABEND SD3
BR14	JOB14173	SHARA00	CC 0000
CC04RUN	JOB14176	SHARA00	CC 0004

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

7a. Click the All Jobs tab

# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Common Filters

Overview All Jobs x Input Queue x

0% 10% 70% 80% 90% 100%

- Abends
- JCL Error
- CC12/CC16
- CC4/CC8
- CC0
- Other

All Jobs

File Actions

No filter applied

<input type="checkbox"/>	JOBNAME Filter	JobID Filter	Owner Filter	Max-RC Filter
<input type="checkbox"/>	ABNDJOB	JOB14181	SHARA00	ABEND SDS
<input type="checkbox"/>	BR14	JOB14173	SHARA00	CC 0000
<input type="checkbox"/>	CC04RUN	JOB14176	SHARA00	CC 0004
<input type="checkbox"/>	CC08RUN	JOB14177	SHARA00	CC 0008

Total: 10 Selected: 0

1 25 | 50 | 100 | 250 +

Refresh Last refresh: More than 5 minutes ago

Properties of

Type to filter properties

Edit properties

General

ASID:  
ASIDX:  
JobCorrelator:  
JobID:  
JOBNAME:  
SysName:  
Type:

Accounting

Acct:  
End-DateTime:  
Notify:

Apply Cancel

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

# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility

Welcome shara05

IBM

Welcome x SDSF (SHARPLEX) x

TSO Messages

### SDSF (SHARPLEX)

Common Filters

Overview All Jobs x Input Queue x

Return Code Counts (10)

Common and table filters applied

View text

0% 100%

- Abends
- JCL Error
- CC12/CC16
- CC4/CC8
- CC0
- Other

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

#### All Jobs

Common Filters Properties of

Type to filter properties

Edit properties

**General**

ASID:  
ASIDX:  
JobCorrelator:  
JobID:  
JOBNAME:  
SysName:  
Type:

**Accounting**

Acct:  
End-DateTime:  
Notify:  
Programmer-Name:

JOBNAME Filter	JobID Filter	Owner Filter	Max-RC Filter
<input type="checkbox"/> CC16RUN	JOB14179		CC 0016
<input type="checkbox"/> CC2000	JOB14180		CC 2000
<input type="checkbox"/> COPY1234	JOB14175	SHARA00	CC 0000
<input type="checkbox"/> HOLDJOB	JOB14174	SHARA00	
<input type="checkbox"/> SAMPJOB	JOB14182	SHARA00	JCL ERROR

This job has a JCL error



# Task 7. Edit and resubmit JCL

The screenshot displays the IBM z/OS Management Facility interface. At the top, there is a navigation bar with 'Welcome', 'shara05', and an IBM logo. Below this, a breadcrumb trail shows 'Welcome' and 'SDSF (SHARPLEX)'. The main content area is titled 'SDSF (SHARPLEX)' and contains several tabs: 'Overview', 'All Jobs', 'Input C...', and 'SAMPJOB (JOB14182)'. A callout box points to these tabs with the text 'Tabs for job data sets, browse and edit JCL'. Under the 'SAMPJOB (JOB14182)' tab, there are sub-tabs for 'Job Data Sets', 'Browse Selected', 'Browse All', and 'Edit JCL'. The 'Job Data Sets' sub-tab is active, showing a table of job data sets. A callout box points to this table with the text 'Table of job data sets'. The table has columns for 'DDNAME', 'StepName', 'ProcStep', and 'D'. The rows are: JESMSG, JES2, 2; JESJCL, JES2, 3; and JESYSMSG, JES2, 4. To the right of the table is a 'Properties of' panel for the selected data set. A callout box points to this panel with the text 'Properties for a selected data set'. The properties panel shows sections for 'General', 'Accounting', and 'Advanced', with fields for DDNAME, DSID, DSName, Address-Line, Building, CrDate-CrTime, Department, Name, Room, Title, AFPParms, and Burst.

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Overview All Jobs x Input C... SAMPJOB (JOB14182) x

SAMPJOB (JOB14182)

Messages 0 0 14 | Help

Job Data Sets Browse Selected Browse All Edit JCL

Job Data Sets

DDNAME	StepName	ProcStep	D
JESMSG	JES2	2	
JESJCL	JES2	3	
JESYSMSG	JES2	4	

Properties of

Type to filter properties

General

Accounting

Advanced

Properties for a selected data set

Table of job data sets

Tabs for job data sets, browse and edit JCL

Total: 3 Selected: 0 1 25 | 50 | 100 | 250 +

# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

### SDSF (SHARPLEX)

Common Filters

Overview All Jobs x Input Queue x SAMPJOB (JOB14182) x

SAMPJOB (JOB14182) Messages 0 0 14 | Help

Job Data Sets Browse Selected Browse All Edit JCL

File	Actions	View	Match	All Filters
No filter applied				
<input type="checkbox"/> DDNAME Filter		StepName Filter		
<input type="checkbox"/> JESMSGLG		JES2		
<input type="checkbox"/> JESJCL		JES2	3	
<input type="checkbox"/> JESYSMSG		JES2	4	

Total: 3 Selected: 0 1 25 | 50 | 100 | 250 +

Properties of

Type to filter properties

Edit properties

Accounting

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

Advanced

- AFPParms:
- Burst:
- Class:

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

# Task 7. Edit and resubmit JCL

The screenshot displays the IBM z/OS Management Facility interface. At the top, the header reads "IBM z/OS Management Facility" with a "Welcome" message for user "shara05". Below the header, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The main content area is titled "SDSF (SHARPLEX)" and contains a scrollable window showing the job log for "JOB (JOB14182)".

Annotations on the screenshot include:

- A callout box pointing to the scrollable job log window with the text: "All of the job's data sets are shown in a scrollable, searchable window".
- A callout box pointing to the "Find" search field with the text: "Find field".
- A callout box pointing to the "JCL ERROR" message in the log with the text: "JCL error".

The job log content is as follows:

```
1 JES2 JOB LOG -- SYSTEM S1 -- NODE N1
0
17.07.58 JOB14182 ---- WEDNESDAY, 30 SEP 2015 ----
17.07.58 JOB14182 IEFC452I SAMPJOB - JOB NOT RUN - JCL ERROR 010
0----- JES2 JOB STATISTICS -----
0 19 CARDS READ
0 29 SYSOUT PRINT
0 0 SYSOUT PUNCH
0 1 SYSOUT SPOOL
0 0.00 MINUTES EXECUTED
1 //SAMPJOB JOB (CLASS=H,SHARE USER*,USER=SHARA00, JOB14182
// CLASS=H,MSGLVL=H,MSGLVL=(1,1)
// *
// * JCL ERROR
// *
2 //GENER EXEC PGM=IEBGENER
3 //SYSPRINT DD SYSOUT=*
// *
// * THE FOLLOWING IS A JCL ERROR (DDD BE DD).
```

At the bottom of the interface, there is a "Refresh" button and a status message: "Last refresh: More than 5 seconds ago". The status bar also shows "Lines: 28", "Lines to move: 2000", and navigation buttons for "Down", "Up", "Top", and "Bottom".

# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility Welcome shara05 ?

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX) Common Filters TSO Messages

Overview All Jobs x Input Queue x **SAMPJOB (JOB14182) x**

SAMPJOB (JOB14182) Messages 0 0 19 | Help

Job Data Sets Browse Selected **Browse All** Edit JCL

**Browse All** Find options

Find  Find Up Down Home End

Actions DSID: 2 Line: 1

```
1 JES2 JOB LOG -- SYSTEM S1 -- NODE N1
0
17.07.58 JOB14182 ---- WEDNESDAY, 30 SEP 2015
17.07.58 JOB14182 IFC452I SAMPJOB - JOB NOT R
0----- JES2 JOB STATISTICS -----
0 19 CARDS READ
0 29 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',USER=SHARA00, JOB14182
// 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).
```

Lines: 28 Lines to move: 2000 Down Up Top Bottom DSID: 4 Line: 2

**Refresh** Last refresh: More than 5 seconds ago

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

# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility

Welcome shara05

SDSF (SHARPLEX)

Overview All Jobs x Input Queue x

SAMPJOB (JOB14182)

Job Data Sets Browse Selected Browse All

Common Filters

TSO Messages

Find

00001 //SAMPJOB JOB (1), 'SHARE USER', USER=SHARA00, JOB14182

00002 // CLASS=A,MSGCLASS=H,MSGLEVEL=(1,1)

00003 /\*\*

00004 /\*\* JCL ERROR

00005 /\*\*

00006 //GENER EXEC PGM=IEBGENER

00007 //SYSPRINT DD SYSOUT=\*

00008 /\*\*

00009 /\*\* THE FOLLOWING IS A JCL E

00010 /\*\* USE THE EDITJCL FUNCTIO

00011 /\*\* RESUBMIT THE JOB

00012 /\*\*

00013 //SYSUT2 DDD SYSOUT=\*

00014 /\*\*

00015 //SYSUT1 DD \*

00016 TEST DATA LINE 1

00017 TEST DATA LINE 2

00018

Lines: 19 Cursor position: Row: 0, Column: 0

Submit Reset

JCL for the Job, in an edit window.  
Remove "USER=SHARA00," !!

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

7g. Click Submit

# Task 7. Edit and resubmit JCL

The screenshot displays the IBM z/OS Management Facility interface. At the top, the title bar reads "IBM z/OS Management Facility" with a "Welcome" message and the user "shara05". Below the title bar, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The main area is titled "SDSF (SHARPLEX)" and contains a JCL editor on the left and a "TSO Messages" pop-up window on the right.

The JCL editor shows the following code:

```
00001 //SAMPJOB
00002 //
00003 /**
00004 /** JCL
00005 /**
00006 //GENER
00007 //SYSPRI
00008 /**
00009 /** THE
00010 /** USE
00011 /** RES
00012 /**
00013 //SYSUT2
00014 /**
00015 //SYSUT1
00016 TEST DAT
00017 TEST DATA LINE 2
00018
```

The "TSO Messages - ASID: 0x99" pop-up window displays the following information:

```
-----
* SAMPJOB VOLUMES.
-----
READY
jobname: SAMPJOB
jobid: JOB14207
status: INPUT
job-correlator: J0014207N1.....CFA113BA.....:
class: A
type: JOB
owner: SHARA05
phase-name: Job is
subsystem: JES2
phase: 130
url: https://mvsl.centers.ihost.com:443/zosmf/restjobs/jobs/J001420
files-url: https://mvsl.centers.ihost.com:443/zosmf/restjobs/jobs/J
```

A callout box with the text "7h. Click Close" points to a "Close" button at the bottom left of the TSO Messages window. Another callout box with the text "TSO messages are displayed in a pop-up" points to the TSO Messages window itself.

At the bottom of the JCL editor, there are "Submit" and "Reset" buttons. The status bar at the bottom indicates "Lines: 19" and "Cursor position: Row: 1, Column: 48".

# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

SDSF (SHARPLEX)

Common Filters

Overview All Jobs x Input Queue x SAMPJOB (JOB14182) x

SAMPJOB (JOB14182)

Messages 0 0 21 | Help

Job Data Sets Browse Selected Browse All Edit JCL

Edit JCL

```
00001 //SAMPJOB JOB (1), 'SHARE USER
00002 // CLASS=A,MSGCLASS=H,MSG
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
```

Lines: 19 Cursor position: Row: 1, Column: 48

Submit Reset

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

You might have click on Refresh if you don't see it.

# Task 7. Edit and resubmit JCL

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

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

The screenshot displays the IBM z/OS Management Center interface. At the top, the title bar shows 'Welcome shara05'. Below the title bar, there's a 'Filters' section with 'Job name:' and 'Owner:' dropdown menus. The 'Owner' dropdown is currently set to 'SHARA05'. There are 'Apply' and 'Reset' buttons. Below the filters is a horizontal bar chart showing job status distribution: Abends (red), JCL Error (purple), CC12/CC16 (pink), CC4/CC8 (yellow), CC0 (green), and Other (orange). The 'All Jobs' table lists several jobs, with 'SAMPJOB' selected. The 'Properties of SAMPJOB' panel is expanded, showing details like ASID, JobCorrelator, JobID, JOBNAME, SysName, and Type.

IBM z/OS Management Center

Welcome shara05

TSO Messages

Filters

Job name: Owner: SHARA05

Apply Reset

More +

Abends JCL Error CC12/CC16 CC4/CC8 CC0 Other

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

All Jobs

File Actions

No filter applied

JOBNAME Filter

CC16RUN

CC2000

COPY1234

HOLDJOB

SAMPJOB

JOB14182 SHARA00 JCL ERROR

Common Filters

Max-RC Filter

CC 0016

CC 2000

CC 0000

Properties of SAMPJOB

Type to filter properties

Properties are more current than table data.

Edit properties

General

ASID:

ASIDX:

JobCorrelator:

JobID: JOB14182

JOBNAME: SAMPJOB

SysName:

Type: JOB

Accounting

Acct: 1

End-DateTime: N/A

Notice:



# Task 7. Edit and resubmit JCL

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPL) The view is refreshed with jobs that you own

SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB

Common Filters

Job name: \* Owner: SHARA05 Apply Reset

Return Code Counts (12)

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

- Abends
- CC0
- Other

All Jobs

File All Filters Cor

Here's SAMPJOB

JOBNAME Filter	JobID Filter	Owner Filter	Max-5 Filter
<input type="checkbox"/> SAMPJOB	JOB14207	SHARA05	CC 0000
<input type="checkbox"/> SHARA05	TSU14200	SHARA05	
<input type="checkbox"/> SHARA05	TSU13609	SHARA05	ABEND S22:
<input type="checkbox"/> SHARA05	TSU13618	SHARA05	CC 0000
<input type="checkbox"/> SHARA05	TSU13623	SHARA05	CC 0000

Better result!

General

- ASID:
- ASIDX:
- JobCorrelator:
- JobID:
- JOBNAME:
- SysName:
- Type:

Accounting

- Acct:
- End-DateTime:
- Notify:
- Programmer-Name:

# Task 8. Modify a property of a job

New task

## SDSF (SHARPLEX)

Overview

All Jobs x

Input Queue x

SAMPJOB

TSO Messages

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

Common Filters

Job name:

Owner:

\*

SHARA05

Apply

Reset

More +

Abends  
CC0  
Other

60% 70% 80% 90% 100%

All Jobs

Common Filters

Properties of

Type to filter properties

Edit properties

General

ASID:  
ASIDX:  
JobCorrelator:  
JobID:  
JOBNAME:  
SysName:  
Type:




Accounting

Acct:  
End-DateTime:  
Notify:  
Programmer-Name:

No filter applied

JOBNAME Filter	JobID Filter	Owner Filter	Max-RC Filter
<input type="checkbox"/> SAMPJOB	JOB14207	SHARA05	CC 0000
<input type="checkbox"/> SHARA05	TSU14200	SHARA05	
<input type="checkbox"/> SHARA05	TSU13609	SHARA05	ABEND S22:
<input type="checkbox"/> SHARA05	TSU13618	SHARA05	CC 0000
<input type="checkbox"/> SHARA05	TSU13623	SHARA05	CC 0000

# Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara05   


Welcome x SDSF (SHARPLEX) x

## SDSF (SHARPLEX)

[TSO Messages](#)

**Overview** [All Jobs](#) x [Input Queue](#) x [SAMPJOB](#)

System Activity Summary: S1 (Local)

System: S1 (Local) 

### System Activity Percent Busy

LPAR	0%
MVS/SRM	0%

Pool utilization: 9%

### z/OS Health Checks by Exception






None	0
Low	16
Medium	16
High	3

Active checks: 0 Eligible checks: 163

[Refresh](#) Last refresh: Less than 5 seconds ago

[View icons](#)

### Jobs

 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

8b. Click Held Output Queue

# Task 8. Modify a property of a job

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

## SDSF (SHARPLEX)

Overview All Jobs x

Work with jobs on the held output queue.

Owner: SHARA05 Apply Reset More +

### Return Code Counts (11)

Return Code	Percentage
Abends	65%
CCB	35%

View text

Abends CCB

### Held Output Queue

Common Filters Properties of

File Actions View

No filter applied

JOBNAME	JobID	Owner
<input type="checkbox"/> SAMPJOB	JOB14207	SHARA05
<input type="checkbox"/> SHARA05	TSU13609	SHARA05
<input type="checkbox"/> SHARA05	TSU13618	SHARA05
<input type="checkbox"/> SHARA05	TSU13623	SHARA05
<input type="checkbox"/> SHARA05	TSU13636	SHARA05

Type to filter properties

Edit properties

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

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

# Task 8. Modify a property of a job

The screenshot displays the IBM z/OS Management Facility interface. At the top, the title bar reads "IBM z/OS Management Facility" with a "Welcome" message and a user profile "shara05". Below the title bar, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The main content area is titled "SDSF (SHARPLEX)" and includes a navigation bar with "Overview", "All Jobs", "Input Queue", and "SAMPJOB". A "Common Filters" section contains dropdown menus for "Job name:" and "Owner:" (set to "SHARA05"), along with "Apply" and "Reset" buttons. Below the filters is a "Return Code Counts (11)" bar chart showing a red bar at approximately 65% and a green bar at approximately 70%. A "Held Output Queue" table lists jobs, with "SAMPJOB" selected. A "Properties of SAMPJOB" panel is open, showing a "General" section with fields for "JobCorrelator:", "JobID:", "JOBNAME:", "O-Grp-N:", "ODisp:", "OGID1:", "OGID2:", and "Type:". Callout boxes provide instructions: "Properties are in groups, which you can expand and collapse" points to the expand/collapse icons; "You can collapse the whole properties section by clicking here" points to the collapse icon; and "Properties for the job are now shown" points to the "Properties of SAMPJOB" panel.

IBM z/OS Management Facility

Welcome shara05

Welcome x SDFS (SHARPLEX) x

SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB

Work with jobs on the held output queue.

Return Code Counts (11)

Common Filters

Job name: Owner: SHARA05 Apply Reset

More +

Properties for the job are now shown

Properties are in groups, which you can expand and collapse

You can collapse the whole properties section by clicking here

Properties of SAMPJOB

Properties are more current than table data.

Type to filter properties

Edit properties

General

JobCorrelator: JobID: JOB14207

JOBNAME: SAMPJOB

O-Grp-N: 1

ODisp: HOLD

OGID1: 1

OGID2: 1

Type: JOB

# Task 8. Modify a property of a job

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

## SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB

Work with jobs on the held output queue.

Return Code Counts (11)

Abends  
CCO

8d. Click Edit properties

### Held Output Queue

File Actions View Match: All Filters

No filter applied

JOBNAME Filter	JobID Filter	Owner Filter
<input checked="" type="checkbox"/> SAMPJOB	JOB14207	SHARA05
<input type="checkbox"/> SHARA05	TSU13609	SHARA05
<input type="checkbox"/> SHARA05	TSU13618	SHARA05
<input type="checkbox"/> SHARA05	TSU13623	SHARA05
<input type="checkbox"/> SHARA05	TSU13636	SHARA05

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

Edit properties

#### General

JobCorrelator:  
JobID: JOB14207  
JOBNAME: SAMPJOB  
O-Grp-N: 1  
ODisp: HOLD  
OGID1: 1  
OGID2: 1  
Time: JOB

# Task 8. Modify a property of a job

IBM z/OS Management Facility Welcome shara05 ? IBM

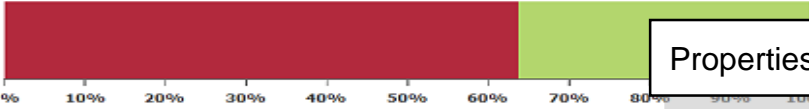
Welcome x SDSF (SHARPLEX) x TSO Messages

### SDSF (SHARPLEX)

Overview All Jobs x Input Queue x **SAMPJOB**

Work with jobs on the held output queue.

Return Code Counts (11) View text



Common Filters

Job name: \* Owner: SHARA05 Apply Reset More +

#### Held Output Queue

Common Filters **Edit Properties of SAMPJOB**

File Act No filter

JOBNAME Filter

- SAMPJOB
- SHARA05
- SHARA05
- SHARA05
- SHARA05

<input type="checkbox"/>	SHARA05	TSU13518	SHARA05
<input type="checkbox"/>	SHARA05	TSU13623	SHARA05
<input type="checkbox"/>	SHARA05	TSU13636	SHARA05

Properties are more current than table data.

Type to filter properties

Edit properties

**General**

Job Correlator:   
JobID: JOB14207   
JOBNAME: SAMPJOB   
O-Grp-N: 1   
ODisp:    
OGID1: 1   
OGID2: 1   
Type: JOB

Properties are now editable

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

# Task 8. Modify a property of a job

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

### SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB

Common Filters

Job name: \* Owner: SHARA05 Apply Reset More +

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

### Held Output Queue

Common Filters

File Actions View Match: All Filters

No filter applied

JOBNAME Filter	JobID Filter	Owner Filter
<input checked="" type="checkbox"/> SAMPJOB	JOB14207	SHARA05
<input type="checkbox"/> SHARA05		
<input type="checkbox"/> SHARA05		
<input type="checkbox"/> SHARA05		
<input type="checkbox"/> SHARA05		
<input type="checkbox"/> SHARA05	TSU13636	SHARA05

Total: 11 Selected: 1 1 25 | 50 | 100 | 250 +

Refresh Last refresh: More than 10 minutes ago

### Edit Properties of SAMPJOB

Properties are more current than table data.

Type to filter properties

Scheduling

C: H

JP: 1

Prt: 145

Security

Owner: SHARA05

SecLabel: SHARUSER

SubGroup: SHARUSER

Status

Max-RC: CC 0000

Status:

Apply Cancel

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



# Task 8. Modify a property of a job

The screenshot displays the IBM z/OS Management Facility interface. At the top, the title bar reads "IBM z/OS Management Facility" with a "Welcome" message and the user ID "shara05". Below the title bar, there are tabs for "Welcome" and "SDSF (SHARPLEX)".

The main content area is titled "SDSF (SHARPLEX)" and contains several sections:

- Overview:** Includes tabs for "All Jobs", "Input Queue", and "SAMPJOB".
- Progress Bar:** A horizontal bar showing progress from 0% to 100%.
- Common Filters:** A panel with "Job name:" and "Owner:" dropdown menus. The "Owner" dropdown is set to "SHARA05". There are "Apply" and "Reset" buttons, and a "More +" link.
- Held Output Queue:** A table listing jobs with columns for "JOBNAME", "JobID", and "Owner". The "SAMPJOB" job is selected.
- Properties of SAMPJOB:** A panel showing various job properties such as "Scheduling", "Security", and "Status".

Two callout boxes provide instructions:

- 8g. If the Apply button is not visible, scroll (using the outermost scroll bar)**: An arrow points from this box to the right side of the "Properties of SAMPJOB" panel, indicating that the "Apply" button is located there but is currently off-screen.
- 8h. Click Apply**: An arrow points from this box to the "Apply" button at the bottom of the "Properties of SAMPJOB" panel.

At the bottom of the interface, there is a "Refresh" button and a message: "Last refresh: More than 10 minutes ago".

# Task 8. Modify a property of a job

IBM z/OS Management Facility

Welcome shara05

IBM

Welcome x SDSF (SHARPLEX) x

TSO Messages

## SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB (

Work with jobs on the held output queue.

Return Code Counts (11)

Common Filters

Job name: \* Owner: SHARA05

Apply Reset

More +

View text

Abends  
CC0

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

Held C Prty value has changed

Common Filters Properties of

Type to filter properties

SysID:  
Tot-Page:  
Tot-Rec:

Scheduling

C:   
JP:   
Prty:

Security

Owner:  
SecLabel:  
SubGroup:

JOBNAME	Owner	Prty
SAMPJOB	SHARA05	145
SHARA05	SHARA05	144
SHARA05	SHARA05	144
SHARA05	SHARA05	144
SHARA05	SHARA05	144

# Task 9. View the user session log

IBM z/OS Management Facility

Welcome shara05

SHARPLEX) x

New task

SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB (

Work with jobs on the held output queue.

Return Code Counts (11)

Common Filters

Job name: \* Owner: SHARA05 Apply Reset

More +

View text

Abends  
CC0

0% 80% 90% 100%

9a. Return to the Overview page

Held Output C of

File Actions View Match: All Filters Type to filter properties

No filter applied

JOBNAME Filter	Owner Filter	Prty Filter
SAMPJOB	SHARA05	145
SHARA05	SHARA05	144
SHARA05	SHARA05	144
SHARA05	SHARA05	144
SHARA05	SHARA05	144

SysID:  
Tot-Page:  
Tot-Rec:

Scheduling

C: JP: Prty:

Security

Owner:  
SecLabel:  
SubGroup:

# Task 9. View the user session log

Welcome x

SDSF (SHARPLEX) x

## SDSF (SHARPLEX)


Common Filters

### Overview

All Jobs x

Held Output Queue x

SAMPJOB (JOB13698) x

 [Link Pack Datasets](#) Work with link pack datasets


 [Parmlib Datasets](#) Work with parmlib datasets

### Network

 [Network Activity](#) Work with network activity

### Devices

 [Device Activity](#) Work with disk device activity

 [SMS Storage Groups](#) Work with system managed storage groups

### z/OS Commands and Logs

System command line: S1 (Local)

Select or type (maximum 126 characters)

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

 [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 shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

Common Filters

Log for your session

SAMPJOB (JOB14207) x Held Output Queue x User Session Log x

Notes | Messages 0 10 | Help

### User Session Log (SHARA05)

Actions

S1	2015274	09:51:39.37	ISF0312 CONSOLE SHARA05 ACTIVATED
S1	2015274	09:53:18.40	-\$TOJ(14207),OUTGRP=1.1.1,P=145
S1	2015274	09:53:18.40	JOB14207 \$HASP686 OUTPUT (SAMPJOB)
			\$HASP686 OUTPUT (SAMPJOB) OUTGRP=1.1.1,BURST=NO,FCB=****,
			\$HASP686 FLASH=****,FORMS=STD,HOLD=(NONE),
			\$HASP686 OUTDISP=HOLD,PRIORITY=145,
			\$HASP686 PRMODE=LINE,QUEUE=H,
			\$HASP686 RECORDS=(60 OF 60),ROUTECD=LOCAL,
			\$HASP686 SECLABEL=,TFJOBID=,TFJOBN=,
			\$HASP686 TSOAVAIL=YES,UCS=****,USERID=SHARA05,
			\$HASP686 WRITER=

Messages issued in response

JES2 command that was generated when you changed the Prty value

Line: 1

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

# Task 10. System command

New task

Welcome x SDSF (SHARPLEX) x

TSO Messages

Common Filters

Overview All Jobs x Input Queue x SAMPJOB (JOB14207) x Held Output Queue x User Session Log x

Notes | Messages 0 0 10 | Help

### User Session Log (SHARA05)

Find options

Find

Line: 1

```
ISF031I CONSOLE SHARA05 ACTIVATED
-$TOJ(14207),OUTGRP=1.1.1,P=146
$HASP686 OUTPUT(SAMPJOB)
$HASP686 OUTPUT(SAMPJOB)   OUTGRP=1.1.1,BURST=NO,PCB=****,
$HASP686                   FLASH=****,FORMS=STD,HOLD=(NONE),
$HASP686                   OUTDISP=HOLD,PRIORITY=146,
$HASP686                   PRMODE=LINE,QUEUE=H,
$HASP686                   RECORDS=(60 OF 60),ROUTECD=LOCAL,
$HASP686                   SECLABEL=TPJOB,SPRINT=NO,
$HASP686                   TSO=NO,USER=SHARA05,
$HASP686                   V=6
```

Lines to move Up Line: 11

z/OS System Commands

\*System command line: S1 (Local)

d a

Submit

Help with command syntax

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

# Task 10. System command

Welcome x SDSF (SHARPLEX) x

TSO Messages

SDSF (SHARPLEX) > Common Filters ?

Overview All Jobs x Input Queue x SAMPJOB (JOB14207) x Held Output Queue x User Session Log x

Notes | Messages 0 0 10 | Help

### User Session Log (SHARA05)

Find options

Find

Actions Line: 1

S1	2015274	09:51:39.37	ISF0311 CONSOLE SHARA05 ACTIVATED
S1	2015274	09:53:18.40	-\$TOJ (14207), OUTGRP=1.1.1, P=146
S1	2015274	09:53:18.40	JOB14207 \$HASP686 OUTPUT (SAMPJOB)
			\$HASP686 OUTPUT (SAMPJOB) OUTGRP=1.1.1, BURST=NO, PCB=****,
			\$HASP686 FLASH=****, FORMS=STD, HOLD=(NONE),
			\$HASP686 OUTDISP=HOLD, PRIORITY=146,
			\$HASP686 PRMODE=LINE, QUEUE=H,
			\$HASP686 RECORDS=(60 OF 60), ROUTECDE=LOCAL,
			\$HASP686 SECLABEL=, TPJOBID=, TPJOB=,
			\$HASP686 TSOAVAIL=YES, UCS=****, USERID=SHARA05,
			\$HASP686

Lines to move: Line: 11

z/OS System Commands

\*System command line: S1 (Local)

d a

Submit

Help with command syntax...

10c. Click the **Help with command syntax** link

# Task 10. System command

The screenshot shows the IBM Knowledge Center interface. At the top, the IBM logo and 'IBM Knowledge Center' are visible on the left, and 'English' is on the right. A search bar contains the text 'Enter search terms'. Below the search bar, a navigation menu on the left includes 'Table of Contents' and 'z/OS Management Facility Z2.0'. The main content area shows search results for 'Jobs and Resources > SD command syntax'. A 'Help with' section is highlighted, showing a 'Command: d a' and a 'Help with command link for a command'. A table lists several commands with their topics and associated books. A callout box points to the 'Help with' section, and a speech bubble points to the search results.

Jobs and Resources > SD command syntax

**Help with**

Command: d a

Help with command link for a command

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

Command	Topic	Book
<a href="#">DISPLAY A</a>	Displaying system activity	<a href="#">z/OS MVS System Commands</a>
<a href="#">DISPLAY ALLOC.GRPLOCKS</a>	Displaying MVS device allocation group locks information	<a href="#">z/OS MVS System Commands</a>
<a href="#">DISPLAY ALLOC.IGDEINFO</a>	Displaying MVS device allocation IGDE information	<a href="#">z/OS MVS System Commands</a>
<a href="#">DISPLAY ALLOC.OPTIONS</a>	Displaying MVS device allocation settings information	<a href="#">z/OS MVS System Commands</a>
<a href="#">DISPLAY APPC</a>	Displaying APPC/MVS information	<a href="#">z/OS MVS System Commands</a>

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

Search Results





# Task 11. Purge a job's output

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Common Filters

Overview All Jobs x Input Queue x SAMPJOB (JOB14207) x Held Output Queue x User Session Log x

0% 10% 20%

Abends  
CCE

Held Output Queue

File Actions View

More Actions...

JOBNAME	Prty	C
SAMPJOB	5	145
SHARA05	5	144
SHARA05	5	144
SHARA05	5	144

Total: 7 Selected: 1

Refresh Last refresh: More than 55 minutes ago

Status Max-RC: CC 0000

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

The screenshot shows the IBM z/OS Management Facility interface. At the top, there is a header with 'Welcome shara05' and the IBM logo. Below the header, there are tabs for 'Welcome x' and 'SDSF (SHARPLEX) x'. The main content area displays 'SAMPJOB (JOB14207)' and 'Held Output Queue x'. A dialog box titled 'Select a category and an action' is open, showing a list of categories and actions. The 'All' category is selected, and the 'Purge Output' action is highlighted. A callout box points to the 'Purge Output' action with the text '11d. Click Purge Output'. Another callout box points to the 'OK' button with the text '11e. Click OK'. A third callout box points to the dialog box with the text 'You can list all actions, or just those in a category'. The background interface includes a 'Held Output Queue' table with columns for 'JOBNAME Filter', 'JOBNAME', and 'STATUS'. The table shows 7 selected jobs, with 'SAMPJOB' being the first one. The status of 'SAMPJOB' is 'Held Output Queue'. The table also shows 'SHARA05' as the user and 'CC 0000' as the command code. The bottom of the interface has a 'Refresh' button and a 'Last refresh: More than 55 minutes ago' message.

Welcome x SDSF (SHARPLEX) x

Welcome shara05 IBM

TSO Messages

Common Filters

SAMPJOB (JOB14207) x Held Output Queue x User Session Log x

Select a category and an action

Categories

- All
- Display
- Job Output Data Sets
- Release

Actions

- Browse All Job Data Sets
- Display Job Data Sets
- Display Output Status Short Form
- Display Output Status Long Form
- Edit JCL
- Held Output
- Purge Output
- Release Output
- Release Output to Print and Purge
- Release Output to Print and Keep

11d. Click Purge Output

11e. Click OK

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

OK Cancel

Total: 7 Selected: 1

Refresh Last refresh: More than 55 minutes ago

SHARUSER

CC 0000

# Task 11. Purge a job's output

The screenshot displays the IBM z/OS Management Facility interface. At the top, the title bar reads "IBM z/OS Management Facility" and "Welcome shara05". Below this, the main header shows "SDSF (SHARPLEX)" and "Common Filters". The navigation bar includes "Overview", "All Jobs", "Input Queue", "SAMPJOB (JOB14207)", "Held Output Queue", and "User Session Log".

A progress bar at the top of the main content area shows a red segment (Abends) at approximately 70% and a green segment (CCB) at approximately 30%. Below this, the "Held Output Queue" section is visible, containing a table with columns for JOBNAME, Filter, and other details. The table lists several entries for "SAMPJOB" and "SHARA05".

A "Confirm Action" dialog box is overlaid on the interface, asking: "You are about to perform action Purge Output. Do you want to continue?". The dialog has "OK" and "Cancel" buttons. A callout box points to the "OK" button with the text "11f. Click OK to confirm".

JOBNAME	Filter	...
<input checked="" type="checkbox"/>	SAMPJOB	
<input type="checkbox"/>	SHARA05	5   144
<input type="checkbox"/>	SHARA05	5   144
<input type="checkbox"/>	SHARA05	5   144

# Task 11. Purge a job's output

IBM z/OS Management Facility Welcome shara05 ? ? IBM.

Welcome x SDSF (SHARPLEX) x

TSO Messages

## SDSF (SHARPLEX)

Common Filters

Overview All Jobs x Input Queue x SAMPJOB (JOB14207) x **Held Output Queue** x User Session Log x

Work with jobs on the held output queue. Messages 0 0 23 | Help

Return Code Counts (6) Common and table filters applied [View text](#)

Return Code	Count
Abends	~85
CCO	~15

**Held Output Queue** Common Filters Properties of

File Actions Type to filter properties

No filter applied

**SAMPJOB has been purged**

JOBNAME	Filter	Filter
<input type="checkbox"/> SHARA05	5	144 H
<input type="checkbox"/> SHARA05	5	144 H
<input type="checkbox"/> SHARA05	5	144 H
<input type="checkbox"/> SHARA05	5	144 H
<input type="checkbox"/> SHARA05	5	144 H

SysID:  
Tot-Page:  
Tot-Rec:

**Scheduling**

C:   
JP:   
Prty:

**Security**

Owner:  
SecLabel:  
SubGroup:

# 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

Management Facility

Welcome shara05

IBM

SHARPLEX)

### SDSF (SHARPLEX)

Overview All Jobs x Input Queue x SAMPJOB (JOB

Work with jobs on the held output queue.

Return Code Counts (6)

0% 10% 60% 70% 80% 90% 100%

Abends  
CCO

Held Output Queue Common Filters Properties of

File Actions View Match: All Filters

No filter applied

JOBNAME	Prty	C
SHARA05	5	H
SHARA05	5	H
SHARA05	5	H
SHARA05	5	H
SHARA05	5	H

SysID:  
Tot-Page:  
Tot-Rec:

Scheduling

C:  
JP:  
Prty:

Security

Owner:  
SecLabel:  
SubGroup:

# Task 12. Export a table

The screenshot displays the IBM z/OS Management Facility interface. At the top, the header reads "IBM z/OS Management Facility" with a "Welcome" message and the user "shara05". Below the header, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The main content area is titled "SDSF (SHARPLEX)" and includes a "Common Filters" section. The "Overview" tab is active, showing a summary of system activity for "S1 (Local)".

System:  [View text](#)

**System Activity Percent Busy**

Component	Percentage
LPAR	0%
MVS/SRM	0%

Spool utilization: 9%

**z/OS Health Checks by Exception**

Exception Level	Count
None	0
Low	16
Medium	16
High	3

Checks: 0 Eligible checks: 163

[Refresh](#) Last refresh: More than 5 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

A callout box with a light blue background and black border contains the text "12b. Click Active Jobs". A black arrow points from this box to the "Active Jobs" link in the Jobs list.

# Task 12. Export a table

The screenshot shows the IBM z/OS Management Facility interface. At the top, there's a navigation bar with "Welcome", "shara05", and the IBM logo. Below that, there are tabs for "Welcome" and "SDSF (SHARPLEX)". The main content area is titled "SDSF (SHARPLEX)" and contains several panels:

- Common Filters:** A dropdown menu showing "Common Filters".
- Active Jobs:** A panel with a table of active jobs. A callout box points to this panel, stating: "The Active Jobs view includes a graphic summary, table and properties".
- Properties of:** A panel showing the properties of the selected job. A callout box points to this panel, stating: "12c. Change the Owner to \* and click **Apply** (to get more table data)".

The "Active Jobs" table has the following data:

JOBNAME	StepName	ProcStep	Job
SHARA05	SHARE	IZUTSOAP	TS

The "Properties of" panel shows the following details:

- ASID:
- ASIDX:
- JobCorrelator:
- JobID:
- JOBNAME:
- ProcStep:



# Task 12. Export a table

The screenshot displays the IBM z/OS Management Facility interface. At the top, the title bar reads "IBM z/OS Management Facility" with a "Welcome" message and a user profile "shara05". Below this, the main window title is "SDSF (SHARPLEX)".

On the left, there are tabs for "Welcome" and "SDSF (SHARPLEX)". Under "SDSF (SHARPLEX)", there are sub-tabs for "Input Queue" (containing "SAMPJOB (JOB14207)"), "Held O", and "Active Jobs Statistics". The "Active Jobs Statistics" section shows "System: S1 (Local)".

In the center, there is a "Common Filters" section with "Job name:" and "Owner:" dropdown menus, and "Apply" and "Reset" buttons. Below this is a "Top CPU Percentages" section with a bar chart showing two bars at 26% and 25%. A callout box points to this chart with the text "12d. Click File, and expand to see **Export All Data**".

At the bottom, the "Active Jobs" table is visible. It has a menu bar with "File", "Actions", and "View". The "File" menu is expanded, showing "Export Current View" and "Export All Data". A callout box points to "Export All Data" with the text "12e. Click **Export All Data**".

The "Active Jobs" table has columns for "JobName Filter", "StepName Filter", and "ProcStep Filter". The first row is highlighted with a yellow background and contains the job name "\*MASTER\*", a green status icon, and "PC".

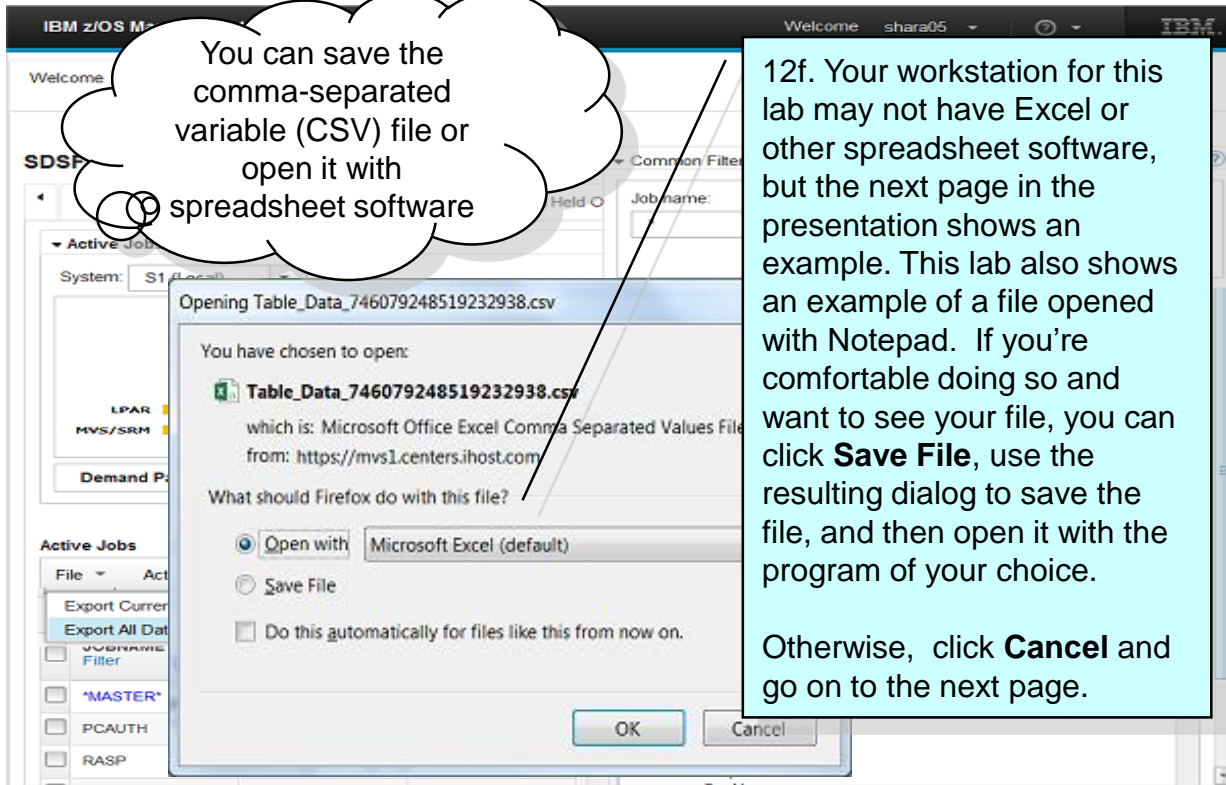
On the right side, there is a "Properties of" section with a search bar "Type to filter properties" and a "General" tab. The "General" tab shows fields for "ASID:", "ASIDX:", "Correlator:", "ID:", "BNAME:", "CStep:", and "pName:".

# Task 12. Export a table

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

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

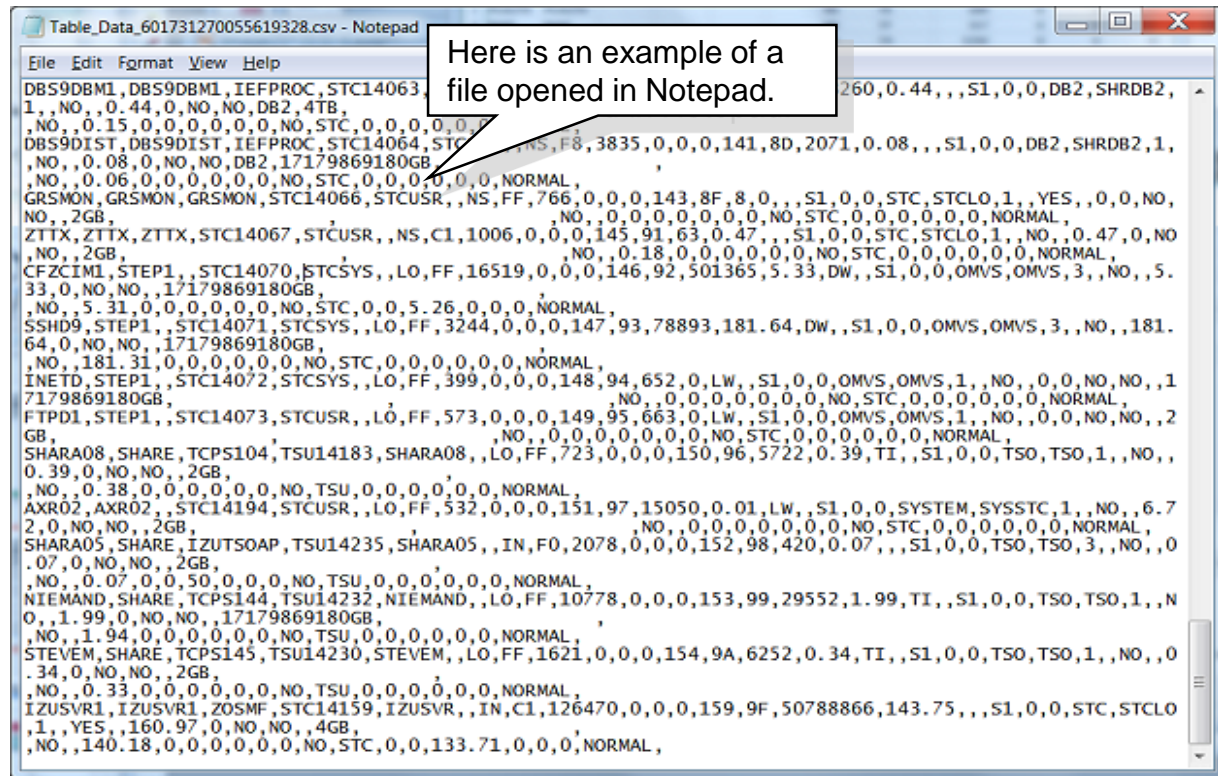
Here is an example of a file opened in Excel.

	A	B	C	D	E	F	G	H	I	J	K	L
1	JOBNAME	StepName	ProcStep	JobID			Pos	DP	Real	Paging	SIO	CPU%
2	*MASTER*			STC13982	+MASTER+		NS	FF	2833	0	0	0
3	PCAUTH	PCAUTH					NS	FE	169	0	0	0
4	RASP	RASP					NS	FF	317	0	0	0
5	TRACE	TRACE					NS	F4	1156	0	0	0
6	DUMPSRV	DUMPSRV	DUMPSRV				NS	FF	566	0	0	0
7	XCFAS	XCFAS	IEFPROC				NS	FF	3273	0	0	0
8	GRS	GRS					NS	FF	3512	0	0	0
9	SMSPDSE	SMSPDSE					NS	FF	2648	0	0	0
10	CONSOLE	CONSOLE					NS	FF	2545	0	0	0
11	WLM	WLM	IEFPROC				NS	FF	28823	0	0	0
12	ANTMAIN	ANTMAIN	IEFPROC				NS	FF	1412	0	0	0
13	ANTAS000	ANTAS000	IEFPROC				NS	FE	1289	0	0	0
14	DEVMAN	DEVMAN	IEFPROC				NS	FF	464	0	0	0
15	OMVS	OMVS	OMVS				NS	FF	14200	0	0	0
16	PCIE	PCIE	IEFPROC				NS	FF	218	0	0	0
17	FPGHWAM	FPGHWAM	IEFPROC				NS	FF	256	0	0	0
18	HZSPROC	HZSPROC	HZSSTEP	STC13979	STCUSR		NS	C1	4774	0	0	0
19	IEFSCHAS	IEFSCHAS					NS	FF	86	0	0	0
20	JESXCF	JESXCF	IEFPROC				NS	FE	692	0	0	0
21	ALLOCAS	ALLOCAS					NS	FF	1808	0	0	0
22	SMS	SMS	IEFPROC				NS	FE	520	0	0	0
23	IOSAS	IOSAS	IEFPROC				NS	FF	826	0	0	0
24	IXGLOGR	IXGLOGR	IEFPROC				NS	FF	3151	0	0	0
25	AXR	AXR	IEFPROC				NS	FE	534	0	0	0
26	CEA	CEA	IEFPROC				NS	FF	3200	0	0	0

Table\_Data\_746079248519232938

Select destination and press ENTER or choose Paste

## Task 12. Export a table - Example



Table\_Data\_601731270055619328.csv - Notepad

File Edit Format View Help

DBS9DBM1, DBS9DBM1, IEFPROC, STC14063, 260, 0.44, , , S1, 0, 0, DB2, SHRDB2, 1, NO, 0.44, 0, NO, NO, DB2, 4TB, NO, 0.15, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, DBS9DIST, DBS9DIST, IEFPROC, STC14064, STC, NS, F8, 3835, 0, 0, 0, 0, 141, 80, 2071, 0.08, , , S1, 0, 0, DB2, SHRDB2, 1, NO, 0.08, 0, NO, NO, DB2, 17179869180GB, NO, 0.06, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, GRSMON, GRSMON, STC14066, STCUSR, NS, FF, 766, 0, 0, 0, 143, 8F, 8, 0, , , S1, 0, 0, STC, STCLO, 1, YES, , 0, 0, NO, NO, 2GB, NO, 0, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, ZTTX, ZTTX, ZTTX, STC14067, STCUSR, NS, C1, 1006, 0, 0, 0, 145, 91, 63, 0.47, , , S1, 0, 0, STC, STCLO, 1, NO, 0.47, 0, NO, NO, 2GB, NO, 0.18, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, CFZCIMI, STEP1, STC14070, STCSYS, LO, FF, 16519, 0, 0, 0, 146, 92, 501365, 5.33, DW, S1, 0, 0, OMVS, OMVS, 3, NO, , 5.33, 0, NO, NO, , 17179869180GB, NO, 5.31, 0, 0, 0, 0, 0, NO, STC, 0, 0, 5.26, 0, 0, 0, NORMAL, SSSH9, STEP1, STC14071, STCSYS, LO, FF, 3244, 0, 0, 0, 147, 93, 78893, 181.64, DW, S1, 0, 0, OMVS, OMVS, 3, NO, , 181.64, 0, NO, NO, , 17179869180GB, NO, 181.31, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, INETD, STEP1, STC14072, STCSYS, LO, FF, 399, 0, 0, 0, 148, 94, 652, 0, LW, S1, 0, 0, OMVS, OMVS, 1, NO, , 0, 0, NO, NO, , 17179869180GB, NO, 0, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, FTPD1, STEP1, STC14073, STCUSR, LO, FF, 573, 0, 0, 0, 149, 95, 663, 0, LW, S1, 0, 0, OMVS, OMVS, 1, NO, , 0, 0, NO, NO, , 2GB, NO, 0, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, SHARA08, SHARE, TCPS104, TSU14183, SHARA08, LO, FF, 723, 0, 0, 0, 150, 96, 5722, 0.39, TI, S1, 0, 0, TSO, TSO, 1, NO, , 0.39, 0, NO, NO, 2GB, NO, 0.38, 0, 0, 0, 0, 0, NO, TSU, 0, 0, 0, 0, 0, 0, NORMAL, AXR02, AXR02, STC14194, STCUSR, LO, FF, 532, 0, 0, 0, 151, 97, 15050, 0.01, LW, S1, 0, 0, SYSTEM, SYSSTC, 1, NO, , 6.72, 0, NO, NO, 2GB, NO, 0, 0, 0, 0, 0, 0, NO, STC, 0, 0, 0, 0, 0, 0, NORMAL, SHARA05, SHARE, IZUTSOAP, TSU14235, SHARA05, IN, F0, 2078, 0, 0, 0, 152, 98, 420, 0.07, , , S1, 0, 0, TSO, TSO, 3, NO, , 0.07, 0, NO, NO, 2GB, NO, 0.07, 0, 0, 50, 0, 0, 0, NO, TSU, 0, 0, 0, 0, 0, 0, NORMAL, NIEMAND, SHARE, TCPS144, TSU14232, NIEMAND, LO, FF, 10778, 0, 0, 0, 153, 99, 29552, 1.99, TI, S1, 0, 0, TSO, TSO, 1, NO, , 1.99, 0, NO, NO, , 17179869180GB, NO, 1.94, 0, 0, 0, 0, 0, NO, TSU, 0, 0, 0, 0, 0, 0, NORMAL, STEVEM, SHARE, TCPS145, TSU14230, STEVEM, LO, FF, 1621, 0, 0, 0, 154, 9A, 6252, 0.34, TI, S1, 0, 0, TSO, TSO, 1, NO, , 0.34, 0, NO, NO, 2GB, NO, 0.33, 0, 0, 0, 0, 0, NO, TSU, 0, 0, 0, 0, 0, 0, NORMAL, IZUSVR1, IZUSVR1, ZOSMF, STC14159, IZUSVR, IN, C1, 126470, 0, 0, 0, 159, 9F, 50788866, 143.75, , , S1, 0, 0, STC, STCLO, 1, YES, , 160.97, 0, NO, NO, 4GB, NO, 140.18, 0, 0, 0, 0, 0, NO, STC, 0, 0, 133.71, 0, 0, 0, NORMAL,

Here is an example of a file opened in Notepad.

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# Task 13. Browse a health check

The screenshot displays the IBM z/OS Management Facility interface. At the top, the title bar reads "IBM z/OS Management Facility" with a user name "shara05" and a help icon. Below the title bar, there are tabs for "SHARPLEX" and "SAMPJOB (JOB14207)". An orange callout bubble with the text "New task" is positioned over the "SHARPLEX" tab.

The main content area is divided into several sections:

- Active Jobs Statistics:** Shows "System: S1 (Local)" and "System Activity Percent Busy" with a bar chart. The chart shows "MVS/SRM" at 26% and "Demand Paging Rate: 0".
- Common Filters:** A panel with "Job name:" and "Owner:" dropdown menus, "Apply" and "Reset" buttons, and a "More +" link.
- Top CPU Percentages:** A section for monitoring CPU usage.
- Active Jobs:** A table listing active jobs with columns for "JobName", "StepName", and "ProcStep". The table shows jobs like \*MASTER\*, PCAUTH, and RASP.
- Properties of:** A panel for viewing job properties, currently showing the "General" section with fields like ASID, ASIDX, JobCorrelator, JobID, JOBNAME, ProcStep, and StepName.

A light blue callout box with a black border contains the instruction: "13a. Click **Overview** to return to the Overview page. If the Overview tab is not visible, click the arrow to scroll the tabs." An arrow points from this box to the "Overview" tab in the "Active Jobs" section.

# Task 13. Browse a health check

The screenshot displays the IBM z/OS Management Facility interface for the SDSF (SHARPLEX) system. The top navigation bar includes the title "IBM z/OS Management Facility", a user profile "Welcome shara05", and the IBM logo. Below the navigation bar, there are tabs for "Welcome" and "SDSF (SHARPLEX)".

The main content area is titled "SDSF (SHARPLEX)" and features a "Common Filters" section with dropdown menus for "Job name:" and "Owner:", along with "Apply" and "Reset" buttons. Below the filters, there are status indicators for "LPAR" (5%) and "MVS/SRM" (5%), and a "Spool utilization: 9%" bar. A "Refresh" button and "Last refresh" timestamp are also present.

The left-hand navigation menu is expanded to show "Jobs" and "Health Checks" sections. The "z/OS Health Checks" link is highlighted, and a callout box with the text "13b. Click z/OS Health Checks" points to it. Other links in the "Jobs" section include "Active Jobs", "All Jobs", "Input Queue", "Output Queue", and "Held Output Queue".

Additional elements include "TSO Messages" in the top right, "Eligible checks: 163" in the bottom right, and "View icons" in the bottom right corner.

# Task 13. Browse a health check

IBM z/OS Management Facility

Welcome shara05

IBM

Welcome x SDSF (SHARPLEX) x

TSO Messages

### SDSF (SHARPLEX)

SAMPJOB (JOB14207) x

Manage z/OS Health Checks.

z/OS Health Checks Statistics

System: S1 (Local)

z/OS Health Checks

Category	Count
Success	128
Exception None	0
Exception Low	16
Exception Medium	16
Exception High	3

Running checks: 0      Inactive checks: 13

Apply    Reset    More +

View text

Like the others, this view includes a graphic summary, table and properties

### Health Checks

Common Filters    Properties of

File    Actions    View    Match: All Filters

No filter applied

NAME
Filter
ALLOC_ALLC_OFFLN_POLICY
ALLOC_SPEC_WAIT_POLICY
ALLOC_STAT_AIR

Type to filter properties

Edit properties

- General
  - CheckOwner:
  - Global:
  - GlobalSys:
  - NAME:
  - Reason:
  - SevCode:

# Task 13. Browse a health check

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

### SDSF (SHARPLEX)

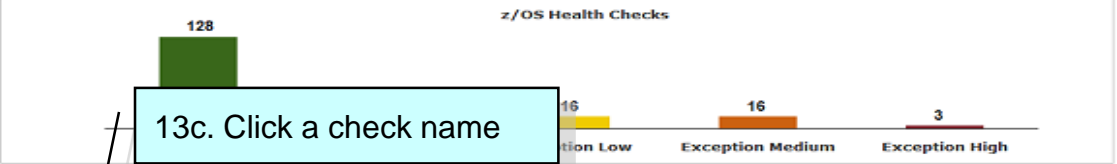
Common Filters

Job name: \* Owner: \* Apply Reset More +

Manage z/OS Health Checks.

#### z/OS Health Checks Statistics

System: S1 (Local) View text



Category	Count
Running checks	128
Inactive checks	0
Total checks	13
Exception Low	16
Exception Medium	16
Exception High	3

13c. Click a check name

#### Health Checks

Common Filters Match: All Filters

No filter applied

NAME	C	Fi
<a href="#">ALLOC_ALLOC_OFFLN_POLICY</a>	IB	Fi
<a href="#">ALLOC_SPEC_WAIT_POLICY</a>	IB	Fi

#### Properties of

Type to filter properties

Edit properties

- General
  - CheckOwner: Global
  - GlobalSys: Global
  - NAME: ALLOC\_ALLOC\_OFFLN\_POLICY
  - Reason: ...



# Task 13. Browse a health check

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

SDSF (SHARPLEX)

Output Queue x Us

ALLOC\_ALLC\_OFFLN\_POLICY

Check History Browse Selected Browse Check

Health Checks History

File Actions View Match: All Filters

No filter applied

COUNT Filter	CheckOwner Filter	Status Filter
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

There is no data to display.

Apply Reset

More +

Total: 0 Selected: 0 1 25 | 50 | 100 | 250 +

# Task 13. Browse a health check

IBM z/OS Management Facility

Welcome shara05

Welcome x SDSF (SHARPLEX) x

TSO Messages

Common Filters

Job name: \* Owner: \*

Apply Reset

More +

Check History Selected Browse Check

Browse Check

Find options

Find

Actions Line: 1

```
CHECK (IBMALLOC,ALLOC_ALLC_OFFLN_POLICY)
SYSPLEX: SHARPLEX SYSTEM: S1
START TIME: 09/29/2015 21:39:56.348621
CHECK DATE: 20100931 CHECK SEVERITY: LOW
CHECK PARM: POLICY (WTOR,CANCEL,WAITNOH)

IEFAN001I Option value CANCEL matches the owner
recommendation of WTOR,CANCEL,WAITNOH

END TIME: 09/29/2015 21:39:56.349562 STATUS: SUCCESSFUL
```

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

# Want to try more?

- Filters in the table

<input type="checkbox"/>	JOBNAME Filter	StepName Filter	ProcStep Filter
<input type="checkbox"/>	SHARA05	SHARE	IZUTSOAP

For filtering, click Filter for any column

Build Filter

Match   Match case

Rules

Then supply filter criteria

- Find in Browse

SAMPJOB (JOB24727)

Job Data Sets

**Browse All**

error|

Find options

Actions

```
14.10.20 JOB24727 IEF452I SAMPJOB - JOB NOT RUN - JCL ERROR 403
0----- JES2 JOB STATISTICS -----
n
```

Type a value in the Find field, then press Enter

To limit your search, click Find options

# Want to try more? View the SYSLOG.

- To view the SYSLOG, you can browse the SYSLOG job from the All Jobs View (or \*MASTER\* from the Active Jobs view).

\*MASTER\* (STC22359) Messages 0 1 23 | Help

Job Data Sets Browse Selected Browse All Edit JCL

**Browse All** Find options

DSID: 163 Line: 1

N 0000000	AQFT	14241	11:57:51.64	JOB10136	00000291	IEF404I SDCPCS - ENDED - TIME=11.57.51
N 0004000	AQFT	14241	11:57:51.64	JOB10136	00000290	- =====
S						- NAME-4A0921-GREENBLATT TOTALS: CPU TIME=
N 0004000	AQFT	14241	11:57:51.64	JOB10136	00000290	TIME= 0:00:10.79 SERVICE UNITS= 38108
S						- =====
N 0004000	AQFT	14241	11:57:51.64	JOB10136	00000290	=====
N 4000000	AQFT	14241	11:57:51.64	JOB10136	00000291	\$HASP395 SDCPCS ENDED
N C000000	AQFT	14241	11:57:51.98		00000281	\$HASP309 INIT 1 INACTIVE ***** C=FS8
N 0200000	AQFT	14241	11:57:51.98	JOB10153	00000281	\$HASP100 SCINIT ON INTRDR 4A0921-GREENE
S						BP503948
N 0020000	AQFT	14241	11:57:52.06	JOB10153	00000281	ICH70001I G4A0921 LAST ACCESS AT 11:57:48 ON
N 4000000	AQFT	14241	11:57:52.06	JOB10153	00000291	\$HASP373 SCINIT STARTED - INIT 1 - CLASS
N 0000000	AQFT	14241	11:57:52.06	JOB10153	00000291	IEF403I SCINIT - STARTED - TIME=11.57.52
N 0004000	AQFT	14241	11:57:52.19	JOB10153	00000290	- =====
S						=====

Lines: 2000 Lines to move: 2000 Down Up Top Bottom DSID: 163Line: 2000

Refresh Last refresh: More than 5 minutes ago

# End of this lab

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**Thank you!**

For more information, see:

- z/OSMF website:

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

- z/OSMF is in the z/OS Internet Library:

<http://www.ibm.com/systems/z/os/zos/library/bkserv/>