

CA Workload Automation DE

SAP Tools Perspective Help

r11.3



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CA Technologies Product References

This document references the following CA Technologies products:

- CA Workload Automation DE
- CA Workload Automation Desktop Client (CA WA Desktop Client)
- CA Workload Automation DE Web Client
- CA Workload Automation High Availability DE (CA WA High Availability)
- CA Workload Automation Web Services (CA WA Web Services)
- CA Workload Automation Agent for UNIX (CA WA Agent for UNIX)
- CA Workload Automation Agent for Linux (CA WA Agent for Linux)
- CA Workload Automation Agent for Windows (CA WA Agent for Windows)
- CA Workload Automation Agent for i5/OS (CA WA Agent for i5/OS)
- CA Workload Automation Agent for z/OS (CA WA Agent for z/OS)
- CA Workload Automation Agent for Application Services (CA WA Agent for Application Services)
- CA Workload Automation Agent for Web Services (CA WA Agent for Web Services)
- CA Workload Automation Agent for Micro Focus (CA WA Agent for Micro Focus)
- CA Workload Automation Agent for Databases (CA WA Agent for Databases)
- CA Workload Automation Agent for SAP (CA WA Agent for SAP)
- CA Workload Automation Agent for PeopleSoft (CA WA Agent for PeopleSoft)
- CA Workload Automation Agent for Oracle E-Business Suite (CA WA Agent for Oracle E-Business Suite)
- CA Workload Automation Restart Option EE (CA WA Restart Option)
- CA Spectrum® Service Assurance (CA Spectrum SA)

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Chapter 1: Using SAP Tools

This section contains the following topics:

[SAP Tools](#) (see page 7)

[List the SAP Events on Your SAP System](#) (see page 8)

[List Intercepted Jobs](#) (see page 10)

[List Ad Hoc Jobs](#) (see page 13)

[Determine Current Resource Usage on Your SAP System](#) (see page 16)

SAP Tools

You can monitor and control an SAP system using the SAP Tools perspective. SAP Tools is a window into SAP systems that lets you to do the following:

- List and manually trigger SAP events
- Work with intercepted jobs
- Monitor jobs CA Workload Automation DE did not submit
- Determine current resource usage on the SAP system

Intercepted Jobs

When you intercept an SAP job, the SAP system deactivates the job for a restart later and sets the job state to SCHEDULED. The SAP system sets jobs as INTERCEPTED based on entries in the Interception Criteria Table.

Note: You can only use SAP Tools to intercept jobs defined on the SAP system, such as jobs defined using SAP GUI.

SAP Tools lets you do the following:

- List intercepted jobs
- Modify the criteria used to intercept SAP jobs
- Issue commands against intercepted jobs

More information:

[List Intercepted Jobs](#) (see page 10)

[Modify the Criteria Used to Intercept SAP Jobs](#) (see page 11)

[Issue a Command Against an Intercepted Job](#) (see page 12)

Ad Hoc Jobs

An *ad hoc job* is any job submitted outside the control of CA Workload Automation DE. Ad hoc jobs may be submitted manually, submitted by another scheduling product, or submitted by another system.

You can identify many characteristics for jobs you want to monitor, such as job status or date ranges, and save those characteristics as a named filter.

More information:

[List Ad Hoc Jobs](#) (see page 13)

[Receive Continual Updates Automatically](#) (see page 15)

[Issue a Command Against an Ad Hoc Job](#) (see page 15)

List the SAP Events on Your SAP System

Using SAP Tools, you can list the SAP events on your SAP system. After listing the events, you can trigger them on the SAP system.

To list the SAP events on your SAP system

1. Open the SAP Tools perspective.

A list of server connections is displayed in the SAP Tools Explorer view.

2. Right-click the Event Listings folder under your server connection, and click New Event Listing from the pop-up menu.

The New Event Listing dialog opens.

3. Complete the following required fields:

Name

Defines the name of the event listing.

Agent name

Specifies the name of the SAP Agent.

4. (Optional) Specify the following additional information in the SAP Logon information section:

RFC destination

Specifies the destination value for the Remote Function Call (RFC) connection and gateway information.

User name

Specifies the user name the agent uses to log on to the SAP system.

Limit: 32 characters

Client

Specifies a three-digit number that identifies the SAP client.

Example: 800

5. Click Finish.
SAP Tools displays the event listing under the Event Listings folder.
6. Right-click the new event listing, and select Open from the pop-up menu.
SAP Tools displays a list of SAP events on your SAP system.

Trigger an SAP Event on Your SAP System

After listing the SAP events on your SAP system, you can trigger (raise) an SAP event manually on the SAP system.

Note: Triggering an Event in CA Workload Automation DE is equivalent to raising an event in SAP.

1. List the SAP events on your SAP system.
2. Right-click the event that you want to trigger in the event listing, and select Trigger Event from the pop-up menu.

The Trigger Event dialog opens.

3. (Optional) Enter the event parameter in the Event Parameter field.
4. Click OK.

The SAP Event is triggered (raised) on your SAP system.

List Intercepted Jobs

Using SAP Tools, you can list intercepted jobs to monitor the jobs and issue commands against them.

To intercept jobs

1. Open the SAP Tools perspective.

A list of server connections is displayed in the SAP Tools Explorer view.

2. Right-click the Intercepted Job Listings folder under your server connection, and click New Intercepted Job Listing.

The New Intercepted Job Listing dialog opens.

3. Complete the following required fields:

Name

Defines the name of the intercepted job list.

Agent name

Specifies the name of the SAP Agent.

4. (Optional) Specify the following additional information in the SAP Logon information section:

RFC destination

Specifies the destination value for the Remote Function Call (RFC) connection and gateway information.

User name

Specifies the user name the agent uses to log on to the SAP system.

Limit: 32 characters

Client

Specifies a three-digit number that identifies the SAP client.

Example: 800

5. (Optional) Select the More Information check box to display additional fields (background client for authorization check, job creator, and information related to children and parent processes) in the intercepted job listing.
6. Click Finish.
SAP Tools displays the intercepted jobs listing under the Intercepted Job Listings folder.
7. Right-click the new intercepted jobs listing, and select Open from the pop-up menu.
SAP Tools displays a list of intercepted jobs.

More information:

[Intercepted Jobs](#) (see page 7)

Modify the Criteria Used to Intercept SAP Jobs

The Interception Criteria Table describes the criteria the SAP system uses to intercept jobs. You can add filters to the table to intercept selected jobs or modify the table to change the existing interception criteria.

To modify the criteria used to intercept SAP jobs

1. List intercepted jobs.
2. Right-click the intercepted jobs listing under the Intercepted Job Listings folder, and select Modify Criteria Table from the pop-up menu.

The Modify Criteria Table dialog opens.

3. Do *one* of the following:
 - To display the existing interception criteria, click List.
 - To update the existing interception criteria, select the criteria, update the appropriate fields, and click Update.
 - To add filtering criteria, enter your filtering criteria and click Add.

Note: You can filter by job name, job creator, and client using an asterisk (*) as a wildcard. For example, LAM* intercepts all job names that begin with LAM.

4. Click Finish.

SAP Tools displays the list of intercepted jobs that meet your criteria.

More information:

[Intercepted Jobs](#) (see page 7)

Issue a Command Against an Intercepted Job

You can issue a command against an intercepted job to monitor or control the job.

To issue a command against an intercepted job

1. List intercepted jobs.
2. Right-click the job you want to issue a command against in the intercepted jobs listing.

A list of job commands appears.

3. Select one of the following commands:

Job Copy

Creates a copy of the job on the SAP system.

JobDefGet

Displays an SAP job definition.

JobDelete

Deletes the job.

Job Start

Starts an intercepted job.

JobStatusCheck

Checks the status of the job.

JobStatusGet

Displays the status of the job.

The server issues the command against the intercepted job.

More information:

[Intercepted Jobs](#) (see page 7)

List Ad Hoc Jobs

Using SAP Tools, you can list ad hoc jobs to monitor the jobs and issue commands against them.

To list ad hoc jobs

1. Open the SAP Tools perspective.
A list of server connections is displayed in the SAP Tools Explorer view.
2. Right-click the Ad Hoc Job Filters folder under your server connection, and select New Ad Hoc Filter from the pop-up menu.
The Ad Hoc Job Filter dialog opens.
3. Complete the following required fields:

Filter name

Defines the name of the ad hoc job filter.

Agent name

Specifies the name of the SAP Agent.

Job name

Specifies the SAP job names you want to filter on.

Note: You must include a wildcard for a partial name. For example, SAP* matches all job names that start with SAP.

4. (Optional) Specify the following additional information in the SAP Logon information section:

RFC destination

Specifies the destination value for the Remote Function Call (RFC) connection and gateway information.

User name (SAP Logon information)

Specifies the user name the agent uses to log on to the SAP system.

Limit: 32 characters

Client

Specifies a three-digit number that identifies the SAP client.

Example: 800

5. (Optional) Specify the following additional information in the Filtering Criteria section:

User name (Filtering Criteria)

Specifies the user names you want to filter on.

Notes:

- You must enter the user name filter in uppercase.
- You must include a wildcard for a partial name. For example, CYB* matches all user names that start with CYB.

6. Click Next.

The Specific Filter Criteria dialog opens.

7. Complete the fields as appropriate, and click Next.

The Advanced Filter Criteria dialog opens.

8. Complete the fields as appropriate, and click Finish.

SAP Tools displays the ad hoc job filter under the Ad Hoc Job Filters folder.

9. Right-click the new ad hoc job filter, and select Open from the pop-up menu.

SAP Tools displays a list of ad hoc jobs that match the filter criteria.

Note: You can refresh the list of jobs at any time by right-clicking the ad hoc job filter and selecting Refresh.

More information:

[Ad Hoc Jobs](#) (see page 8)

Receive Continual Updates Automatically

You can receive continual updates to the ad hoc job monitor automatically. The polling rate for the monitor is set in the agent configuration file.

Note: For more information about the polling rate, contact your agent administrator.

To receive continual updates automatically

1. List ad hoc jobs.
2. Right-click the ad hoc job filter, and select Subscribe from the pop-up menu.
The ad hoc jobs monitor continues to update the listing until you close the dialog or unsubscribe from the filter.
3. (Optional) Right-click the ad hoc job filter, and select Lock from the pop-up menu to freeze the screen updates.

Note: To resume job monitoring, right-click the ad hoc job filter and select Unlock.

More information:

[Ad Hoc Jobs](#) (see page 8)

Issue a Command Against an Ad Hoc Job

You can issue a command against an ad hoc job to monitor or control the job.

To issue a command against an ad hoc job

1. List ad hoc jobs.
2. Right-click the job you want to issue a command against in the ad hoc jobs listing.

Note: If you subscribed to receive continual updates automatically, you must first right-click the ad hoc job filter, and select Lock to freeze screen updates or Unsubscribe to stop screen updates.

A list of job commands appears.

3. Select one of the following commands:

JobCancel

Cancels the job.

Job Children Get

Lists the children of the job, if any.

Job Copy

Creates a copy of the job on the SAP system.

JobDefGet

Displays an SAP job definition.

JobDelete

Deletes the job.

Job Get Spool List

Displays the job spool that an ABAP produced.

Job Log Read

Reads the job log.

Job Start

Starts a job after deleting it from the list.

JobStatusCheck

Checks the status of the job.

JobStatusGet

Displays the status of the job.

The server issues the command against the ad hoc job.

More information:

[Ad Hoc Jobs](#) (see page 8)

Determine Current Resource Usage on Your SAP System

You can use SAP Tools to display the total processes, free processes, and status of your SAP system.

To determine the current resource usage on your SAP system

1. Open the SAP Tools perspective.
A list of server connections is displayed in the SAP Tools Explorer view.
2. Right-click the Resource Listings folder under your server connection, and select New Resource Listings from the pop-up menu.
The New Resource Listings dialog opens.
3. Complete the following required fields:

Name

Defines the name of the resource listing.

Agent name

Specifies the name of the SAP Agent.

4. (Optional) Specify the following additional information in the SAP Logon information section:

RFC destination

Specifies the destination value for the Remote Function Call (RFC) connection and gateway information.

User name

Specifies the user name the agent uses to log on to the SAP system.

Limit: 32 characters

Client

Specifies a three-digit number that identifies the SAP client.

Example: 800

5. Click Finish.
SAP Tools displays the resource listing under the Resource Listings folder.
6. Right-click the new resource listing, and select Open from the pop-up menu.
SAP Tools displays the current resource usage on the SAP system.

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