CA Workload Automation Agent for Remote Execution

Release Notes
r11.3.3
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CA Technologies Product References

This document references the following CA Technologies products:

- CA Process Automation
- CA Workload Automation AE
- CA Workload Automation Agent for Application Services (CA WA Agent for Application Services)
- CA Workload Automation Agent for Databases (CA WA Agent for Databases)
- CA Workload Automation Agent for i5/OS (CA WA Agent for i5/OS)
- CA Workload Automation Agent for Informatica (CA WA Agent for Informatica)
- CA Workload Automation Agent for Linux (CA WA Agent for Linux)
- CA Workload Automation Agent for Micro Focus (CA WA Agent for Micro Focus)
- CA Workload Automation Agent for Microsoft SQL Server (CA WA Agent for Microsoft SQL Server)
- CA Workload Automation Agent for Oracle E-Business Suite (CA WA Agent for Oracle E-Business Suite)
- CA Workload Automation Agent for PeopleSoft (CA WA Agent for PeopleSoft)
- CA Workload Automation Agent for Remote Execution (CA WA Agent for Remote Execution)
- CA Workload Automation Agent for SAP (CA WA Agent for SAP)
- CA Workload Automation Agent for UNIX (CA WA Agent for UNIX)
- CA Workload Automation Agent for Web Services (CA WA Agent for Web Services)
- CA Workload Automation Agent for Windows (CA WA Agent for Windows)
- CA Workload Automation CA 7 Edition
- CA Workload Automation DE
- CA Workload Automation Desktop Client (CA WA Desktop Client)
- CA Workload Automation ESP Edition
- CA Workload Control Center
Contact CA Technologies

Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At http://ca.com/support, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

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Chapter 1: Welcome

Welcome to CA Workload Automation Agent for Remote Execution. This document includes information about changes to existing features, a complete list of fixed issues, supported platform information and system requirements, and known issues for this release, if any. Relevant documentation may also be included for significant fixes or changes.

For the latest version of the 11.3 agent documentation including these Release Notes, visit the following link:

https://supportcontent.ca.com/cadocs/0/CA%20Workload%20Automation%20System%20Agent%20r11%203-ENU/Bookshelf.html
Chapter 2: Fixed Issues

The chapter details the issues that have been fixed in CA WA Agent for Remote Execution r11.3.3.

This section contains the following topics:

- **Job Fails on UNIX When Hangup Signal Received** (see page 9)
- **CA WA Agent for Remote Execution Stops Working after Upgrade** (see page 9)
- **Orphan Processes Left Running on Target UNIX System** (see page 10)

### Job Fails on UNIX When Hangup Signal Received

**Problem record: SYSAGT-139**

When a Remote Execution job on UNIX receives a hangup signal, the job fails unexpectedly. The spool file shows that the script failed when the hangup signal was received. This issue has been fixed.

### CA WA Agent for Remote Execution Stops Working after Upgrade

**Problem record: SYSAGT-132**

After you upgrade the agent using the patch utility, CA WA Agent for Remote Execution stops working. During the patch upgrade, the third-party library sinetfactory.jar is replaced by an older version that is included with the agent. This issue has been fixed. The agent now uses the same version of the sinetfactory.jar as CA WA Agent for Remote Execution.

**Important**! If you install CA WA Agent for Remote Execution on the 11.3 SP1 or 11.3 SP2 agent, the installer prompts to replace the sinetfactory.jar. Enter 'Y' to replace the sinetfactory.jar on that agent, so that you are using the updated JAR file. If you install CA WA Agent for Remote Execution on the 11.3 SP3 agent, the installer prompts to replace the sinetfactory.jar. You do not have to replace the JAR file in this case.
Orphan Processes Left Running on Target UNIX System

Problem record: REMAGT-5

After a job completes running on the target UNIX system, an orphan ksh process is left running on the target system. Eventually, the number of processes on the target system is exhausted and the orphan processes must be killed manually. This issue has been fixed.
Chapter 3: Supported Systems and Requirements

This section contains the following topics:

Supported Platforms (see page 11)
Supported Remote Systems (see page 11)

Supported Platforms

For current information regarding supported platforms, visit the CA Workload Automation Agent Product page at the following link:

https://support.ca.com/irj/portal/prddtlshome?productID=8075

From the Product Status section, follow the CA Workload Automation Compatibility Information link. Then follow the CA Workload Automation Agent link.

Supported Remote Systems

For current information regarding supported remote systems, visit the CA Workload Automation Agent Product page at the following link:

https://support.ca.com/irj/portal/prddtlshome?productID=8075

From the Product Status section, follow the CA Workload Automation Compatibility Information link. Then follow the CA Workload Automation Remote Execution Agent link.
Chapter 4: Agent Restrictions

This section contains the following topics:

Connecting to Multiple Remote Systems (see page 13)
Automatic Deletion of Spool Files and Job Logs (see page 13)

Connecting to Multiple Remote Systems

The agent can connect to up to six remote systems. For example, you can connect the agent to four remote systems on UNIX and two remote systems on OpenVMS. If you try to connect to more than six remote systems, the job will end with a submission error.

Automatic Deletion of Spool Files and Job Logs

The CA WA Agent for Remote Execution does not support automatic cleanup of spool files and job logs using the following agent settings:

oscomponent.joblog.success.autocleanup=true
agent.spool.success.autocleanup=true

Due to this restriction, you cannot configure the agent to delete automatically the spool files of completed Remote Execution jobs or job logs.

The CA WA Agent for Remote Execution does support automatic cleanup of spool files using the following agent settings:

runnerplugin.spool.clean.enable=true
runnerplugin.spool.expire
runnerplugin.spool.sleep

Note: For more information about using these parameters, see the CA Workload Automation Agent for UNIX, Linux, or Windows Implementation Guide.
Chapter 5: UNIX Remote Systems

This section contains the following topics:

Environment Variables (see page 15)
Special Characters (see page 15)
Prompts in Job Spool Files Are Not Supported (see page 15)

Environment Variables

On UNIX systems, CA WA Agent for Remote Execution sets the value of an environment variable but does not provide additional handling. CA WA Agent for UNIX has some special handling for PWD, STDOUT, and some other variables. For example, setting PWD using the CA WA Agent for UNIX will result in switching a working directory to the specified location. Setting PWD using the CA WA Agent for Remote Execution will set the PWD but will not change the working directory. This behavior is consistent with what happens when setting PWD using the command line.

Special Characters

The following special characters are not supported for use in executing commands on UNIX systems: double quote ("), single quote (‘), and semicolon (;).

Prompts in Job Spool Files Are Not Supported

The agent truncates the spool file output when it contains the $CA_PROMPT string resulting in an incomplete file. When the agent reaches a string containing a prompt, it treats the string as the end of the response.
Chapter 6: HP Integrity NonStop Remote Systems

This section contains the following topics:

Supported Completion Codes (see page 17)
Migrating the Agent Parameter File from a Legacy Telnet Agent (see page 17)

Supported Completion Codes

CA WA Agent for Remote Execution only supports completion codes 1 through 6. For other completion codes returned by the system, use the job spool file to confirm expected behavior, for example, whether a file is deleted.

Migrating the Agent Parameter File from a Legacy Telnet Agent

The CA WA Agent for Remote Execution replaces the legacy Telnet agent for Tandem. If you run Tandem jobs on the legacy agent, you can manually migrate your version 2 agent parameter file to the new agent.

The following table maps the parameters from your version 2 agent parameter file to the new agent. Except for the following parameters, you can ignore the other parameters from the legacy Telnet agent.

<table>
<thead>
<tr>
<th>V2 Agent Parameter File</th>
<th>CA WA Agent</th>
</tr>
</thead>
<tbody>
<tr>
<td>CryptKey</td>
<td>security.cryptkey in agentparm.txt</td>
</tr>
<tr>
<td></td>
<td>To use the same encryption method and key, choose DES as the encryption method during the agent installation. You can also choose a different method such as AES or use a different key.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Use the same encryption method and key on the scheduling manager.</td>
</tr>
</tbody>
</table>
### Migrating the Agent Parameter File from a Legacy Telnet Agent

**V2 Agent Parameter File** | **CA WA Agent**
---|---
WaitFirstSysPrompt | login.endPromptTimeout in either the custom or system properties file  
**Note:** For more information about the custom and system properties files, see the *Implementation Guide.*

AgentName | Agentname in agentparm.txt file  
Specify during the agent installation when prompted for the agent name.

RequestPort | communication.inputport in agentparm.txt file  
Specify during the agent installation when prompted for the input port.

ManagerAddress | communication.manageraddress_1 in agentparm.txt file  
Specify during the agent installation when prompted for the manager address.

ManagerPort | communication.managerport_1 in agentparm.txt file  
Specify during the agent installation when prompted for the manager port.

MonitorObject | communication.monitorobject_1 in agentparm.txt file

CompletionCode | completionCode in either the custom or system properties file  
**Note:** For more information about the custom and system properties files, see the *Implementation Guide.*
Chapter 7: OpenVMS Remote Systems

This section contains the following topics:

- Using a Job Queue Other than SYS$BATCH (see page 19)
- Specifying the Maximum Number of Concurrent Jobs (see page 19)
- Using Unsupported Characters to Identify the Job (see page 19)
- Migrating the Agent Parameter File from a Legacy Telnet Agent (see page 20)
- Migrating Job Definitions from a Legacy Telnet Agent (see page 21)

Using a Job Queue Other than SYS$BATCH

If the job is not using the default job queue SYS$BATCH, you must specify the job queue in the job definition. For example, to use SYS$BATCH_I64SYS as the job queue, specify the following submit modifier in the job definition:

```
SUBMIT_MODIFIER /QUEUE=SYS$BATCH_I64SYS
```

**Note:** For more information about specifying submit modifiers, see your scheduling manager documentation.

Specifying the Maximum Number of Concurrent Jobs

You can specify the maximum number of concurrent jobs that can run on a job queue by setting the JOB_LIMIT attribute. For example, to run up to 50 jobs concurrently on the SYS$BATCH job queue, issue the following command on the OpenVMS system:

```
SET QUEUE SYS$BATCH /JOB_LIMIT=50
```

When the maximum number of concurrent jobs specified by JOB_LIMIT is reached, subsequent job submissions are queued until jobs complete running. As a result, the actual time a job runs can be different than the time the job is submitted.

Using Unsupported Characters to Identify the Job

If the spool file location is not specified, the agent uses the job ID to create the directory that stores temporary files and spool files. The job ID identifies the job on the scheduling manager and is composed of the job name and other values. To comply with the OpenVMS directory and file specification, we recommend that you identify the job using only alphanumeric characters, hyphen, dollar sign, and underscore.
Migrating the Agent Parameter File from a Legacy Telnet Agent

The CA WA Agent for Remote Execution replaces the legacy Telnet agent for OpenVMS. If you run OpenVMS jobs on the legacy agent, you can manually migrate your version 2 agent parameter file to the new agent.

The following table maps the parameters from your version 2 agent parameter file to the new agent. Except for the following parameters, you can ignore the other parameters from the legacy Telnet agent.

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<tr>
<td>WaitFirstSysPrompt</td>
<td>login.endPromptTimeout in either the custom or system properties file</td>
</tr>
<tr>
<td></td>
<td><strong>Note</strong>: For more information about the custom and system properties files, see the <em>Implementation Guide</em>.</td>
</tr>
<tr>
<td>AgentName</td>
<td>Agentname in agentparm.txt file</td>
</tr>
<tr>
<td></td>
<td>Specify during the agent installation when prompted for the agent name.</td>
</tr>
<tr>
<td>RequestPort</td>
<td>communication.inputport in agentparm.txt file</td>
</tr>
<tr>
<td></td>
<td>Specify during the agent installation when prompted for the input port.</td>
</tr>
<tr>
<td>ManagerAddress</td>
<td>communication.manageraddress_1 in agentparm.txt file</td>
</tr>
<tr>
<td></td>
<td>Specify during the agent installation when prompted for the manager address.</td>
</tr>
<tr>
<td>ManagerPort</td>
<td>communication.managerport_1 in agentparm.txt file</td>
</tr>
<tr>
<td></td>
<td>Specify during the agent installation when prompted for the manager port.</td>
</tr>
<tr>
<td>MonitorObject</td>
<td>communication.monitorobject_1 in agentparm.txt file</td>
</tr>
</tbody>
</table>
Migrating Job Definitions from a Legacy Telnet Agent

If you run OpenVMS jobs on the legacy agent, you must update your old job definitions to run them on the new agent.

The legacy Telnet agent provided a command procedure named ESbsubmit.com, which is not required by the new agent. To migrate your old job definitions to the new agent, do the following:

- Replace ESbsubmit.COM with the actual commands you intend to run. For example, assume that your existing job definition uses ESbsubmit.com as the command and PIC_TIME.COM as the argument. Your new job definition would use PIC_TIME.COM as the command without an argument.

- If your existing job definition specifies any options to pass to ESbsubmit.COM, such as /USER, specify these values as described in your scheduling manager documentation.

- Instead of using /PARAMETERS to specify arguments, include the arguments as part of the command string. For example, assume that your existing job definition uses ESbsubmit.COM as the command and "PIC_TIMER.COM /PARAMETERS="RECORD"" as the argument. Your new definition would use "@PIC_TIMER.COM "RECORD"" as the command without an argument.

- Instead of using /LOG_FILE, specify the path to the spool file as described in your scheduling manager documentation.
Chapter 8: Related Documentation

Documentation for the agent and scheduling managers is available in HTML and PDF format at http://ca.com/support.

Note: To view PDF files, download and install the Adobe Reader from the Adobe website if it is not already installed on your computer.

This section contains the following topics:

Agent Documentation (see page 23)
CA Workload Automation AE Documentation (see page 23)
CA Workload Automation DE Documentation (see page 24)
CA Workload Automation ESP Edition Documentation (see page 24)
CA Workload Automation CA 7 Edition Documentation (see page 25)

Agent Documentation

To install, configure, and maintain the agent, see the CA Workload Automation Agent for Remote Execution Implementation Guide.

CA Workload Automation AE Documentation

To work with the agent and CA Workload Automation AE, see the following documentation:

<table>
<thead>
<tr>
<th>Task</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure the scheduling manager to work with the agent</td>
<td>CA Workload Automation AE UNIX Implementation Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation AE Windows Implementation Guide</td>
</tr>
<tr>
<td>Define, monitor, and control jobs</td>
<td>CA Workload Automation AE Reference Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation AE User Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Control Center Workload Scheduling Guide</td>
</tr>
</tbody>
</table>
CA Workload Automation DE Documentation

To work with the agent and CA Workload Automation DE, see the following documentation:

<table>
<thead>
<tr>
<th>Task</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure the scheduling manager to work with the agent</td>
<td>CA Workload Automation DE Admin Perspective Help</td>
</tr>
<tr>
<td>Define jobs</td>
<td>CA Workload Automation DE Define Perspective Help</td>
</tr>
<tr>
<td>Monitor and control jobs</td>
<td>CA Workload Automation DE Monitor Perspective Help</td>
</tr>
</tbody>
</table>

Note: The online help is available in HTML and PDF formats.

CA Workload Automation ESP Edition Documentation

To work with the agent and CA Workload Automation ESP Edition, refer to the following documentation:

<table>
<thead>
<tr>
<th>Task</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure the agent to work with the scheduling manager</td>
<td>CA Workload Automation ESP Edition Installation and Configuration Guide</td>
</tr>
</tbody>
</table>
| Define jobs                 | CA Workload Automation Agent for UNIX, Linux, or Windows User Guide  
| Monitor and control jobs    | CA Workload Automation Agent for UNIX, Linux, or Windows User Guide  
                               | CA Workload Automation ESP Edition Operator’s Guide |
To work with the agent and CA Workload Automation CA 7 Edition, see the following documentation:

<table>
<thead>
<tr>
<th>Task</th>
<th>Documentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configure the scheduling manager</td>
<td>CA Integrated Agent Services Implementation Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation CA 7 Edition Interface Reference Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation CA 7 Edition Systems Programming Guide</td>
</tr>
<tr>
<td>Define, monitor, and control jobs</td>
<td>CA Integrated Agent Services User Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation CA 7 Edition Interface Reference Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation CA 7 Edition Database Maintenance Guide</td>
</tr>
<tr>
<td></td>
<td>CA Workload Automation CA 7 Edition Command Reference Guide</td>
</tr>
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</table>