# Cisco Workload Automation 6.3.2 Release Notes

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# Contents

This release notes contains the following sections:

# Introduction

Starting from release 6.3, Cisco Tidal Enterprise Scheduler (TES) is re-branded to Cisco Workload Automation (CWA). CWA is an automation platform for cross-application and cross-platform operational workloads, batch job scheduling, and data integration throughput. CWA can easily configure and run scheduled workloads and event-based business processes. It can integrate the commercial and custom applications that the business processes use. CWA has the capability to determine which tasks to run, as well as where and when to run them, without learning new scripting languages, customizing existing tools, or any human intervention. Additionally, CWA provides a single view and point of control over all business processes and the jobs they comprise.

# Key Features Additions, Enhancements, and Compatibility Updates

Cisco Workload Automation 6.3.2 release includes the following feature additions and enhancements:

| Feature | Description |
|---|---|
| Support installation and deployment of CWA components on AWS platform on Virtual Private Cloud (VPC), enabling workloads to be automated in public and hybrid cloud environments. | ■ All CWA components including Master, Client Manager, Javaclient, Transporter, and Agent can be installed and deployed on AWS platform.<br><br>■ Following adapters have been validated on AWS platform:<br><br>– Email<br><br>– JDBC<br><br>– Oracle DB<br><br>– MS SQL<br><br>– JMS<br><br>– SAP Adapter<br><br>– BO BI Adapter<br><br>– BODS Adapter<br><br>– Informatica<br><br>For more information, see *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.* |

| Feature | Description |
|---|---|
| Support integration with key AWS services | Added support for the following AWS services:<br><br>■ RDS Oracle 11g<br><br> – Enhanced CWA Master and Client Manager to work with RDS Oracle as backend RDMS.<br><br> – Support for Oracle Adapter.<br><br> – Support for JDBC Adapter<br><br>■ RDS SQL Server 2016<br><br> – Enhanced CWA Master and Client Manager to work with RDS SQL Server as backend RDMS<br><br> – Support for JDBC Adapter.<br><br> – Support for MSSQL Adapter.<br><br>■ AWS work mail – Added support for AWS work mail in CWA email event.<br><br>■ AWS SES – Simple Email Service<br><br> – Enhanced SMTP support with SSL and SMTP Authentication to support AWS SES.<br><br>■ AWS Directory Service<br><br> – Added support for AWS Directory Service for Authentication from Master and Client Manager.<br><br>For more information, see *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.* |
| Support installation and deployment of CWA components on MS Azure platform with launch types – Classic and Resource Manager, enabling workloads to be automated in public and hybrid cloud environments. | ■ All CWA components including Master, Client Manager, Javaclient, Transporter, and Agent can be installed and deployed on MS Azure platform.<br><br>■ Following adapters have been validated on MS Azure platform:<br><br> – Email<br><br> – JDBC<br><br> – Oracle DB<br><br> – MS SQL<br><br> – JMS<br><br> – SAP Adapter<br><br> – BO BI Adapter<br><br> – BODS Adapter<br><br> – Informatica<br><br>For more information, see *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.* |

Key Features Additions, Enhancements, and Compatibility Updates

| Feature | Description |
|---|---|
| Support integration with key MS Azure services | Following MS Azure Services are supported:<br><br>■ MS Azure SQL Server 2014<br><br>  – Enhanced CWA Master and Client Manager to work with Azure SQL service as backend RDMS.<br><br>  – Support for JDBC Adapter.<br><br>  – Support for MSSQL Adapters.<br><br>■ MS Azure AD<br><br>  – Added support for Azure AD service for authentication from Master and Client Manager.<br><br>■ SendGrid Mail Service<br><br>  – Enhanced SMTP support with SSL and SMTP Authentication to support SendGrid Mail Service.<br><br>For more information, see the following guides:<br><br>  – *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.*<br><br>  – *Cisco Workload Automation JDBC Adapter Guide*<br><br>  – *Cisco Workload Automation Microsoft SQL Server Adapter Guide* |
| Support File Events for S3 storage | Introduced "AmazonS3" Event functionality which support the following operations for AmazonS3 event:<br><br>■ Move objects from source bucket to target bucket.<br><br>■ Delete the objects from the source bucket.<br><br>■ Copy the objects from source bucket to target bucket.<br><br>■ Rename objects.<br><br>■ Get object.<br><br>For more information, see *Cisco Workload Automation Amazon S3 Adapter Guide, Release 6.3.2.* |
| Integration with AWS Lambda: Trigger Lambda code as an Action from CWA | Trigger Lambda code as an action from CWA for Amazon S3 and Amazon EC2 connections.<br><br>For more information, see *Cisco Workload Automation Amazon EC2 Adapter Guide, Release 6.3.2. and Cisco Workload Automation Amazon S3 Adapter Guide, Release 6.3.2.* |

Key Features Additions, Enhancements, and Compatibility Updates

| Feature | Description |
|---------|-------------|
| Kerberos SSO authentication support for web client, Transporter, and CLI in Windows and Linux. | Allows the user to make single sign-on to web client, Transporter, and CLI with their windows credentials and authenticates the user against the AD/LDAP (KDC) configured domain.<br><br>For more information, see the following guides:<br><br>  – *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.*<br><br>  – *Cisco Workload Automation 6.3.2 Transporter User Guide*<br><br>  – *Cisco Workload Automation Command Line Program Guide* |
| Support SSL for all email actions | Added support to SSL enabled SMTP server configured to send mails through email action.<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2* and *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.* |
| Support for Authenticated SMTP | Added support to use valid/authenticated SMTP user address for sending emails when authentication is required, and to use Return user address when authentication is not required.<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2* and *Cisco Workload Automation Installation and Configuration Guide, Release 6.3.2.* |
| Support for Delay on Rerun action field | A **Delay on Rerun** field is provided in the Job Event Rerun Action so that the job can rerun by making a delay with the specified time under all circumstances without any manual intervention.<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2* |
| Support for variables in File Event functionality | An option is provided to specify the variables such as System, Job, Event, and Public variables for **Directory** and **File Mask** fields in the **File Event Definition** window.<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2* |

Key Features Additions, Enhancements, and Compatibility Updates

| Feature | Description |
|---|---|
| Enhancement to show object references | The **Where Used** option is added in the following screens to show the dependencies of particular object when the user selects the object:<br><br>■ **Connections** pane<br><br>■ **Connections** pane context menu<br><br>■ **Users** interface<br><br>■ **Users** context menu<br><br>■ **Workgroups** pane<br><br>■ **Workgroups** context menu<br><br>■ **Security Policies** pane<br><br>■ **Security Policies** context menu<br><br>■ **Jobs** pane<br><br>■ **Jobs** context menu<br><br>■ **Events** pane<br><br>■ **Events** context menu<br><br>■ **Variables** pane<br><br>■ **Variables** pane context menu<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2* |
| Enhancement to navigate from job definition history to Job Activity Console | Allows the user to check the status, audit log, overrides, and so on, from the job definition without switching to the Job Activity Console window.<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2.* |
| Enhancement to navigate from Job Activity Console to job definition | Introduced "View Job definition" button in the job run details pop-up window to view the job definition without navigating to Job Definition page.<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2.* |
| Web Scrolling performance improvement | Improved the scrolling performance in all the screens and drop-downs across the Webclient, to fetch the number of records based on the following parameters:<br><br>– GridScrollingDataFetchDelay<br><br>– GridRecordFetchPageSize<br><br>For more information, see *Cisco Workload Automation Performance and Tuning Guide, Release 6.3.2.* |
| Transporter Performance improvement | Optimized transporting of jobs associated with events and dependencies resulted in performance improvement. |

| Feature | Description |
|---|---|
| Search implementation | Added search functionality to narrow down the search results for the following screens:<br><br>■ User Definition – Runtime Users Tab<br><br>■ User Definition – Agents Tab<br><br>■ User Definition – Workgroups Tab<br><br>■ Workgroup Definition – Users Tab<br><br>■ Workgroup Definition – Groups Tab<br><br>■ Workgroup Definition – Runtime Users Tab<br><br>■ Workgroup Definition – Agents Tab<br><br>For more information, see *Cisco Workload Automation User Guide, Release 6.3.2.* |
| Compatibility updates | Added the following compatibility updates:<br><br>■ Adapter – SAP BOBI 4.2 SP4, OS 400 V7R3, and People Tools 8.56.<br><br>■ Operating System – OEL 7.3, RHEL 7.3, Cent OS 7.3, Solaris 11 (Agent only), and Ubuntu 16.04 LTS, 14.04.5 LTS (Agent only).<br><br>■ Browser – Firefox 56.<br><br>For more information, see *Cisco Workload Automation Compatibility Matrix for Release 6.2 and Later Releases.* |

# Open Caveats

This section lists the notable caveats that are still open in CWA 6.3.2 release. For a complete list of open caveats, refer to the section Using the Bug Search Tool.

**Note**: These caveats will be addressed in the monthly roll ups post 6.3.2 GA. Please check the README.txt files of latest roll up builds or contact TAC for updates.

**Table 1**

| Identifier | Description |
|---|---|
| CSCve26161 | Java Client takes long time to generate "All dependencies" report. |
| CSCvd71140 | Importing the same Cron jobs are allowed multiple times leading to creation of duplicate jobs in CWA. |
| CSCvd71143 | In Cron import, the **Job Owner** drop-down list should show only the owners who have job create permission. |
| CSCvd71146 | Complex Cron expressions with variables and multiple commands in a Cron are not supported. |
| CSCvb44005 | Runtime user specified in Sqoop job is not honored by MapR distribution when Master is installed on Windows. |
| CSCvb32447 | If the time of the Java Client is not synchronized with the Master, login is failed or data is not displayed. |
| CSCuz78089 | In the Java Client, the drop-down list does not show all the items in the first click of operation. |
| CSCvb15975 | Transporter CLI import fails on the non-graphical Linux systems. |
| CSCug70127 | In CWA installer, when the back button is clicked, the screens do not display the previous screens instead the screens displayed are not in order. |
| CSCve60657 | Occasionally, CWA master fails to install a copy of **msvcr71.dll**.<br><br>**Workaround:**<br><br>Copy **msvcr71.dll** or **msvcr100.dll** into the same directory as the **saMaster.exe** executable. |
| CSCve87470 | Variables in SFTP jobs are not transported.<br><br>**Workaround:**<br>Manually create the variables after transport. |
| CSCvf18663 | In the Java Client, reinserting multiple Broadcast agent jobs from future schedules in Job Activity Console leads to creation of duplicate records.<br><br>**Workaround:**<br><br>Insert jobs from Job Definition or insert one job run record from Job Activity Console. |
| CSCvg32448 | Runtime users are not loaded based on owner, retaining the old values.<br><br>**Workaround:**<br><br>Change the agent which will update the runtime users. |
| CSCvg51912 | Identifying the cloud platform information automatically while installing Master and Client Manager is not supported. |

**Table 1**

| Identifier | Description |
|---|---|
| CSCvg51948 | AWS – Database and existing database jobs are not supported in MSSQL adapter as AWS does not provide system admin privilege for users. |
| CSCvg51953 | Azure – Database and existing database jobs are not supported in MSSQL adapter as Azure does not support SQL Agent. |
| CSCvg60489 | Importing new jobs along with the dependent jobs sometimes fail, if there are more than one kind of dependencies attached to the job.<br><br>**Workaround:**<br><br>Import the same jobs again. |

# Resolved Caveats

This section lists the caveats that are resolved in the 6.3.2 train. For a complete list of resolved caveats, refer to the section Using the Bug Search Tool.

**Table 2**

| Identifier | Description |
|---|---|
| CSCvg04210 | Update the Webservice guide for new Oauth parameters. |
| CSCvf93452 | CWA 6.2.1 – WebClient Job definition breadcrumb is missing. |
| CSCvf89953 | Terminating WebClient user session with java client does not work. |
| CSCvf73513 | CWA – Documentation for SSL setup is missing in the Hive adapter guide. |
| CSCvf68455 | GridScrollingDataFetchDelay and GridRecordFetchPageSize lines are missing in the Performance Tuning Guide. |
| CSCvf56651 | Job groups are provided with **Revert to Schedule** option in GUI. |
| CSCve98659 | Creation of Oracle TESCache using **createcachedb-oracle.sql** script is not working. |
| CSCve93463 | In Master, jmx options are missing from jvmargs causing random port to be used for jconsole. |
| CSCve24679 | Job definition options agent outage allows blank value. |
| CSCve19326 | TES 6.3.0.191 – In the JavaClient, the 'Save All Output Files' option does not save all the output files in the OracleApps jobs. |
| CSCvc53151 | JC – Job start window times show hh:mm but store with nonzero value "ss". |
| CSCvb64751 | TES 6.2.1.530 – Does not warn about the jobs using a calendar outside its parent. |
| CSCva86489 | TES 6.2.1 – WebClient non-super user cannot jump from Schedules to JAC. |
| CSCva49003 | Unable to create custom System Time variable. |
| CSCva48420 | M – Installer starts master after **Finish** button during installation. |
| CSCuy72532 | WebClient does not display spaces in job group local variable value. |
| CSCux86847 | Client Manager installs mssql cache only using port 1433. |
| CSCur03264 | Cannot create TESCache and Admiral with a different database name during installation. |
| CSCts39242 | TES – Enhancement request for File Event functionality. |
| CSCvf59503 | TES – The Source column of the Operation logs are incorrect for many transported objects. |
| CSCve74885 | TES 6.2.1 – Transporter – Variable mapping issue. |
| CSCtz71346 | Change default tes-6.0 to tes-6.1 during CM installation. |

# Using the Bug Search Tool

Use the Bug Search tool to search for a specific caveat or to search for all caveats in a release.

Perform the following steps to search for a caveat.

1. Go to http://tools.cisco.com/bugsearch

2. At the Log In screen, enter your registered Cisco.com username and password and then click **Log In**. The Bug Search page opens.

   Note: If you do not have a Cisco.com username and password, you can register for them at http://tools.cisco.com/RPF/register/register.do.

3. To search for a specific caveat, enter the bug ID in the Search For field and press **Enter**.

4. To search for caveat in the current release:

   a. Click the **Select from list** link.

   The Select Product page is displayed.

   b. Choose **Products > Analytics and Automation Software > Data and Analytics Software > Cisco Workload Automation > Cisco Tidal Enterprise Adapter for IBM WebSphere DataStage** and click **OK**.

   c. When the search results are displayed, use the filter tools to find the types of caveat you are looking for. You can search for caveats by status, severity, modified date, and so forth.

   To export the results to a spreadsheet, click the **Export Results to Excel** link.

**Note**: To view the list of enhancements for Cisco IAC, search for bugs with Severity 6.

# Related Documentation

See the *Cisco Workload Automation 6.3.2 Documentation Overview* page for documentation information and a complete list of 6.3.2 documents.

# Accessibility Features in Cisco Workload Automation 6.3.2

All product documents are accessible except for images, graphics, and some charts. If you would like to receive the product documentation in audio format, braille, or large print, contact accessibility@cisco.com.

# Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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