



CISCO TIDAL ENTERPRISE SCHEDULER RELEASE NOTES V 6.1.0

These release notes highlight new features, enhancements and changes within Cisco Tidal Enterprise Scheduler™ (TES) v6.1.0. If you encounter any problems or have any questions, call either 650-475-4600 and select option "3" for support. You will be routed to the Cisco Customer Interaction Network, or CIN:

<http://www.cisco.com/CustAdv/ts/tso/globalops/gsde/CIN.shtml>

Upgrading from 6.0.x to 6.1.0

When upgrading from 6.0.x to 6.1.0, the data cache of the TES plugin (also called **DSP**) needs to be deleted and re-created. The Client Manager will automatically re-create the cache if the cache folder is deleted from the file system. The cache folder is named "cache" and is located under the TES plugin's root folder. The TES plugin's root folder is located under the **plugins** folder of the Client Manager's root folder. The name of the TES plugin's root folder depends on the name assigned to that plugin. For example, the cache folder of a plugin named "production" would be located under **{ClientManager Root Folder}/plugins/production/cache**.



Note When upgrading to TES 6.1 with SAP Event(s) or/and Queue(s) containing SAP Jobs (Intercepted) filters defined, post upgrade following steps must be performed:

SAP Interception

1. Select the **Create/Manage Interception Profile** option on the **Options>Profile** tab and specify the Interception Profile Name for every intercepting connection in TES.

The Interception will not work post upgrade unless the Create/Manage Interception Profile option is selected.

New Features

The following new features are included in this release of TES.

TES Mobile Client Application

The TES mobile client is a new software component that is available for download via the Apple App Store. The mobile client is compatible for TES 6.1.0 and requires network connectivity to the TES 6.1.0 client manager to function.

Hadoop Integration Support

TES 6.1.0 offers 4 new optional components to support Hadoop integration. MapReduce Adapter, Sqoop Adapter, Hive Adapter and the HDFS Data Mover.

Self Service Portal

TES 6.1.0 offers a new optional module to support self service portal interaction with TES managed business processes.

The Self-Service feature utilizes the Cisco Workplace Portal (newScale). The TES REST API performs the interaction between newScale and TES and leverages existing newScale capabilities for administering end-user security access, creation of catalogs and portal pages, and setting up and calling the exposed TES functions.

Cloud Resource Management

TES 6.1 offers an optional Adapter that will support management of Amazon EC2 and S3 resources. This module allows S3 data movement from a TES agent.

New Adapters

Sqoop

The Sqoop Adapter provides easy import and export of data from structured data stores such as relational databases, enterprise data warehouses, and NoSQL systems.

Amazon S3

The Amazon Simple Storage Service Adapter automates the execution of AmazonS3 jobs as a part of Enterprise Scheduler's managed process. It is an API-level integration solution.

Amazon EC2

The Elastic Compute Cloud (EC2) Adapter is an Amazon Web service that provides scalable compute-capacity in the cloud. Specifically, EC2 provides the ability to run virtual machine (VM) instances on Amazon's cloud infrastructure.

MapReduce

The MapReduce Adapter serves as the job client to automate the execution of MapReduce jobs as part of an Enterprise Scheduler managed process.



Note TIDAL Masters that use the Kerberos authentication system must have their internal clocks synchronized within a specified maximum amount of time (known as clock skew). This requirement provides another Kerberos security check. If the clock skew is exceeded between any of the participating hosts, client requests are rejected. The maximum clock skew is configurable, but typically defaulted to five minutes. Refer to Kerberos documentation for further details. Because maintaining synchronized clocks between the KDCs and Kerberos clients (TIDAL Masters) is important, you should use the Network Time Protocol (NTP) software or other similar time service tools to synchronize them.

HP OMU

The Cisco Tidal Enterprise Scheduler (TES) HP OMU Adapter provides support for HP OMU integration.

Hive

The Cisco Tidal Enterprise Scheduler (TES) Hive Adapter provides the automation of HiveQL commands as part of the cross-platform process organization between TES and the TES Hadoop Cluster. The Adapter is designed using the same user interface approach as other Enterprise Scheduler adapter jobs, seamlessly integrating Hadoop Hive data management into existing operation processes.

The Hive Adapter allows you to access and manage data stored in the Hadoop Distributed File System (HDFS™) using Hive's query language, HiveQL. HiveQL syntax is similar to SQL standard syntax.

The Hive Adapter, in conjunction with Enterprise Scheduler, can be used to define, launch, control, and monitor HiveQL commands submitted to Hive via JDBC on a scheduled basis. The Adapter integrates seamlessly in an enterprise scheduling environment.

DataMover

Based on the incorporation of Big Data and Cloud applications into Cisco Tidal Enterprise Scheduler (TES), Data Mover has been developed for data movement operations beyond the traditional FTP type movement. Additional data movement operation types have been included in the Agent, thus expanding the current FTP Service in the Agent into a Data Mover service. The Agent is the logical component for this functionality due to the fact that it has better 'locality of reference' to the data being moved.

Data Mover allows for data movement operations to be carried out that move data from customer local storage into and out of the Cloud Application space. Operations that move or manipulate data or its structure in the Cloud are not intended for the Data Mover as they do not have 'locality of reference' characteristics.

Release Notes

The current additional protocols that are supported are:

- ◆ Hadoop HDFS
- ◆ Amazon S3 (buckets)

Changes from 6.0.3 to 6.1.0

MS SQL

The MSSQL Adapter has been updated to support SQL Server 2012.

VMWare

The VMWare Adapter has been updated to support Vsphere 5.

Informatica

The Informatica Adapter has been certified to support PowerCenter release 9.5. Version 8.6.1 is no longer supported. Supported versions must be 9.0 and above.

BusinessObjects

BO 4 is now supported via the introduction of 2 new BusinessObjects Adapters. BODS and BOBIP Adapters exist to support BO release 4. If you are migrating from BO 3 to BO 4, you must migrate your configurations to use these new Adapters.

Expand All/Collapse All

"Expand all" and "Collapse all" expands/collapses ALL levels on the CURRENTLY selected group, respectively. "Expand selected" and "Collapse selected" expands/collapses ONE level on the currently selected group. Note, the behavior has changed from 5.3.1 where "Expand all" and "Collapse all" expands/collapses ALL levels for ALL groups, not just the currently selected group.

Enhancements

CSCub19980

Added support for SSL LDAP connection with Open LDAP.

CSCub99996

Enhanced client to support up/down key navigation within text edit fields

CSCua20872

Enhanced Cognos Adapter to browse subfolders under the Administration folder.

CSCtw95819

Extended email information support in PeopleSoft Adapter.

CSCua76827

Enhanced check to ensure job alias disallowed to be saved as empty.

CSCua48210

Enhanced job edit interface to only display agents available to TES workgroup when the workgroup is the job owner.

CSCtr50190

Enhanced "delete all" to delete all selected records.

CSCty77506

Introduced safety check on date change on master.

CSCts61514

Enhanced the SAP Adapter to allow specification of foreign language codes for ABAP programs.

CSCub85419

Extended grid search to retrieve children of job groups.

CSCub02625

Improved filtered searches for searching job activity data.

CSCub46623

Implemented support for pgup, pgdn, up, down arrow keys when using the TES Web client.

CSCub15971

Improved login handling where LDAP domain is null.

Release Notes

CSCts26411

Extended TES documentation for Web Services SOAP API guide.

CSCtz70686

Improved SSH Adapter handling for long running jobs.

CSCua47881

Improved between agent and job owner.

CSCtz81857

Added support for obtaining Oracle Apps output when using SSL configurations

CSCtz86863

Added link for PeopleSoft jobs that launches the PeopleSoft interface.

CSCtz73186

Improved actual duration reporting in the **Job Activity** pane.

CSCtr16038

Improved reporting of logged in connections in the **Master Status** pane.

CSCub02115

Added sort functionality for job events within the Job definition.

CSCua96913

Enhanced Web client to allow copy of the job name in the **Job Activity** dialog.

CSCtq78480

Improved handling of the Variable button when the focus is on Job Name.

CSCub99985

Implemented dialog resizing within the TES Web client.

CSCtu22548

Resolved null stack error while adding an event to a job.

CSCto97033

Added TES Email Adapter support for TLS encryption for user name and password.

CSCua82064

Added support for variable options for Web service jobs.

CSCub58633

Improved drop-down list sorting for TES client when the database cache is backed by Oracle.

CSCub72281

Added "Show Authorized Only" to User definition.

CSCtz33404

Improved controls to restrict access to runtime users.

CSCua47650

Implemented sorted agents feature in the Agent List definition.

CSCtz54148

Improved status reporting for job groups when using agent timezones.

CSCua63399

Improved support for loading WSDL files.

CSCua41762

Improved handling of agent during scheduled outage.

CSCua61443

Implemented local variables option for Microsoft SQL jobs.

CSCub72243

Implemented sorting feature for the client interface drop-down lists.

CSCua66296

Removed ability to delete the Easter calendar.

Fixed Bugs

CSCzo26150

TES Agent does not resume processing upon end of outage window during DST weekend.

CSCtz24660

Informatica Adapter does not allow modifications to the JDBC override string and database port values.

CSCtz84110

Fixed reporting of invalid dependency loop when adding a job dependency.

CSCtz73734

PeopleSoft jobs not upgraded properly during TES 5 to TES 6 upgrade - '&' characters added to job definition.

CSCtz55998

Crystal process of PSJOB launching against a PSUNX connection resulted in job abends.

CSCua61100

TES Super Users unable to manage job queue filters for other users.

CSCub68521

Repeating groups or jobs stop at midnight when configured using job-based timezones.

CSCub48947

TES user sessions do not time out after 30 minutes of inactivity.

CSCto81606

Date format loses last digit when no separator is specified in definition.

CSCua48275

User with "Control All" rights unable to insert a job for execution.

CSCub14608

User unable to add job queue and log file options for OpenVMS job types.

CSCua74602

During job definition, an invalid runtime user can be selected.

CSCua09917

Group names with a space not displayed within search results.

CSCub70558

Using job based timezones, some jobs may not display in current day schedule display.

CSCua93453

Active count on agent/adaptor not decremented properly if job status is changed manually.

CSCub46247

Resolved issue where transported MS SQL jobs were inaccessible.

CSCua94144

Resolved issue where the runtime user value is switched to default runtime user when editing a job.

CSCtr69079

Resolved issue preventing connections from being deleted.

CSCub83151

Resolved issue when accessing a transported Web service action.

CSCub14605

Resolved display order of OpenVMS job arguments .

Release Notes

CSCub28875

TES workgroup member unable to insert job for execution.

CSCua66132

Transporter unable to retrieve a job list if the **Description** field contains the **control-A** character.

CSCua79728

Resolved issue where **Output** tab contents were not displayed due to invalid XML characters.

CSCub79939

Resolved Timezone Master Offset calculation for Arizona.

CSCub61793

Resolved issue where SSH jobs go into a “Completed Abnormally” state when the agent disconnects.

CSCub63767

Resolved issue where a disabled variable event not displaying in the **Event Activity** pane.

CSCtz70686

Improved SSH Adapter handling for long running jobs.

CSCua47881

Improved linkage from displayed agents to the selected job owner.

CSCub19429

Resolved issue where TES Job Class is dropped when its Job Group name changes.

CSCub76188

Resolved issue where **sacmd** was unable to disable a Peoplesoft connection.

CSCua05647

Resolved issue of job group unable to be expanded when filter by group ID.

CSCtz59567

Resolved issue where jobs are not displayed in the **Job Activity** pane when filtering by Group.

CSCts40899

Resolved issue of jobs not triggering from an event.

CSCtu22548

Resolved issue where null stack error occurs while adding an event to a job.

CSCub66499

Resolved redundant TES popup messages when using agent lists.

CSCub46862

Resolved issue so that scroll bar is re-adjusted when list is sorted.

CSCtz74212

Fixed issue where user has Security policy to edit workgroups but unable see existing workgroups

CSCua50558

Fixed issue of LDAP group member not being provided proper access to jobs owned by associated TES workgroups

CSCtq58122

Resolved cosmetic issue with Do Not Time Out vs. Run Again Tomorrow checkboxes

CSCtr70695

Resolved issue where TES **SACMD** encountered a java IO error when referencing a network path.

CSCtu00550

Resolved issue where TES/Job Event using specified exit code was not triggering alert.

CSCua74215

Resolved issue where TES 6.0.3\SACMD JobMon command was failing.

Release Notes

CSCub51175

Resolved issue related to handling of disabled connection and connection status reporting.

CSCtu24677

Addressed issue where MS SQL jobs may be imported with unknown type.

CSCto97520

Resolved issue where user could not override start and end time in JAC.

CSCub00561

Resolved issue where TES / Workgroup security was elevated for all workgroups memberships.