Cisco Workload Automation 6.3.1 Patch Installation Guide

Version 6.3.1

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Preface

This guide describes how to patch Cisco Workload Automation (CWA) 6.3.1 on Windows and UNIX machines using automated scripts (sometimes referred to as “mini-installers”). It also describes how to manually patch CWA 6.3.1 using the command line.

See the *Cisco Workload Automation Installation Guide* for comprehensive documentation on the full installation and configuration of each CWA components using the installers provided with the base product.

Audience

This guide is for administrators who install and configure CWA patches and hot fixes, and who troubleshoot CWA installation and configuration issues.

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You can access the list of all Cisco Workload Automation guides on Cisco.com at:

http://www.cisco.com/c/en/us/support/cloud-systems-management/tidal-enterprise-scheduler/products-documentation-roadmaps-list.html

Document Change History

The table below provides the revision history for the *Cisco Workload Automation 6.3.1 Patch Installation Guide*.

Version Number	Issue Date	Reason for Change
6.3.1	May 2017	New guide that describes how to apply 6.3.1 patch using the automated scripts provided for Windows and UNIX, or alternatively how to manually patch CWA.

Document Change History

1

Windows 6.3.1 Patch Installation

Overview

This chapter describes the automated process (sometimes called the mini-installer) to patch CWA 6.3.0 to CWA 6.3.1. This patch process explains how to backup the existing files and run the script to perform the patch. ADMIN access is required to perform the patch update.

To perform this patch manually instead of using the scripts, see the Manually Patching CWA 6.3.1 chapter.

The CWA Java Client Web interface is updated as part of the CWA Master patch process described below. To learn how to update the standalone CWA Java Client, see Patching the Standalone CWA Java Client Application.

Note: For complete installation and configuration instructions for all CWA components, see the *Cisco Workload Automation Installation Guide*.

Requirements

CWA 6.3.0 is mandatory to patch into 6.3.1 using CWA 6.3.1 patch installer.

Note: Upgrading to 6.3.1 is also possible using CWA 6.3.1 installer from version 6.3.0. For complete installation and configuration instructions for all CWA components, see the *Cisco Workload Automation Installation Guide*.

Pre-Installation Steps

Follow the below procedures to prepare the Master and Client Manager for the patch installation on Windows.

To prepare the Master before running the patch installer:

1. Stop the Master service before running the patch installer.
2. Note that during installation:

- A backup folder will be created inside the same directory from where the installer runs and the following Master directories will be backed up: “services”, “lib”, and “webapps”.
- An installer log file will be created inside the aforementioned backup directory.

To prepare the Client Manager before running the patch installer:

1. Stop the Client Manager service before running the patch installer.
2. Note that during installation:

- A backup folder will be created inside the same directory from where the installer runs and the following Client Manager directories will be backed up: “cache”, “config”, “lib”, and “webapps”.

- An installer log file will be created inside the aforementioned backup directory.
- The following folder will be deleted: “plugins”.

Running the Patch Installer

Follow the below procedures to run the patch installer for the Master and Client Manager.

To run the patch installer for the Master:

1. Locate the files **installScheduler.vbs** and **installScheduler.bat** in the folder:

   <Cisco_Workload_Automation_6.3.1_Patch_Installer_Release>\master.

2. Run the install script using either of the following methods:

   a. Click on **installScheduler.bat**.

   OR

   b. Open a command prompt and change the directory to where **installScheduler.vbs** is located. Type any one of the following commands and press the “ENTER” key:

   – “**installScheduler.vbs**” (invokes the script in default mode)

   – “**cscript.exe installScheduler.vbs**” (invokes the script in console mode)

   – “**wscript.exe installScheduler.vbs**” (invokes the script in GUI mode)

   Note: For more information on the different modes in which the script can run, refer to:

   http://technet.microsoft.com/en-us/library/ee156587.aspx

3. When prompted, provide the CWA Master installed path so that the existing files can be backed up and new files installed.

To run the patch installer for the Client Manager:

1. Locate the files **installCM.bat** and **installCM.vbs** in the folder:

   <Cisco_Workload_Automation_6.3.1_Patch_Installer_Release>\cm.

2. Run the install script using either of the following methods:

   a. Click on **installCM.bat**.

   OR

   b. Open a command prompt and change the directory to where **installCM.vbs** is located. Type any one of the following commands and press the “ENTER” key:

   – “**installCM.vbs**” (invokes the script in default mode)

   – “**cscript.exe installCM.vbs**” (invokes the script in console mode)

   – “**wscript.exe installCM.vbs**” (invokes the script in GUI mode)

   Note: For more information on the different modes in which the script can run, refer to:

   http://technet.microsoft.com/en-us/library/ee156587.aspx

3. When prompted, provide the CWA Client Manager installed path so that existing files can be backed up and new files installed.

Note: Cisco_Workload_Automation_6.3.1_Patch_Installer_Release refers to the patch directory downloaded from CISCO.COM at:

https://software.cisco.com/download/release.html?mdfid=283340354&softwareid=283343734&release=6.3.1&relind=AVAILABLE&rellifecycle=&reltype=latest

Patching the Standalone CWA Java Client Application

The CWA Java Client Web interface is updated as part of this CWA Master patch process. However, if you are using the standalone CWA Java Client application, you can update it by manually patching the standalone CWA Java Client application. Follow the instructions in Manually Patching the 6.3.1 Build CWA Java Client.

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UNIX 6.3.1 Patch Installation

Overview

This chapter describes the automated process (sometimes called the mini-installer) to patch CWA 6.3.0 to CWA 6.3.1 on UNIX. This patch process explains how to backup the existing files and run the script to perform the patch. ROOT access is required to perform the patch update.

To perform this patch manually instead of using the scripts, see the Manually Patching CWA 6.3.1 chapter.

The CWA Java Client Web interface is updated as part of the CWA Master patch process described below. To learn how to update the standalone CWA Java Client, see Patching the Standalone CWA Java Client Application.

Note: For complete installation and configuration instructions for all CWA components, see the *Cisco Workload Automation Installation Guide*.

Requirements

CWA 6.3.0 is mandatory to patch into 6.3.1 using CWA 6.3.1 patch installer.

Note: Upgrading to 6.3.1 is also possible using CWA 6.3.1 installer from version 6.3.0. For complete installation and configuration instructions for all CWA components, see the *Cisco Workload Automation Installation Guide*.

Pre-Installation Steps

Follow the below procedures to prepare the Master and Client Manager for the patch installation on UNIX.

To prepare the Master before running the patch installer:

1. Stop the Master service before running the patch installer.
2. Note that during installation:

- A backup folder will be created inside the same directory from where the installer runs and the following Master directories will be backed up: “services”, “lib”, and “webapps”.
- An installer log file will be created inside the aforementioned backup directory.

To prepare the Client Manager before running the patch installer:

1. Stop the Client Manager service before running the patch installer.
2. Note that during installation:

- A backup folder will be created inside the same directory from where the installer runs and the following Client Manager directories will be backed up: “cache”, “config”, “lib”, and “webapps”.

- An installer log file will be created inside the aforementioned backup directory.

Running the Patch Installer

Follow the below procedures below to run the patch installer for the Master and Client Manager on UNIX.

To run the patch installer for the Master:

1. Locate the file **install_master.sh** in the directory:

   <Cisco_Workload_Automation_6.3.1_Patch_Installer_Release>\master.

2. Run the install script using "**./install_master.sh**" command.

3. When prompted, provide the CWA Master installed path so that the existing files can be backed up and new files installed.

To run the patch installer for the Client Manager:

1. Locate the file **install_cm.sh** in the directory:

   <Cisco_Workload_Automation_6.3.1_Patch_Installer_Release>\cm.

2. Run the install script using "**./install_cm.sh**" command.

3. When prompted, provide the CWA Client Manager installed path so that existing files can be backed up and new files installed.

Note: Cisco_Workload_Automation_6.3.1_Patch_Installer_Release refers to the patch directory downloaded from CISCO.COM at:

https://software.cisco.com/download/release.html?mdfid=283340354&softwareid=283343734&release=6.3.1&relind=AVAILABLE&rellifecycle=&reltype=latest

Patching the Standalone CWA Java Client Application

The CWA Java Client Web interface is updated as part of this CWA Master patch process. However, if you are using the standalone CWA Java Client application, you can update it by manually patching the standalone CWA Java Client application. Follow the instructions in Manually Patching the 6.3.1 Build CWA Java Client.

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Manually Patching CWA 6.3.1

Overview

This chapter describes how to manually apply the CWA 6.3.1 patch on top of CWA 6.3.0. Specific instructions are provided for the CWA Master, the Client Manager, and the CWA Java Client.

To use automated scripts to patch CWA 6.3.1, see the following chapters:

- Chapter 1, “Windows 6.3.1 Patch Installation,”
- Chapter 2, “UNIX 6.3.1 Patch Installation,”

Requirements

CWA 6.3.0 is mandatory to patch into 6.3.1 using CWA 6.3.1 patch installer.

Note: Upgrading to 6.3.1 is also possible using CWA 6.3.1 installer from version 6.3.0. For complete installation and configuration instructions for all CWA components, please see the *Cisco Workload Automation Installation Guide*.

Manually Patching the CWA Master

In the text below, MASTER_INSTALLED_DIR refers to the path where the master is installed on your operating system. For example:

Windows

```
C:\Program Files\TIDAL\Scheduler\
```

UNIX

```
/opt/TIDAL/master
```

Note: Cisco_Workload_Automation_6.3.1_Patch_Installer_Release refers to the patch directory downloaded from CISCO.COM at:

https://software.cisco.com/download/release.html?mdfid=283340354&softwareid=283343734&release=6.3.1&relind=AVAILABLE&rellifecycle=&reltype=latest

To patch the CWA Master:

1. Stop the Master service.
2. Backup the adapter configuration files as follows:

- Copy and backup MASTER_INSTALLED_DIR\Master\Services\YOUR SPECIFIC ADAPTER GUIDE FOLDER\Config.

For example, if you are licensed for an SAP Adapter, copy and backup:

Windows

```
C:\Program Files\TIDAL\Scheduler\Master\services\{51C57049-3215-44b7-ABE1-C012FF786010}\config
```

UNIX

```
/opt/TIDAL/master/services/{51C57049-3215-44b7-ABE1-C012FF786010}\config
```

3. Copy your specific .pkg adapter files from <Cisco_Workload_Automation_6.3.1_Patch_Installer_Release>\master\ to MASTER_INSTALLED_DIR\Master\config.

   UNIX example:

   ```
   /opt/TIDAL/master/config
   ```

4. Copy “scheduler.jar”, “adapterhost.jar” from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\master\ to MASTER_INSTALLED_DIR\Master\lib.

   UNIX example:

   ```
   /opt/TIDAL/master/lib/
   ```

5. Copy “tesclient.war” from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\master\ to MASTER_INSTALLED_DIR\Master\webapps.

   UNIX example:

   ```
   /opt/TIDAL/master/webapps/
   ```

6. Start the Master service.

7. Check for the adapter version you are patching using either the CWA Web Client or the CWA Java Client. If the version is not shown correctly, follow the troubleshooting instructions in Troubleshooting Missing Adapters after Patching.

Manually Patching the CWA Backup Master

In the text below, the BACKUP_MASTER_INSTALLED_DIR refers to the path where the master is installed on your operating system.

For example:

For Windows

```
C:\Program Files\TIDAL\Scheduler\
```

For Unix

```
/opt/TIDAL/master
```

Note: Cisco_Workload_Automation_6.3.1_Patch_Installer_Release refers to the patch directory downloaded from Cisco.com at:

https://software.cisco.com/download/release.html?mdfid=283340354&softwareid=283343734&release=6.3.1&relind=AVAILABLE&rellifecycle=&reltype=latest

To patch the CWA Backup Master:

1. Stop the Backup Master service.

2. Copy “scheduler.jar from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\master\ into MASTER_INSTALLED_DIR\Master\lib.
3. Update the mail.jar location in CLASSPATH in the master.props file as given below, after the CWA Master patching.

For Windows

```
{TIDAL_HOME}\lib\mail.jar;
```

For Unix

```
${TIDAL_HOME}/lib/mail.jar:
```

4. Start the Backup Master service.

Manually Patching the CWA Fault Monitor

In the text below, FAULT_MONITORINSTALLED_DIR refers to the path where the master is installed on your operating system.
For example:

For Windows

```
C:\Program Files\TIDAL\Scheduler\
```

For UNIX

```
/opt/TIDAL/master
```

Note: Cisco_Workload_Automation_6.3.1_Patch_Installer_Release refers to the patch directory downloaded from Cisco.com at:

https://software.cisco.com/download/release.html?mdfid=283340354&softwareid=283343734&release=6.3.1&relind=AVAILABLE&rellifecycle=&reltype=latest

To patch the CWA Fault Monitor:

1. Stop the Fault Monitor service.
2. Copy “scheduler.jar from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\master\ into MASTER_INSTALLED_DIR\Master\lib.
3. Start the Fault Monitor service.

Troubleshooting Missing Adapters after Patching

To troubleshoot the patch if an adapter does not appear in your CWA Client:

1. Stop the Master service.
2. Backup the adapter configuration files (if present) following the instructions in Manually Patching the CWA Master.
3. Delete the specific adapter guide folder at

   MASTER_INSTALLED_DIR\Master\Services\ADAPTER_GUID_FOLDER as well as the .pkg file in MASTER_INSTALLED_DIR\Master\Config.
4. If the \Config folder mentioned in step #3 above exists, restore the same inside MASTER_INSTALLED_DIR\Master\Services\ADAPTER_GUID_FOLDER.

5. Start the Master service

Manually Patching the CWA Client Manager

In the text below, CM_INSTALLED_DIR refers to the path where the Client Manager is installed on your operating system. For example:

Windows

```
C:\Program Files\TIDAL\ClientManager\
```

UNIX

```
/opt/TIDAL/ClientManager
```

Note: Cisco_Workload_Automation_6.3.1_Patch_Installer_Release refers to the patch directory downloaded from CISCO.COM at:

https://software.cisco.com/download/release.html?mdfid=283340354&softwareid=283343734&release=6.3.1&relind=AVAILABLE&rellifecycle=&reltype=latest

Patching the 6.3.1 Build Client Manager

To patch the Client Manager on top of CWA 6.3.0 GA build:

1. Stop the Client Manager service.
2. Delete the directory named “plugins” present inside CM_INSTALLED_DIR.
3. Delete all files inside CM_INSTALLED_DIR\webapps directory.
4. Copy “client.war” from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\cm to CM_INSTALLED_DIR\webapps.
5. Copy the files below from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\cm to CM_INSTALLED_DIR\cache\tes-6.0.0.0:
   - tes-6.0.0.0.war
   - tes-6.0.0.0.jar
6. Copy the files below from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\cm to CM_INSTALLED_DIR\lib:
   - ClientManager.jar
   - activemq-all.jar
   - activemq-web.jar
   - derby.jar
   - derbyclient.jar
   - derbynet.jar
   - httpcore-4.2.jar
   - httpclient-4.2.6.jar
7. Start the Client Manager service.

8. Clear your browser's cache before accessing the Web Client.

Manually Patching the 6.3.1 Build CWA Java Client

This section explains the process to patch the standalone CWA Java Client application. The Java Client that uses the Web interface is patched when you patch the CWA Master.

To patch the CWA Java Client on top of 6.3.0 build:

1. Stop the CWA Java Client.
2. Backup the existing “Framework.jar, SchedulerApi.jar and tesclient.jar” present inside CWAClient_INSTALLED_DIR\lib.

   Windows Example:

   ```
   “C:\Program Files\TIDAL\TES Java Client\lib”
   ```

3. Copy “Framework.jar, SchedulerApi.jar, and tesclient.jar” from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\ tesclient to CWAClient_INSTALLED_DIR\lib.

   Windows Example:

   ```
   “C:\Program File\TIDAL\TES Java Client\lib”
   ```

4. Start the CWA Java Client.

Manually Patching the 6.3.1 Build CWA Transporter

This section explains the process to patch the CWA Transporter application.

To patch the CWA Transporter on top of 6.3.0 build:

1. Close the CWA Transporter window.
2. Backup the existing " Transporter.jar”, present inside the CWATransporter_INSTALLED_DIR\lib.
3. Copy " Transporter.jar" from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\Others to CWATransporter_INSTALLED_DIR\lib.

   Example path:

   ```
   "C:\Program Files\TIDAL\Transporter\lib"
   ```

4. Open Transporter.

Manually Patching the 6.3.1 Build CWA TES Command Line

This section explains the process to patch the CWA TESCmdLine application.

To patch the CWA TESCmdLine on top of 6.3.0 build:

1. Close the CWA TESCmdLine window.
2. Backup the existing " TESCmdLine.jar”, present inside the CWATESCmdLine_INSTALLED_DIR\lib.
3. Copy " TESCmdLine.jar" from Cisco_Workload_Automation_6.3.1_Patch_Installer_Release\Others to CWATESCmdLine_INSTALLED_DIR\lib.

   Example path:

```
"C:\Program Files\TIDAL\TESCmdLine\lib"
```

4. Open TESCmdLine.

Manually Patching the 6.3.1 Build CWA TES Command Line