



Cisco Videoscape Conductor 2.1 Release Note

Introduction

This release note provides information for Cisco® Videoscape™ Conductor 2.1, a minor software release.

Release Details

This section lists component version numbers and other details verified for this release.

Release Type:	Official Minor Release
Release Version:	Conductor 2.1
Hardware Platform:	Minimum hardware configuration supported: ■ 96 GB RAM ■ 2 Processors (CPUs) (X5680 or faster) ■ 2 x 500 GB hard drives For more information, see <i>Hardware Requirements</i> (on page 2).
Virtual Machine Platform:	VMWare ESXi5.0
OS Name:	Videoscape-OS (VS-OS)
OS Version:	2.1
Conductor Management Console (CMC) Version:	CMC 2.1
CMC High Availability (HA) Configuration:	1:1 Active/Standby
Data Storage:	SQL DB (PostgreSQL 9.1/ Oracle 11g) Couchbase 2.1
Message Infrastructure:	MsgInfra (XCP-XMPP) 2.1

Conductor Software

Supported Services:	Alert Manager 2.1 Client Directory 2.1 Companion Device 2.1 Endpoint Manager 2.1 GeoFilter Service 2.1 HTTP Gateway 2.1 Operator Messaging 2.1 Session Resource Manager (SRM) 2.1 Simple Authentication and Security Layer (SASL) 2.1 Workflow Engine (WFE) 2.1
Supported browsers:	Internet Explorer 9 (IE8 compatibility mode) Mozilla FireFox 5

Hardware Requirements

Conductor software version 2.1 has been tested on the following hardware platforms:

- UCS C-Series:
 - C200 (M2)
 - C210 (M2)
 - C220 (M3)
 - C240 (M3)
- UCS B-Series:
 - B200 (M2)
 - B200 (M3)

Installation

See the following publication for installation information for this release:

Getting Started Guide for Cisco Conductor (OL-27702)

Document Version

This is the first formal release of this document.

Conductor Software

Cisco's Conductor software provides service providers with multi-platform device and service management capabilities. Conductor is standards-based, extensible, and provides real-time, cross-platform capabilities previously unavailable in video environments. Conductor provides asynchronous real-time messaging and presence awareness for clients, such as set-tops, Apple iOS devices, Android devices, and PCs, from the cloud.

Conductor also provides a comprehensive set of tools and software development kits (SDKs) for service development and integration. In addition, Conductor provides a comprehensive management console and supports running in a virtual machine (VM) on the Cisco Unified Computing System (UCS).

Conductor Features

The following features were introduced in previous versions of Conductor software and are carried forward in Conductor software version 2.1.

Conductor Client SDKs

Conductor provides software development kits (SDKs) for the Conductor client and services.

Conductor Services

Conductor provides the following services for the Videoscape platform.

Alert Manager Service

The Cisco Alert Manager service supports the use of emergency alert messages (EAMs) required by the Federal Communications Commission (FCC), the National Weather Service, and national and local authorities. These messages include regular tests of the Emergency Alert System (EAS), as well as messages that warn of dangerous conditions such as thunderstorms, floods, tornadoes, hurricanes, and earthquakes. By conducting weekly and monthly tests of the EAS, service providers ensure the reliability of their EAS equipment so that subscribers can receive national, state, and local warning messages about emergency situations. Properly configuring, maintaining, and testing a system lets service providers follow FCC regulations by receiving and then sending EAMs to subscribers through a correctly configured and fully automatic EAS process.

Client Directory Service

The Client Directory service provides storage and a consistent interface for information about users, devices, and accounts – and their relationships to each other.

Conductor Software

Endpoint Manager Service

The Cisco Endpoint Manager (EPM) service defines a Multi-platform Video Client Management System. The EPM subsystem provides a central control point for all application software that is compatible with the Videoscape platform. It also provides a central control point to manage all devices, including debugging, logging, and monitoring devices.

SASL Service

The Simple Authentication and Security Layer (SASL) service allows service providers to integrate a third-party-created plug-in into the Conductor system.

SRM Service

The Cisco Session Resource Manager (SRM) service provides sessions and resources that enable clients to gain access to Videoscape services, such as video.

GeoFilter Service

GeoFilter service uses a Quova Geolocation server and a Service Delivery Framework (SDF) server to determine whether or not a user is allowed to view content. Ability to access content is based on the user's location and on pre-configured business rules.

Workflow Engine

The Cisco Conductor Workflow Engine service allows complex tasks to be performed by executing "workflows," each of which defines a series of steps to perform when a specific URL is invoked.

New Features and Benefits

Conductor software version 2.1 provides the following new features and benefits.

Operator Messaging Service

Operator Messaging service allows the operator to publish real-time messaging to a group of users and devices or to a specific user and device. Examples of these messages include new business information updates, promotions, advertisements, emergency alerts, and billing. Examples of devices include a managed device, such as a set-top box, as well as unmanaged devices, such as a phone, tablet, or desktop PC.

Companion Device Management Service

Companion Device Management supports sign-on, registration, activation of users and devices, and access to Videoscape services for devices resident in the subscriber network.

HTTP Gateway Service

HTTP Gateway service enables an http client to invoke the Conductor service.

BSS/OSS Adapter

The Business Support System/Operational Support System (BSS/OSS) adapter provides a unified interface to back-end subscriber and billing systems typical of subscription-based service provider deployments. Because the BSS/OSS adapter is attached to the messaging fabric, the adapter can be co-located with the back-end systems in question. This eliminates the need for a separate billing system interface for each head-end control system.

Corrected Issues

This section provides a summary of resolved, verified, and closed CDETS defect IDs that have been corrected in Conductor software version 2.1. These have been implemented since Conductor software version 2.0 was released.

Defect ID	Headline
CSCtx28514	jabberd:sometimes NC register failed when network disconnected over 30s
CSCua21529	EPM - Couchbase issue is not allowing MAX limit to be observed
CSCua48649	AAA:add AAA server when db offline cause list page unaccess after recov
CSCua36546	AAA:List of RADIUS or TACACS servers are disorder
CSCua49004	ClientDirectory: Pubsub can't publish all messages.
CSCub26197	AAA:local auth should not success when RADIUS/TACACS server online
CSCub30975	GUI:troubleshoot button not work on events page
CSCub38836	CLI: Show network related commands can't be executed by level 0 user

Known Issues

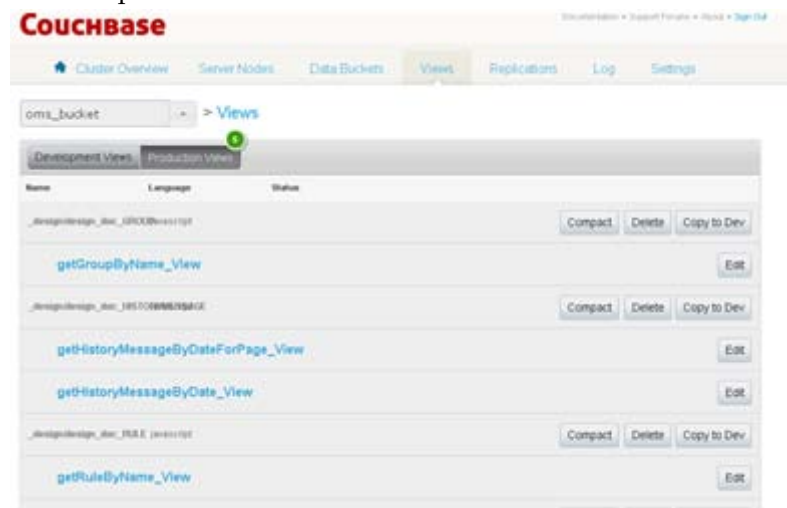
This section provides a list of open CDETS defect IDs that were identified during testing of Conductor 2.1. Resolution of these defects is in progress.

This list is not intended to be comprehensive. If you have questions about a particular defect, contact your account representative.

Notes:

- Defects are identified by a case tracking number (Defect ID) and a headline that briefly identifies the case.
- The headlines in this section are presented exactly as they appear in the issue tracking system.

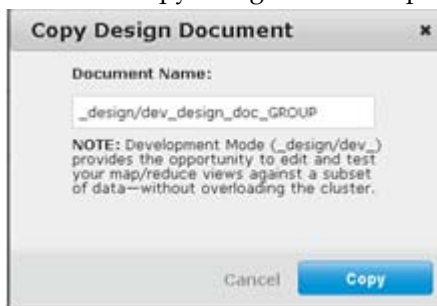
Defect ID	Headline
CSCua77739	Component Overload coredump because XCP has no protection mechanism Workaround not required: Following a core dump, the node controller will launch jabberd.
CSCuc81345	CDB:after add cdb node back and rebalance completed,oms will loss data Workaround: Use the following instructions to correct the rebalance issue experienced after a node is added back or after a new node is added to the Couchbase cluster. 1 From the Couchbase window, select Views > Production Views to list all production documents.



- 2 Select the first document and click **Copy to Dev**.

Known Issues

- When the Copy Design window opens, click **Copy**.



- When prompted to confirm, click **OK** to confirm and close the window.



- When the Couchbase window appears with the Development Views menu enabled, click **Publish**.



- When the Confirm Publishing window appears, click **Confirm**.



- For each document in this bucket, repeat steps 2 to 6.
- If there are other buckets, change to one of the buckets and repeat steps 2-7 for each design document in that bucket.



Defect ID	Headline
CSCuc08285	MHA:Some functionality button on CMC does not work after HA operations Workaround: To resolve this issue, log out and then log back in again.
CSCuc58740	EPM REST - Image name should be unique. Workaround: Do not enter duplicate image names.
CSCuc82936	CMC: incorrect Service Version in Monitoring Dashboard
CSCuc88012	CD: No account user/device operation rights isn't correct
CSCuc94911	CD: Default user can add device from other account
CSCud00279	CPC: Lots of duplicated trap were received after bootstrap router reboot Workaround: Reset the node.
CSCud06431	Jabberd:Jabberd core seldom during jload3 test when jabberd shutdown Workaround not required: Following a core dump, jabberd will be launched by the node controller, and no traffic will be affected.
CSCud08280	EPM - Uninstall of EPM cop file from the CMC UI fails Workaround: Do not perform an uninstall. If an uninstall is preformed, contact Cisco Services for further instructions.

Bug Toolkit

The Bug Toolkit is an online tool that allows registered users to search for bugs by release or by a bug number.

Log On to the Bug Toolkit

Follow these instructions to log on to the Bug Toolkit. After you have logged on, you can search for all bugs in this release, search for a specific bug or search, for bugs using specific criteria.

- 1 Go to http://www.cisco.com/cgi-bin/Support/Bugtool/launch_bugtool.pl.
- 2 When prompted, log on with your user name and password. The Bug Toolkit page opens.

Note: If you have not set up an account on Cisco.com, click **Register Now** and follow the on-screen instructions to register.

Search for All Bugs in This Release

- 1 To search for all the bugs in this release, enter the following search criteria in the **Search Bugs** tab:
 - Select Product Category: Select **Video and Content Delivery**.
 - Select Products: Select **Cisco Videoscape Conductor**.
 - Software Version: Select the desired software version number.
- 2 Click **Search**. The Bug Toolkit displays the list of bugs for this release.

Search for a Specific Bug

- 1 In the **Search for Bug ID** field, enter the ID of the bug you want to view and click **Go**.
- 2 The Bug Toolkit displays information about the bug in the **Search Bugs** tab.

Search for Bugs Using Specific Criteria

- 1 To search for all the bugs in this release, enter the following search criteria in the **Search Bugs** tab:
 - Select Product Category: Select **Video and Content Delivery**.
 - Select Products: Select **Cisco Videoscape Conductor**.
 - Software Version: Select the desired software version number.
 - Select Version Type: Select one of the following options:
 - **Known Affected Version (KAV):** the software version/release assumed to contain this bug
 - **Fixed-in:** the software version/release in which the bug has been fixed
 - **Found-in:** the software version/release in which the bug was first reported

- Search for Keyword(s): Enter desired key words in this field. Separate search phrases with Boolean expressions (**AND**, **NOT**, **OR**) to search within the bug title and details.
 - Advanced Options: You can perform a search using the default search criteria, or define custom criteria for an advanced search. To customize the advanced search, select **Use custom settings for severity, status, and others** and provide the following information:
 - Severity –Select the severity level.
 - Status –Select any combination of **Terminated**, **Open**, or **Fixed**.
 - Select **Terminated** to view terminated bugs. To filter terminated bugs, clear the Terminated check box and select the appropriate sub-options that appear below the terminated check box. The sub-options are **Closed**, **Junked**, and **Unreproducible**.
 - Select **Open** to view all the open bugs. To filter the open bugs, clear the Open check box and select the appropriate sub-options that appear below the Open check box. The sub-options are **Assigned**, **Forwarded**, **Held**, **Information Required**, **More**, **New**, **Open**, **Postponed**, **Submitted**, and **Waiting**. Select multiple sub-options as required.
 - Select **Fixed** to view fixed bugs. To filter fixed bugs, clear the Fixed check box and select the appropriate sub-options that appear below the fixed check box. The sub-options are **Resolved** and **Verified**.
 - Advanced –Select the **Show only bugs containing bug details** check box to view only those bugs that contain detailed information, such as symptoms and workarounds.
 - Modified Date –Select this option if you want to filter bugs by the date they were last modified.
 - Results Displayed Per Page –Select the appropriate option from the list to restrict the number of results that appear per page
- 2 Click **Search**. The Bug Toolkit displays the list of bugs for this release.

For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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