

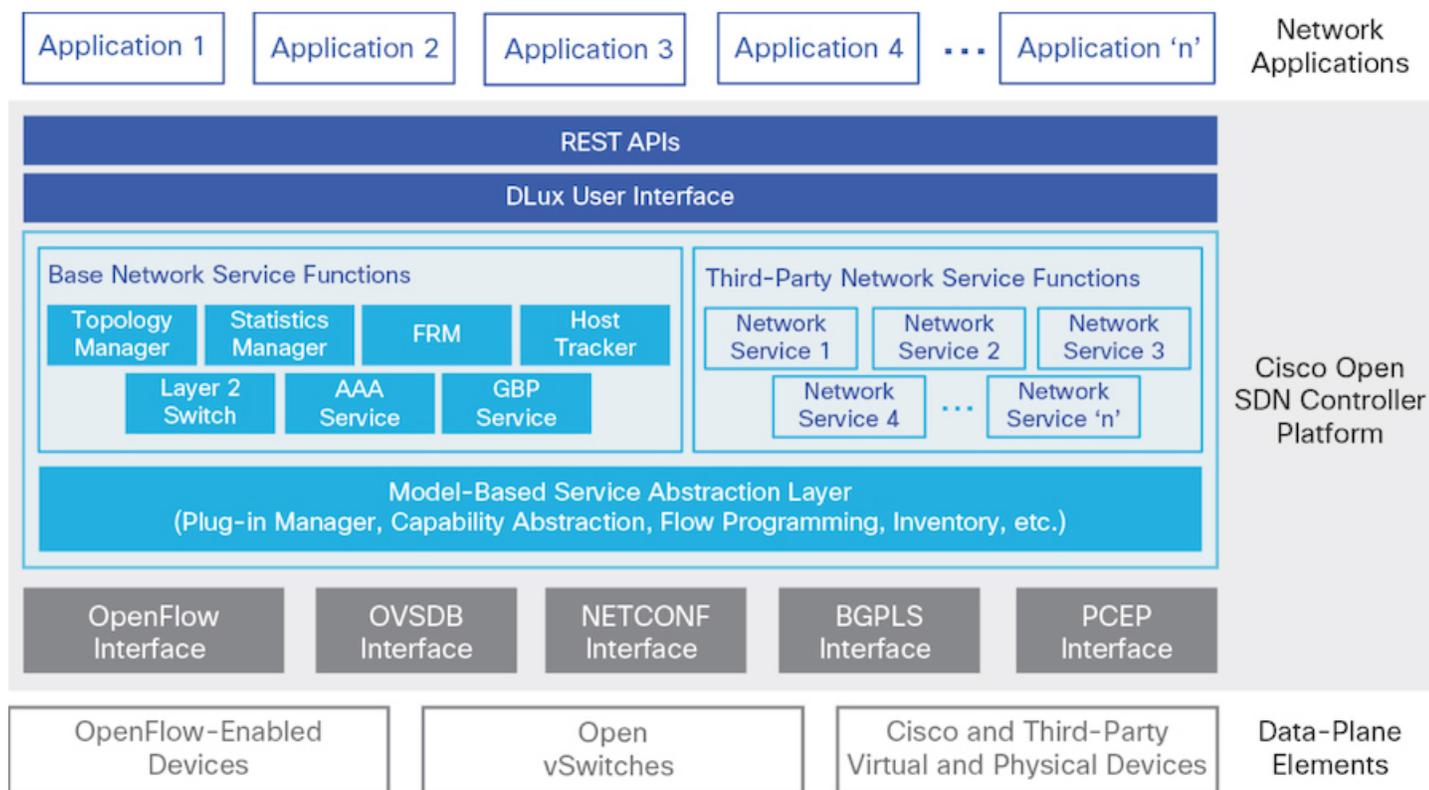
Cisco Open SDN Controller 1.2.1 Release Notes

First Published: November 18, 2015

Introduction

These release notes provide an overview of Open SDN Controller 1.2.1 and describe how to access the known issues in this release.

Figure 1: Open SDN Controller Platform Overview



Key Features

Feature	Description
Commercial distribution	Provides a hardened, validated, and supported OpenDaylight distribution.
Clustering	Allows you to configure multiple controller nodes to act as one in order to ensure the controller's continuous operation.

Feature	Description
Serviceability	Provides features such as log collection, metrics collection, and system monitoring.
Open Virtual Appliance (OVA) packaging	Enables simplified installation and deployment flexibility.
Cisco DevNet Integration	Provides access to the Open SDN Controller application development environment. For more information, visit developer.cisco.com/site/opensdn .
IP/MPLS and OpenFlow network support	Integrated application support of IP/MPLS and OpenFlow networks
Northbound Representational State Transfer (REST) APIs	Support application integration to the network.
Network services Java APIs	Enable the creation of embedded functions to deliver custom controller capabilities.
Southbound device plug-ins	Connect virtual and physical network elements, supporting heterogeneous network environments.

Supported Devices

The following table lists the devices supported by Open SDN Controller and the software required to operate them.

Product Family	Models	Cisco Software
Cisco ASR 9000 Series Aggregation Services Routers	Cisco ASR 9001, 9904, 9006, 9010, 9912, and 9922	<ul style="list-style-type: none"> • Cisco IOS XR 5.2.0, with OpenFlow 1.0 and 1.3 and Border Gateway Protocol Link State (BGP) LS • Cisco IOS XR 5.3.0L, with Path Computation Element Communication Protocol (PCEP)
Cisco Nexus 3000 Series Switches	Cisco Nexus 3016Q, 3048, 3064X, 3064-32T, 3064T, 3132Q, 3172PQ, and 3172TQ	<ul style="list-style-type: none"> • Cisco NX-OS 6.0(2)U4(1) • OpenFlow Agent 1.1.5, with OpenFlow 1.3

Caveats

- When editing an installed feature's configuration file to update that feature's password, ensure that you enter a plain text password. For example, you would do the following to change the password for the netconf-connector-all feature:

- 1 Navigate to the /opt/cisco/controller/etc/opendaylight/karaf directory and open 99-netconf-connector.xml in a text editor.
- 2 Locate the following line and enter the appropriate plain text password:

```
<password  
xmlns="urn:opendaylight:params:xml:ns:yang:controller:md:sal:connector:netconf">new-password</password>
```

Open SDN Controller will automatically encrypt the new password and update the configuration file with the encrypted password.

- Do *not* use the percent sign (%) in any password you configure. You will not be able to log in to Open SDN Controller with a password that contains this character.
- CSCux01997—In the OVA, the default network group labels assigned to network adapter 2 and 3 are incorrect. The labels should be reversed, listing `southbound` for network adapter 2 and `east-west` for network adapter 3. Note that this caveat has no functional impact on Open SDN Controller.

Open Bugs

For more information on a specific bug or to search for all bugs in Open SDN Controller, use the Bug Search tool.

Step 1 Go to <http://tools.cisco.com/bugsearch>.

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

Note If you do not have a Cisco.com account, you can register at <http://tools.cisco.com/RPF/register/register.do>.

Step 3 Do one of the following:

- To search for a specific bug, enter the bug ID in the Search For field and press **Enter**.
- To search for bugs in the current release:

- 1 In the Search For field, enter Cisco Open SDN Controller 1.2 and press **Enter**.

Note The search result may also display the bugs of other products.

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

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

Resolved Bugs

Click the identifier to view the impact and workaround for the bug in the Bug Search Tool.

Identifier	Description
CSCuu83921	Unable to retrieve authentication token after restarting cluster.
CSCuv76208	NUVISO: Multi-NIC cluster setup fails.
CSCuw24331	NUVISO: Token generation on cluster member fails.
CSCuw24389	NUVISO: Unable to access web/REST via VIP-D from a simple, same-subnet cluster.
CSCuu16346	NUVISO: Commit failure occurs when operational and config shards are remote.
CSCuw37218	NUVISO: Delay occurs during datastore writes.
CSCuw38047	NUVISO: Cannot access a multi-NIC cluster via VIP.

Related Documentation

See the [Cisco Open SDN Controller 1.2 Documentation Overview](#) for a list of Open SDN Controller guides.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*, at: <http://www.cisco.com/c/en/us/td/docs/general/whatsnew/whatsnew.html>.

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