

Release Notes for Cisco UCS Director Express for Big Data, Release 2.0

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Cisco UCS Director Express for Big Data

Cisco UCS Director Express for Big Data provides a single touch solution that automates deployment of Big Data infrastructure and provides a single management pane across both physical infrastructure and Hadoop software. It supports key Hadoop distributions including Cloudera, MapR, and Hortonworks.

Cisco UCS Director Express for Big Data delivers end-to-end automation of Hadoop cluster deployment that allows you to spin up and expand clusters on-demand. Configuration of the physical infrastructure, which includes compute, internal storage, network, and installation of operating system, Java packages, Hadoop along with provisioning of Hadoop services are handled automatically with minimal user input. This is achieved through the innovative Cisco UCS service profiles wherein both the physical infrastructure and Hadoop configuration are incorporated into a Hadoop cluster deployment profile.

New and Changed Features in Release 2.0

This section provides an overview of the significant new and changed features in this release. This section does not provide an exhaustive list of all enhancements included in this release.

- Administration > License > License Keys > Manage Personalities: Managing Cisco UCS Director and Cisco UCS Director Express for Big Data Personalities
- Administration > System > User Roles: Creating User Roles for Big Data
- Administration > License > License Keys > Update License: Applying Standard and Premium Licenses
- Solutions > Big Data > Settings > Hadoop Config Parameters: Creating a Hadoop Cluster Configuration Template
- Solutions > Big Data > Accounts > Big Data Accounts > View Details: Updating a Hadoop Cluster Configuration Template
- Solutions > Big Data > Settings > QoS System Class
- Solutions > Big Data > Settings > Management: Pre Cluster Performance Testing Settings
- Solutions > Big Data > Settings > Management: Approving Hadoop Cluster Deployment Workflows
- Solutions > Big Data > Settings > Service Catalog: Uploading Required OS and Hadoop Software to Cisco UCS Director Baremetal Agent
- Solutions > Big Data > Settings > Service Catalog: Required software in Software Catalog (Cloudera, MapR, and Hortonworks RPMs)
- Cloudera and MapR RPMs - Required for upgrading Hadoop Cluster

- Solutions > Big Data > Settings: Configuration Check Rules
- Solutions > Big Data > Accounts > Big Data Accounts > Check Configuration: Checking Hadoop Cluster Configuration
- Solutions > Big Data > Accounts > Faults: Fixing Configuration Violations
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > View Reports > Monitoring: Aggregate CPU, Disk and Network Utilization
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > View Reports > Monitoring > View Details: Monitoring Aggregate CPU, Disk and Network Utilization
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > View Reports: Monitoring Top Jobs Based on CPU Utilization and Completion Time
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > View Reports > Performance > Run Test: Performance Metrics for CPU, Disk, and Network
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > View Reports > Performance: Viewing CPU, Disk, and Network Statistics for a Hadoop Cluster
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > View Reports > Performance: Analyzing Performance Bottlenecks through Historical Metrics
- Policies > Orchestration > Triggers: Setting Alerts for Hadoop Cluster Service Failures
- Types of Disk and Network Failure Alerts
- Policies > Orchestration > Triggers: Setting Alerts for Disk, Network, and Node Failures
- Policies > Orchestration > Triggers: Setting Disk Utilization Threshold Alerts
- Solutions > Big Data > Accounts > Big Data Accounts > (Big Data Account) > Run Inventory
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hosts > Host Mappings
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Clusters > Start/Shutdown/Restart Hadoop Cluster, Rebalance HDFS, Enable/Disable High Availability for Cloudera, Cluster Snapshot, Upgrade Cluster
- Solutions > Big Data > Accounts > Big Data Accounts > View Details > Hadoop Services > Add New Service
- Policies > Orchestration: New UCS CPA Workflows

Documented in the *Cisco UCS Director Express for Big Data management Guide, Release 2.0*

System Requirements

The system requirements for this release is available in the *Compatibility Matrix for Cisco UCS Director Express for Big Data Release 2.0* for the following:

- VMware vSphere (ESX or ESXi 4.x or 5.x)

Supported Browser Versions

Cisco UCS Director Express for Big Data supports the following browsers and all browsers require the Adobe Flash Player plug-in version 11 or higher for those browsers:

- Internet Explorer 8 or higher
- Google Chrome 4.1 or higher
- Firefox 3.5 or higher
- Safari 4.0 or higher (for Apple Mac or Microsoft Windows)

Installation Notes

Cisco UCS Director Express for Big Data is a 64-bit appliance that uses a standard virtual machine that is delivered in OVF format for VMware, and can be hosted on VMware vSphere or vCenter.

For installation instructions, see the following guides:

- *Cisco UCS Director Express for Big Data Installation on VMware vSphere, Release 2.0*
- *Cisco UCS Director Express for Big Data Baremetal Agent Installation and Configuration Guide, Release 2.0*

The installation guides are available on Cisco.com here:

http://www.cisco.com/en/US/products/ps13050/prod_installation_guides_list.html.

Open and Resolved Bugs

The open and resolved bugs for this release are accessible through the [Cisco Bug Search Tool](#). This web-based tool provides you with access to the Cisco bug tracking system, which maintains information about bugs and vulnerabilities in this product and other Cisco hardware and software products.

**Note**

You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can [register for an account](#).

For more information about the Cisco Bug Search Tool, see the [Bug Search Tool Help & FAQ](#).

Open Bugs for This Release

All open bugs for this release are available in the [Cisco Bug Search Tool](#) through the following searches. The results of that search include workarounds for the open bugs, if any.

Open Bugs for this Release

You can find detailed information about all open bugs in this release through the [open bug search in this release](#). This search uses the following parameters:

Field	Parameter
Product drop-down list	Choose Series/Model and enter Cisco UCS Director.
Releases drop-down list	Choose Affecting or Fixed in these Releases and enter 5.4(0.0).
Filter	Choose Open from the Status drop-down list.

Related Documentation

In addition to these release notes, you can find documentation for Cisco UCS Director, Release 5.2 in the following locations on Cisco.com:

- [Cisco UCS Director 5.2 Documentation, Download, and Support page](#)
- [Cisco UCS Director Documentation Roadmap](#)
- [Cisco UCS Director Product Overview Pages](#)
- [Cisco UCS Director on Cisco DevNet](#)

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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