



Release Notes for Cisco UCS Director Express for Big Data, Release 1.0

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This document describes the features, caveats, and limitations for Cisco UCS Director Express for Big Data software. Use this document in combination with documents listed in [Related Documentation](#), page 6.

Release notes are sometimes updated with new information about restrictions and caveats. See the following website for the most recent version of the *Cisco UCS Director Express for Big Data Release Notes*:

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

Table 1 shows the online change history for this document.

Table 1 **Online History Change**

Release Number	Date	Description
Release 1.0	September 5, 2014	Created release notes for Release 1.0
	October 8, 2014	Added CSCur02877 to Resolved Caveats.
	November 19, 2014	Updated for patch release 1.0.0.1.



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Overview

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.



Note

Support for Hortonworks is not available in Cisco UCS Director Express for Big Data, Release 1.0, and it is planned for a future release.

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.

System Requirements

[Table 2](#) lists the system requirements for Cisco UCS Director Express for Big Data, Release 1.0.

Table 2 **System Requirements**

vSphere Minimum System Requirements	
Component	Requirement
VMware	ESX or ESXi 4.x or 5.x
vCPU	4
Memory	Minimum = 4GB High Loads and Scalability = 8 GB
Hard disk	40 GB

Supported Browser Versions

Cisco UCS Director Express for Big Data supports the following 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)

Browsers require the Adobe Flash Player 11 plug-in.

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 guide:

- *Cisco UCS Director Express for Big Data Installation on VMware vSphere, Release 1.0*

The installation guides are available on Cisco.com here:

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

Patch Installation Notes

To apply the Cisco UCS Director Express for Big Data, Release 1.0.0.1 patch, perform the following:

1. Log into the Cisco UCS Director Express for Big Data VM console.
2. Stop all services and install the Cisco UCS Director, Release 5.1 patch using the `cucsd_patch_5_1_0_1.zip` file and start services.
3. Stop all services and install the Cisco UCS Director Express for Big Data, Release 1.0 patch using the `cucsde_patch_1_0_0_1.zip` file and start services.
4. Log into the Cisco UCS Director Express for Big Data Baremetal Agent (BMA) server. Copy the `cucsde_bma_patch_5_0_0_1.zip` (BMA patch) file and extract the BMA patch file. Change directory to `scripts/bin`, add execute permissions to `copyfiles.sh` (`chmod+x copyfiles.sh`), and execute the `copyfiles.sh` (`./copyfiles.sh`).
5. Log into the Cisco UCS Director Express for Big Data GUI, and start the BMA services.

Caveats

This section includes the following topics:

- [Open Caveats, page 4](#)
- [Resolved Caveats in Release 1.0, page 4](#)
- [Resolved Caveats in Release 1.0.0.1, page 5](#)

Open Caveats

Table 3 lists the caveats that are open in Cisco UCS Director Express for Big Data, Release 1.0.

Table 3 Open Caveats in Cisco UCS Director Express for Big Data, Release 1.0

Defect ID	Symptom	Workaround
CSCup20580	With no data, the Hosts summary report is continuously trying to update the Role-CPU Usage and it is not showing any graph for the Managed node.	Not available.
CSCup65770	Duplicate/multiple Delete Node submissions for the same selected node in the same cluster is accepted.	Not available.
CSCuq14714	Inputs that are given before starting to create a cluster in the Multi UCSM Managed cluster UI page (in a specific order using Instant Hadoop Cluster Creation) is not editable, once submitted.	Ensure that your inputs are all correct before you click the Submit button on the Multi UCSM Managed cluster UI page.
CSCur51778	Node IP address is not released to the Big Data IP pool after performing the Delete Node to Baremetal action on that node.	Release the node IP address manually from the Big Data IP pool and run the system task for the Big Data IP pool (Big-DataIPPoolInventoryCollector).
CSCur51789	Deleted node is getting populated in the Add Managed Node dialog after performing the Delete Node to Baremetal action.	The Delete Node to Baremetal action takes some time to complete. Ensure that the rollback workflow is completed.



Note

Release notes information is sometimes updated after *the Release Notes for Cisco UCS Director Express for Big Data* document is published. Use the [Cisco Bug Search Tool](#) to see the most up-to-date release note information for any caveat listed in this document.

Resolved Caveats in Release 1.0

Table 4 lists the caveats that are resolved in Cisco UCS Director Express for Big Data, Release 1.0.

Table 4 *Resolved Caveats in Cisco UCS Director Express for Big Data, Release 1.0*

Defect ID	Symptom
CSCur02877	<p>The following Cisco products:</p> <ul style="list-style-type: none"> • Cisco UCS Director Express for Big Data • Cisco UCS Director Express for Big Data Baremetal Agent <p>include a version of Bash that is affected by the vulnerabilities identified by the Common Vulnerability and Exposures (CVE) IDs:</p> <ul style="list-style-type: none"> • CVE-2014-6271 • CVE-2014-6277 • CVE-2014-6278 • CVE-2014-7169 • CVE-2014-7186 • CVE-2014-7187 <p>This bug has been opened to address the potential impact on this product.</p> <p>Exposure is not configuration dependent.</p> <p>Authentication is required to exploit this vulnerability.</p>

Resolved Caveats in Release 1.0.0.1

Table 5 lists the caveats that are resolved in Cisco UCS Director Express for Big Data, Release 1.0.0.1.

Table 5 *Resolved Caveats in Cisco UCS Director Express for Big Data, Release 1.0.0.1*

Defect ID	Symptom
CSCup72162	Cloudera: Add Role options in Cisco UCS Director Express for Big Data GUI and Cloudera are different.
CSCup83545	Validation for UUID & MAC pool resources against node count is missing when creating an instant cluster.
CSCup83555	Deleting a Hadoop service-role from a node in a cluster is not working through a workflow task.
CSCuq44917	Unable to modify Hadoop services from the Hadoop cluster profile template.
CSCuq47343	End user can run his own software (rpms) as part of cluster installation.
CSCuq64590	Add BareMetal Nodes is not working for a cluster created with the Multi UCSM account.
CSCuq75471	Cisco UCS Director Express for Big Data should have the support to configure email for Big Data orchestration.
CSCuq81144	Rollback of Big Data cluster is failing, requiring individual rollback.
CSCuq81495	Do not see IP pools for a 'n' node cluster when the IP pools have 'n' IP addresses.
CSCuq81909	Null Pointer Exception is thrown when viewing the Big Data Account Summary Report.
CSCuq83325	Cloudera: Add Live Node fails in the last task at the end.

Table 5 Resolved Caveats in Cisco UCS Director Express for Big Data, Release 1.0.0.1

Defect ID	Symptom
CSCuq83960	When the flume service is not selected, the custom cluster failed in service provisioning.
CSCuq93048	The primary Name Node should not be the Data Node.

Related Documentation

Cisco UCS Director Express for Big Data Documentation Roadmap

For a complete list of Cisco UCS Director Express for Big Data documentation, see the *Cisco UCS Director Express for Big Data Documentation Roadmap* available at the following URL:

http://www.cisco.com/c/en/us/td/docs/unified_computing/ucs/ucs-director-express/doc-roadmap/b_UCSDEExpressBigData-doc-roadmap.html

Cisco UCS Director Documentation Roadmap

For a complete list of Cisco UCS Director documentation, see the *Cisco UCS Director Documentation Roadmap* available at the following URL:

http://www.cisco.com/en/US/docs/unified_computing/ucs/ucs-director/doc-roadmap/b_UCSDirectorDocRoadmap.html

Cisco UCS Documentation Roadmaps

For a complete list of all Cisco UCS B-Series documentation, see the *Cisco UCS B-Series Servers Documentation Roadmap* available at the following URL:

http://www.cisco.com/en/US/docs/unified_computing/ucs/overview/guide/UCS_roadmap.html

For a complete list of all Cisco UCS C-Series documentation, see the *Cisco UCS C-Series Servers Documentation Roadmap* available at the following URL:

http://www.cisco.com/en/US/docs/unified_computing/ucs/overview/guide/UCS_rack_roadmap.html

Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, please send your comments to ucs-director-docfeedback@cisco.com. We appreciate your feedback.

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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This document is to be used in conjunction with the documents listed in the “[Related Documentation](#)” section.

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