



Release Notes for Cisco UCS Director Express for Big Data, Release 3.6

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Cisco UCS Director Express for Big Data

Cisco UCS Director Express for Big Data is a single-touch solution within Cisco UCS Director that automates deployment of Big Data infrastructure. Cisco UCS Director Express for Big Data provides a single management pane across physical infrastructure and across Hadoop and Splunk Enterprise 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, allowing you to spin up and expand clusters on-demand. The physical infrastructure configuration is handled automatically, with minimal user input. The configuration includes compute, internal storage, network, and installation of operating system, Java packages, and Hadoop, along with the provisioning of Hadoop services. This is achieved through Cisco UCS service profiles wherein both the physical infrastructure and Hadoop configuration are incorporated into a Hadoop cluster deployment profile.

Cisco UCS Director Express for Big Data also delivers end-to-end automation of Splunk cluster deployment, with minimal user input. This is achieved through Cisco UCS service profiles wherein both the physical infrastructure and Splunk configuration are incorporated into a Splunk cluster deployment profile.

Revision History

Release	Date	Description
3.6	April 30, 2018	Created for Release 3.6
3.6(1.0)	October 8, 2018	Added the following sections for Release 3.6(1.0): <ul style="list-style-type: none">• New and Changed Features in Release 3.6(1.0), on page 3• Open and Resolved Bugs in Release 3.6(1.0), on page 8

Release	Date	Description
3.6(2.0)	August 27, 2019	<p>Added the following sections for Release 3.6(2.0):</p> <ul style="list-style-type: none"> • New and Changed Features in Release 3.6(2.0), on page 3 • Supported Upgrade Paths to Cisco UCS Director Express for Big Data, Release 3.6(2.0), on page 4 • Patch Installation Notes for Cisco UCS Director Express for Big Data Release 3.6(2.0), on page 6 • Open and Resolved Bugs in Release 3.6(2.0), on page 9

New and Changed Features in Release 3.6

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.

- Support for Cloudera 5.13.1 and 5.14.0
- Support for MapR 5.2.2 and 6.0.0
- Support for Hortonworks 2.6.3 and 2.6.4
- Support for Splunk 7
- Support for Splunk multi-site cluster management.
- Support for specifying the custom port number while adding a Hadoop or Splunk account.
- Support for device connector to connect Cisco UCS Director Express for Big Data to Cisco Intersight.
- Support for launching Cisco UCS Director Express for Big Data from Cisco Intersight.
- Support for Oracle 12.1c and Oracle 12.2c in Cloudera and Hortonworks.
- Support for CentOS 7.4, Oracle RHEL 7.4, and RHEL 7.4 for deploying big data clusters.

Documented in the *Cisco UCS Director Express for Big Data management Guide*.



Note

Big Data customers need to download the standard UCSD image and change the personality to Cisco UCS Director Express for Big Data for enabling the Big Data features.

New and Changed Features in Release 3.6(1.0)

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.

- Support for Cloudera 5.15
- Support for NVMe disks in Splunk distributions.
- Support for RHEL 7.5 for deploying Cloudera 5.15 clusters.
- Support for **Update BMA Appliance Task** system task.



Important

Cisco UCS Director Express for Big Data Release 3.6(1.0) is no longer available for download.

New and Changed Features in Release 3.6(2.0)

There are only bug fixes in this release.



Important

Cisco UCS Director Express for Big Data Release 3.6(2.0) includes fixes for security vulnerabilities reported in releases 3.6 and 3.6(1.0). Cisco UCS Director Express for Big Data Release 3.6 and release 3.6(1.0) are no longer available for download. For information on the security vulnerabilities reported in releases 6.6 and 6.6(1.0), see the security advisories for CVE-2019-1938, CVE-2019-1935, CVE-2019-1974, CVE-2019-1937, CVE-2019-12634 and CVE-2019-1936 available at this link:

<https://tools.cisco.com/security/center/publicationListing.x>

System Requirements

The system requirements for this release is available in the *Compatibility Matrix for Cisco UCS Director Express for Big Data Release 3.6* for the following:

- VMware vSphere (ESX or ESXi 5.x, or 6.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 the latest patch details, see **Installation and Upgrade Notes** section in the *Cisco UCS Director Release Notes*.

For installation instructions, see appropriate [Cisco UCS Director installation guide](#) and [Cisco UCS Director Express for Big Data Deployment and Management Guide](#).

Supported Upgrade Paths to Cisco UCS Director Express for Big Data, Release 3.6(2.0)

The following are the supported upgrade paths for Cisco UCS Director Express for Big Data, Release 3.6(2.0).

See the [Cisco UCS Director Upgrade Guide](#) for detailed steps on how to upgrade to Release 6.6 from your current release.



Important

Cisco UCS Director Express for Big Data Release 3.6(2.0) includes fixes for security vulnerabilities reported in releases 3.6 and 3.6(1.0). Cisco UCS Director Express for Big Data Release 3.6 and release 3.6(1.0) are no longer available for download. For information on the security vulnerabilities reported in releases 6.6 and 6.6(1.0), see the security advisories for CVE-2019-1938, CVE-2019-1935, CVE-2019-1974, CVE-2019-1937, CVE-2019-12634 and CVE-2019-1936 available at this link:

<https://tools.cisco.com/security/center/publicationListing.x>

Upgrade Paths from Release 3.6(x.x)

- From Release 3.6(1.0) to Release 3.6(2.0)
- From Release 3.6(0.0) to Release 3.6(2.0)

Patch Installation Notes for Cisco UCS Director Express for Big Data Release 3.6

You can use the `cucsd_patch_6_6_0_0.zip` file to upgrade Cisco UCS Director Express for Big Data, Release 3.5 to the current patch level.



Important

Cisco UCS Director Express for Big Data Release 3.6(0.0) is no longer available for download.

Procedure

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- Step 1** Install Cisco UCS Director Express for Big Data, Release 3.6 on Cisco UCS Director, Release 6.6 platform with the support for personality.
- Step 2** Log in to the current version of Cisco UCS Director Express for Big Data VM console.
- Step 3** In the shelladmin, choose **Stop Services** to stop all services.
- To verify that all services are stopped, choose **Display Services Status**.

- Step 4** Choose **Apply Patch** to apply the patch application on Cisco UCS Director Express for Big Data. For more information, see Digitally Signed Images section in the [Cisco UCS Director Express for Big Data Deployment and Management Guide](#).
- Step 5** When prompted, enter the location of the Cisco UCS Director, Release 6.6.0.0 patch (cucsd_patch_6_6_0_0.zip). (For example, ftp://username:password@hostname|IP_address/software_location_and_name).
- Step 6** Wait for the download and installation to complete for Cisco UCS Director Express for Big Data, Release 3.6.0.0.
- Step 7** When prompted, choose **Start Services** to start services and complete the patch upgrade process.
- Note** The patch process is not complete or successful until the Cisco UCS Director Express for Big Data services have started. When Cisco UCS Director Express for Big Data is available, the administration can log in to the application.
- All Cisco UCS Director Express for Big Data services must be started before you attempt to perform other shelladmin procedures, such as apply additional patches, take a database backup, or restore a database from a backup.
- Step 8** When the patch application is complete, choose **Show Version** in shelladmin to verify the current version of Cisco UCS Director Express for Big Data.
- Step 9** Log in to the Bare Metal Agent (BMA) server using the default credentials (root/pxeboot). Copy the cucsd_bma_patch_6_6_0_0.zip (BMA patch) file and extract the BMA patch file. Add execute permissions to applyPatch.sh (chmod+x applyPatch.sh), and execute the applyPatch.sh (. /applyPatch.sh).
- Step 10** Log in to the Cisco UCS Director Express for Big Data GUI and start the BMA services.

Patch Installation Notes for Cisco UCS Director Express for Big Data Release 3.6(1.0)

You can use the cucsd_patch_6_6_1_0.zip file to upgrade Cisco UCS Director Express for Big Data, Release 3.6 to the current patch level.



Important Cisco UCS Director Express for Big Data Release 3.6(1.0) is no longer available for download.

Procedure

- Step 1** Install Cisco UCS Director Express for Big Data, Release 3.6(1.0) on Cisco UCS Director, Release 6.6(1.0) platform with the support for personality.
- Step 2** Log in to the current version of Cisco UCS Director Express for Big Data VM console.
- Step 3** In the shelladmin, choose **Stop Services** to stop all services.
- To verify that all services are stopped, choose **Display Services Status**.
- Step 4** Choose **Apply Patch** to apply the patch application on Cisco UCS Director Express for Big Data. For more information, see Digitally Signed Images section in the [Cisco UCS Director Express for Big Data Deployment and Management Guide](#).
- Step 5** When prompted, enter the location of the Cisco UCS Director, Release 6.6.1.0 patch (cucsd_patch_6_6_1_0.zip). (For example, ftp://username:password@hostname|IP_address/software_location_and_name).

- Step 6** Wait for the download and installation to complete for Cisco UCS Director Express for Big Data, Release 3.6(1.0).
- Step 7** When prompted, choose **Start Services** to start services and complete the patch upgrade process.
- Note** The patch process is not complete or successful until the Cisco UCS Director Express for Big Data services have started. When Cisco UCS Director Express for Big Data is available, the administration can log in to the application.
- All Cisco UCS Director Express for Big Data services must be started before you attempt to perform other shelladmin procedures, such as apply additional patches, take a database backup, or restore a database from a backup.
- Step 8** When the patch application is complete, choose **Show Version** in shelladmin to verify the current version of Cisco UCS Director Express for Big Data.
- Step 9** Log in to the Cisco UCS Director Express for Big Data GUI.
- Note** From Release 3.6(1.0), a new system task (Update BMA Appliance Task) is created within the account. The **Update BMA Appliance Task** system task connects to all Bare Metal Agents that are currently managed, performs a version check, and stops services of the respective Bare Metal Agents whenever there is a version mismatch. The system task then pushes the required updates and starts the services. To view the details, navigate to **Administration > System > System Tasks**.

Patch Installation Notes for Cisco UCS Director Express for Big Data Release 3.6(2.0)

You can use the `cucsd_patch_6_6_2_0.zip` file to upgrade Cisco UCS Director Express for Big Data, Release 3.6 to the current patch level.

Procedure

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- Step 1** Install Cisco UCS Director Express for Big Data, Release 3.6(2.0) on Cisco UCS Director, Release 6.6(2.0) platform with the support for personality.
- Note** This release of Cisco UCS Director 6.6(2.0), you should update the Bare Metal Agent to 6.6(1.0) version in order to be compatible with Cisco UCS Director.
- Step 2** Log in to the current version of Cisco UCS Director Express for Big Data VM console.
- Step 3** In the shelladmin, choose **Stop Services** to stop all services.
- To verify that all services are stopped, choose **Display Services Status**.
- Step 4** Choose **Apply Patch** to apply the patch application on Cisco UCS Director Express for Big Data. For more information, see Digitally Signed Images section in the [Cisco UCS Director Express for Big Data Deployment and Management Guide](#).
- Step 5** When prompted, enter the location of the Cisco UCS Director, Release 6.6.2.0 patch (`cucsd_patch_6_6_2_0.zip`). (For example, `ftp://username:password@hostname|IP_address/software_location_and_name`).
- Step 6** Wait for the download and installation to complete for Cisco UCS Director Express for Big Data, Release 3.6(2.0).
- Step 7** When prompted, choose **Start Services** to start services and complete the patch upgrade process.

Note The patch process is not complete or successful until the Cisco UCS Director Express for Big Data services have started. When Cisco UCS Director Express for Big Data is available, the administration can log in to the application.

All Cisco UCS Director Express for Big Data services must be started before you attempt to perform other shelladmin procedures, such as apply additional patches, take a database backup, or restore a database from a backup.

Step 8 When the patch application is complete, choose **Show Version** in shelladmin to verify the current version of Cisco UCS Director Express for Big Data.

Step 9 Log in to the Cisco UCS Director Express for Big Data GUI.

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 and Resolved Bugs in Release 3.6

All open and resolved 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 bugs, if any.

Open Bugs in Release 3.6

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:



Important Cisco UCS Director Express for Big Data Release 3.6 is no longer available for download.

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 6.6(0.0) .
Filter	Choose Open from the Status drop-down list.

Resolved Bugs in Release 3.6

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



Important Cisco UCS Director Express for Big Data Release 3.6 is no longer available for download.

Field	Parameter
Product drop-down list	Choose Series/Model and enter Cisco UCS Director 6.6 .
Releases drop-down list	Choose Affecting or Fixed in these Releases and enter 6.6(0.0) .
Filter	Choose Fixed from the Status drop-down list.

Open and Resolved Bugs in Release 3.6(1.0)

All open and resolved 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 bugs, if any.

Open Bugs in Release 3.6(1.0)

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:



Important Cisco UCS Director Express for Big Data Release 3.6(1.0) is no longer available for download.

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 6.6(1.0) .
Filter	Choose Open from the Status drop-down list.

Resolved Bugs in Release 3.6(1.0)

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



Important Cisco UCS Director Express for Big Data Release 3.6(1.0) is no longer available for download.

Field	Parameter
Product drop-down list	Choose Series/Model and enter Cisco UCS Director 6.6 .
Releases drop-down list	Choose Affecting or Fixed in these Releases and enter 6.6 (1.0) .
Filter	Choose Fixed from the Status drop-down list.

Open and Resolved Bugs in Release 3.6(2.0)

All open and resolved 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 bugs, if any.

Open Bugs in Release 3.6(2.0)

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 6.6 (2.0) .
Filter	Choose Open from the Status drop-down list.

Resolved Bugs in Release 3.6(2.0)

You can find detailed information about all resolved bugs in this release through the [resolved 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 6.6 .
Releases drop-down list	Choose Affecting or Fixed in these Releases and enter 6.6 (2.0) .
Filter	Choose Fixed from the Status drop-down list.

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Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

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