

# Installation

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# **Installation Overview**



**Note** If the HyperFlex cluster nodes were part of any other HyperFlex cluster before (or not factory shipped), follow the node cleanup procedure before starting the cluster deployment. For more information, see HyperFlex Customer Cleanup Guides for FI and Edge.

Refer to the following table that summarizes the installation workflow for Edge deployments. The Steps 1-3 are common between 1GE and 10/25GE deployments. However, Step 4 is applicable for 1GE deployments, while the remaining Steps 5-6 are for 10/25GE deployments.

Step#	Description	Reference	Applicable for 1GE & 10/25GE, 1GE, or 10/25GE
1	Complete preinstallation checklist.	Make a selection from below based on your switch configuration:	1GE & 10/25GE
		2-Node Edge Deployments:	
		• 10 or 25GE VIC-Based Topology or,	
		• 1 Gigabit Ethernet Topology	
		3- and 4-Node Edge Deployments:	
		• 10 or 25GE VIC-Based Topologyor,	
		• 1 Gigabit Ethernet Topology	

Step#	Description	Reference	Applicable for 1GE & 10/25GE, 1GE, or 10/25GE
2	Complete installation prerequisites.	<ul> <li>Rack Cisco HyperFlex Nodes, on page 2</li> <li>Cisco Integrated Management Controller Configuration, on page 2</li> <li>Verifying Firmware Versions, on page 4</li> </ul>	1GE & 10/25GE
3	Download and deploy Cisco HX Data Platform Installer.	Deploying Cisco HX Data Platform Installer, on page 5	1GE & 10/25GE
4	Deploy HyperFlex Edge cluster.	<ul> <li>Complete the following steps to configure your Edge cluster and verify successful installation.</li> <li>Configuring Your HyperFlex Cluster, on page 6</li> <li>Verifying Cisco HX Data Platform Software Installation, on page 12</li> </ul>	1GE only
6	Deploy HyperFlex Edge cluster.	(10/25GE only) Configuring Your HyperFlex Cluster, on page 12	10/25GE only

## **Applicable for 1GE and 10/25GE Switch Configurations**

## **Rack Cisco HyperFlex Nodes**

For details on installation of Cisco HX220c M5/M6, HX240c M5/6 and HX225/245c M6 HyperFlex Nodes, review the Cisco Hardware Install Guides.

Important

You can use a console dongle to connect the VGA monitor and keyboard for CIMC configuration. You can also directly connect to the VGA and USB ports on the rear of the server. Alternatively, you can perform a lights-out configuration of CIMC if a DHCP server is available in the network.

## **Cisco Integrated Management Controller Configuration**

Choose one method for CIMC network configuration: static assignment or DHCP assignment.

### **Configuring CIMC: Static Assignment**

To configure Cisco Integrated Management Controller (CIMC), you must enable CIMC standalone mode, configure the CIMC password and settings, and configure a static IP address manually using a KVM. This requires physical access to each server with a monitor and keyboard. Each server must be configured one at a time.

Customers may opt to use the dedicated CIMC management port for out-of-band use. Users should account for this third 1GE port when planning their upstream switch configuration. Additionally, the user should set the CIMC to dedicated mode during CIMC configuration. Follow Cisco UCS C-series documentation to configure the CIMC in dedicated NIC mode. Under **NIC properties**, set the NIC mode to **dedicated** before saving the configuration.

### Before you begin

- Ensure that all Ethernet cables are connected as described in the Physical Cabling section of this guide that applies to your deployment.
- Attach the VGA dongle to the server and connect a monitor and USB keyboard.
- **Step 1** Power on the server, and wait for the screen with the Cisco logo to display.
- Step 2 When prompted for boot options, press F8 to enter the Cisco IMC Configuration utility.
- **Step 3** In **CIMC User Details**, enter **password** for the **current CIMC password**, enter your **new CIMC password** twice, and press **Enter** to save your new password.

**Important** Systems ship with a default password of *password* that must be changed during installation. You cannot continue installation unless you specify a new user supplied password.

- Step 4 For IP (Basic), check IPV4, uncheck DHCP enabled, and enter values for CIMC IP, Prefix/Subnet mask, and Gateway.
  Step 5 For VLAN (Advanced), check VLAN enabled, and:
  - If you are using trunk ports, set the appropriate VLAN ID.
  - If you are using access ports, leave this field blank.
- **Step 6** Leave the rest of the settings as default, press **F10** to save your configuration, and press **ESC** to exit the utility.
- **Step 7** In a web browser, navigate directly to the CIMC page at https://CIMC IP address.
- **Step 8** Enter the username **admin** and your new CIMC password, and click **Log In**.
- **Step 9** Manually set the power policy to match the desired operation from **Server** > **Power Policies**.

Servers default to the Power Off power-restore policy set at the factory.

### What to do next

You can use the virtual KVM console or continue to use the physical KVM. The SD cards have ESXi preinstalled from the factory and boot automatically during installation.

### **Configuring CIMC: DHCP Assignment**

To configure Cisco Integrated Management Controller (CIMC), you must enable CIMC standalone mode, configure the CIMC password and settings, and configure a dynamic IP address obtained through DHCP. This requires more network setup but eases configuration by enabling a lights-out setup of HyperFlex Edge nodes. All servers lease addresses automatically and in parallel, reducing deployment time.

### Before you begin

- Ensure that all Ethernet cables are connected as described in the Physical Cabling section of this guide that applies to your deployment.
- Ensure the DHCP server is properly configured and running with a valid scope.
- Ensure the DHCP server is directly listening on the management VLAN or you have an IP helper configured on your switch(es).
- Decide on inband versus out-of-band CIMC:
  - If using inband CIMC, configure the native VLAN for all HyperFlex Edge switch ports to match the correct DHCP VLAN. This is the only way to ensure that the CIMC can lease an address automatically.
  - If using out-of-band CIMC, configure the dedicated switch port for access mode on the DHCP VLAN.
- **Step 1** Connect power cables.
- **Step 2** Access the DHCP logs or lease table to determine the CIMC addresses obtained
- **Step 3** Search the hostnames for C220-<S/N> to find your HyperFlex servers, and make note of the addresses for required inputs into the HX Data Platform Installer.

#### What to do next

When using DHCP, you must manually set a user defined CIMC password before beginning HyperFlex Data Platform installation. Use either the web UI or a CLI session to set a new password. The default password of **password** must be changed or installation fails.

### **Verifying Firmware Versions**

You need to view current BIOS, CIMC, SAS HBA, and drive firmware versions, and verify that those versions match data in the Release Notes.

- **Step 1** In your browser, log into the CIMC web UI by navigating to https://<CIMC IP>.
- **Step 2** In the Navigation pane, click **Server**.
- **Step 3** On the **Server** page, click **Summary**.
- **Step 4** In the **Cisco Integrated Management Controller (CIMC) Information** section of the **Server Summary** page, locate and make a note of the **BIOS Version** and **CIMC Firmware Version**.

- **Step 5** In CIMC, navigate to **Inventory** > **PCIe Adapters**, and locate and make a note of the **SAS HBA Version**.
- **Step 6** In CIMC, navigate to **Storage** depending on which server type you are using, navigate to one of the following:
  - a) For M4, **Cisco 12G Modular SAS** > **Physical Drive Info**, and make a note of the drive type, manufacturer, and firmware version.
  - b) For M5 and M6, **Cisco 12G SAS HBA** > **Physical Drive Info**, and make a note of the drive type, manufacturer, and firmware version.
- **Step 7** Compare the current BIOS, CIMC, SAS HBA, and drive firmware versions with the versions listed in the Release Notes.
- **Step 8** If the minimum versions are not met, use the Host Update Utility (HUU) Download Links in the compatibility matrix to upgrade the firmware versions running on the system, including Cisco Virtual Interface Cards (VIC), PCI Adapter, RAID controllers, and drive (HDD/SSD) firmware. You can find current and previous releases of the Cisco HUU User Guide at this location: http://www.cisco.com/c/en/us/support/servers-unified-computing/ucs-c-series-rack-servers/ products-user-guide-list.html.

## **Deploying Cisco HX Data Platform Installer**

HX Data Platform Installer can be deployed on an ESXi server, as well as a VMware Workstation, VMware Fusion, or Virtual Box. The HyperFlex software is distributed as a deployable virtual machine, contained in an Open Virtual Appliance (OVA) file format. Use the following procedure to deploy HX Data Platform Installer using a VMware vSphere (thick) Client.

**Step 1** Download the HX Data Platform Installer OVA from Cisco.com, and save the package locally.

Verify the downloaded version matches the recommended version for your deployment.

- **Step 2** Log into vCenter using the vSphere client.
- Step 3 Select File > Deploy OVF Template.
- **Step 4** In the **Deploy OVF Template** wizard, on the **Source** page, specify the source location, and click **Next**.
- **Step 5** On the **OVF Template Details** page, view the information, and click **Next**.
- **Step 6** (Optional) On the Name and Location page, edit the name and location for the virtual appliance, and click Next.
- Step 7 On the Host/Cluster page, select the host or cluster on which you want to deploy, and click Next.
- **Step 8** On the **Resource Pool** page, select the resource pool where you want to run the OVF template, and click **Next**.
- **Step 9** On the **Storage** page, select a datastore to store the deployed OVF template, and click **Next**.
- **Step 10** On the **Disk Format** page, select the disk format to store the virtual machine virtual disks, and click **Next**.
- **Step 11** On the Network Mapping page, for each network specified in the OVF template, right-click the Destination Network column to select a network in your infrastructure, and click Next.
- **Step 12** Provide the OVF properties for the installer VM, namely: hostname, default gateway, DNS server, IP address, and subnet mask.

Alternatively, leave all of the OVF properties blank for a DHCP assigned address.

Step 13 On the Ready to Complete page, select Power On After Deployment, and click Finish.

# **Applicable for 1GE Switch Configurations**

## **Configuring Your HyperFlex Cluster**

- **Step 1** In your web browser, enter the IP address of the installer VM, and click **Accept** or **Continue** to bypass any SSL certificate errors.
- **Step 2** Verify the HyperFlex installer **Build ID** in the lower right corner of the login screen.
- Step 3 Log into Cisco HX Data Platform Installer using username root and password Cisco123.
  - **Important** Systems ship with a default password of *Cisco123* that must be changed during installation. The HyperFlex on-premises installer requires changing the root password as part of deployment. You cannot continue installation unless you specify a new password. Use the new password at this point in the configuration procedure.
- **Step 4** Read the End User Licensing Agreement, check **I accept the terms and conditions**, and click **Login**.
- Step 5 On the Workflow page, click Cluster Creation with HyperFlex Edge.
- **Step 6** To perform cluster creation, you can import a *JSON configuration* file with the required configuration data. The following two steps are optional if importing a JSON file, otherwise you can input data into the required fields manually.
  - **Note** For a first-time installation, contact your Cisco representative to procure the factory preinstallation JSON file.
    - a. Click Select a file and choose your JSON file to load the configuration. Select Use Configuration.
    - **b.** An **Overwrite Imported Values** dialog box displays if your imported values for Cisco UCS Manager are different. Select **Use Discovered Values**.
- **Step 7** On the **Credentials** page, complete the following fields, and click **Continue**.

Name	Description			
	Cisco IMC Credentials			
Cisco IMC User Name	Cisco IMC username. By default, the username is <b>admin</b> .			
Password	CIMC password. By default, the password is <b>password</b> .			
	vCenter Credentials			
Configuring Your HyperFlex Cluster Server	FQDN or IP address of the vCenter server. You must use an account with vCenter root-level admin permissions.			
User Name	Administrator username.			
Admin Password	Administrator password.			
Hypervisor Credentials				
Admin User Name	Administrator username. By default, the username is <b>root</b> .			

Name	Description	
Hypervisor Password	Default password is Cisco123.	
	Important	Systems ship with a default password of <i>Cisco123</i> that must be changed during installation. You cannot continue installation unless you specify a new user supplied password.

Use the following screenshot as a reference to complete the fields in this page.

 sco HyperFlex Installer			0	0	0	0	o -
Credentials		IP Addresses		Duster Config	guration		
Cisco IMC Credentials Cisco IMC User Name eng-fi65 eng.com	Password 🗠		Conf	iguration	1		*
vCenter Credentials vCenter Server 10 64 53 54	User Name administrator@vsphere.local	Admin Password		configu	rag and dros ration files h	ere or	
Hypervisor Credentials Admin User name root					Select a File		
The hypervisor on this node uses the factory Hypervisor Password	default password			( Back		Continue	

### **Step 8** On the **IP Addresses** page, enter the assigned addresses for each server.

Name	Description
Cisco IMC	IP Address of Cisco IMC
Hypervisor	Management IP for Hypervisor
Storage Controller	Management IP for Storage Controller
Cluster IP Address	Cluster management IP address
Subnet mask	Subnet mask for cluster management
Gateway	Gateway IP address for cluster management IP

Use the following screenshot as a reference to complete the fields in this page.

	Cre	dentials		IP Addresses	Cluster Configuration	
IP Addres	sses			Add Server	Configuration	*
🗹 Make IF	Addresses Sequ	vential			Credentials	
11 ÷	Namen	Cisco IMC $\oplus$	Hypervisor ©	Storage Controller ©	vCenter Server User Name administra	10.64.53.54 ator@vsphere.local
					Cisco IMC User Name	eng-fi55.eng.com
÷.,	Server 1	10.10.10.10	10.10.10.20	10.10.10.30	Admin User name	root
•	Server 2	10.10.10.11	10.10.10.21	10.10.10.31		
	Server 3	10.10.10.12	10.10.10.22	10.10.10.32		
		Cluster IP Address	10.10.10.40			
		Subnet Mask	255.0.0.0			
		Gaterian	10 10 10 1			

**Step 9** On the **Cluster Configuration** page, complete the following fields, and click **Continue**.

Note Complete all the fields using your pre-install worksheet.

Name	Description
Cisco HX Cluster	
Cluster Name	User-supplied name for the HyperFlex storage cluster.
Replication Factor	Support for Replication Factor 3 for 3- and 4-Node edge clusters was introduced in HXDP Release 4.5.
	The default Replication Factor for a 2-Node edge cluster is <b>2</b> .
Controller VM	
Create Admin Password	There is no default password for the Controller VM. User needs to set this field
Confirm Admin Password	Confirm the Administrator password.
vCenter Configuration	
vCenter Datacenter Name	The name of the vCenter datacenter where the HyperFlex hosts were added.
vCenter Cluster Name	The name of the vCenter cluster where the HyperFlex hosts were added.
System Services	

Name	Description
DNS Server(s)	A comma-separated list of IP addresses for each DNS Server.
NTP Server(s)	A comma-separated list of IP addresses for each NTP Server.
	<b>Important</b> A highly reliable NTP server is required.
Time Zone	The local time zone for the controller VM.
Connected Services	
Enable Connected Services (Recommended)	Check to Enable Connected Services.
	Note We highly recommend enabling Connected Services to enable sending email alerts to Cisco TAC.
Send service ticket notifications to: <i>Example:</i> admin@cisco.com	Email address to receive service request notifications.
Advanced Networking	
Management VLAN Tag	Enter the correct VLAN tags if you are using trunk ports.
Data VLAN Tag	The VLAN tags must be different when using trunk mode.
	Enter <b>0</b> for both VLAN tags if you are using access ports.
	Note Do not enter 0 if you are using trunk ports.
Management vSwitch	Do not change the auto-populated vSwitch name.
Data vSwitch	
Advanced Configuration	
Enable Jumbo Frames on Data Network	Do not check to ensure HyperFlex Edge deployments use regularly-sized packets. You may optionally enable jumbo frames for 10/25GE deployments depending on your network configuration. For ease of deployment, it is recommended to uncheck this option.
Clean up disk partitions	Check to remove all existing data and partitions from every node in the HX storage cluster. For example, if this is not the first time installing the software on the cluster.
Optimize for VDi only deployment	Check to optimize VDI deployments. By default HyperFlex is performance optimized for Virtual Server Infrastructure (VSI). Check this box to tune the performance parameters for VDI deployments. This option has no affect on all-flash HX models and only needs to be enabled for hybrid HX clusters. If you are running mixed VDI and VSI workloads, do not select this option.
vCenter Single-Sign-On Server	FILL IN THIS HELD ONLY IT INSTRUCTED BY CISCO TAC.

Use the following screenshot as a reference to complete the fields in this page.

do HyperFlex Installer			0 0 0	<b>Ø</b> 4	₽
Credentials		IP Addresses	Cluster Configuration		
			Configuration		
Cisco HX Cluster			Configuration		î.
Cluster Name	Replication Factor 🕠		Credentials		j
EDGE_CLUSTER	2		vCenter Server	10.64.53.54	
			User Name administra	tor@vsphere.local	
Controller VM			Cisco IMC User Name	eng-fi55.eng.com	
			Admin User name	root	_
Create Admin Password	Confirm Admin Password		IP Addresses		
••••••			Cluster Name	EDGE_CLUSTER	
			Management Cluster	10.10.10.40	
Center Configuration			Management Subnet Mask	255.0.0.0	
0	12.4% a. 25 (12.5		Management Gateway	10.10.10.1	_
Center Datacenter Name	vCenter Cluster Name		Server 1		
datacenter	cluster		Management Cisco IMC	10.10.10.10	
			Management Hypervisor	10.10.10.20	
system Services			Management Storage Contro	ller 10.10.10.30	
	170 6		Server 2		
ONS Server(s)	NTP Server(s)	DNS Domain Name	Management Cisco IMC	10.10.10.11	
10.64.48.21	10.64.1.48		/ Park	Start	
lime Zone			, out	Start	-
(UTC+05:30) Chennai, Sri Jayawardenep	ura 🗸 🛈				
Connected Services					
	*				
Enable Connected Services	Send service ticket notifications to				
(Recommended)	admini@cisco.com				
Advanced Networking					
Management VLAN Tag	Management vSwitch				
10	vswitch-hx-inband-mgmt				
Data VLAN Tag	Data vSwitch				
11	vswitch-hx-storage-data				
Advanced Configuration Jumbo Frames Enable Jumbo Frames on Data Network © VCenter Single-Sign-On Server	Disk Partitions Clean up disk partitions	Virtual Desktop (VDI) Optimize for VDI only deployment			
ex: https:// <address>:7444/sts/ST\$Service</address>					

**Step 10** After deployment finishes, the **Summary Deployment** page displays a summary of the deployment details.

### What to do next

Confirm HX Data Platform Plug-in installation. See Verifying Cisco HX Data Platform Software Installation, on page 12

### Verifying Cisco HX Data Platform Software Installation

- **Step 1** Launch vSphere, and log into the vCenter Server as an administrator.
- Step 2 Under vCenter Inventory Lists, verify that Cisco HX Data Platform displays.

If the entry for Cisco HX Data Platform does not appear, log out of vCenter, close the browser, and log back in. In most cases, the issue is resolved by this action.

If logging out of vCenter does not fix the issue, you may have to restart the vSphere Web Client . SSH to the VCSA and run service vsphere-client restart. For a Windows vCenter, restart VMware vSphere Web Client in the services page in mmc.

**Step 3** Ensure that your new cluster is online and registered.

## Applicable for 10/25GE Switch Configurations

### (10/25GE only) Configuring Your HyperFlex Cluster

In your web browser, enter the IP address of the installer VM, and click Accept or Continue to bypass any SSL Step 1 certificate errors. Step 2 Verify the HyperFlex installer **Build ID** in the lower right corner of the login screen. Step 3 Log in to Cisco HX Data Platform Installer using username root and password Cisco123. Systems ship with a default password of Cisco123 that must be changed during installation. The HyperFlex Important on-premises installer requires changing the root password as part of deployment. You cannot continue installation unless you specify a new password. Use the new password at this point in the configuration procedure. Step 4 Read the End User Licensing Agreement, check I accept the terms and conditions, and click Login. On the Workflow page, click Cluster Creation with HyperFlex Edge. Step 5 On the Credentials page, complete the following fields, and click Continue. Step 6 Name Description vCenter Credentials

Name	Description		
vCenter Server	FQDN or IP address of the vCenter server. You must use an account with vCenter root-level admin permissions.		
User Name	Administrator username.		
Admin Password	Administrator password.		
CIMC Credentials			
CIMC User Name	CIMC username. By default, the username is <b>admin</b> .		
Password	CIMC password. By default, the password is <b>password</b> .		
Hypervisor Credentials			
Admin User Name	Administrator username. By default, the username is <b>root</b> .		
Admin Password	Default password is Cisco123.		
	<b>Important</b> Systems ship with a default password of <i>Cisco123</i> that must be changed during installation. You cannot continue installation unless you specify a new user supplied password.		

**Step 7** On the **IP Addresses** page, enter the assigned addresses for each server:

Name	Description
Cisco IMC	IP Address of Cisco IMC
Hypervisor	Management IP for Hypervisor
Storage Controller	Management IP for Storage Controller
Cluster IP Address	Cluster management IP address
Subnet mask	Subnet mask for cluster management
Gateway	Gateway IP address for cluster management IP

### **Step 8** On the **Cluster Configuration** page, complete the following fields, and click **Continue**.

**Note** Complete all the fields using your pre-install worksheet.

Name	Description		
Cisco HX Cluster			
Cluster Name	User-supplied name for the HyperFlex storage cluster.		
Replication Factor			

Name	Description						
Controller VM							
Create Admin Password	Default password is Cisco123.						
	<b>Important</b> Systems ship with a default password of <i>Cisco123</i> that must be changed during installation. You cannot continue installation unless you specify a new user supplied password.						
Confirm Admin Password	Confirm the Administrator password.						
vCenter Configuration							
vCenter Datacenter Name	The name of the vCenter datacenter where the HyperFlex hosts were added.						
vCenter Cluster Name	The name of the vCenter cluster where the HyperFlex hosts were added.						
System Services							
DNS Server(s)	A comma-separated list of IP addresses for each DNS Server.						
NTP Server(s)	A comma-separated list of IP addresses for each NTP Server.						
	<b>Important</b> A highly reliable NTP server is required.						
Time Zone	The local time zone for the controller VM.						
Auto Support							
Enable Auto Support (Recommended)	Check to enable Auto Support.						
	Note We highly recommend enabling Auto Support to enable sending email alerts to Cisco TAC.						
Send service tickets notifications to, for example: name@company.com	Email address to receive service request notifications.						

### **Step 9** On the **Advanced Cluster Configuration** page, complete the following fields, and click **Start**.

Name	Description
Advanced Networking	

I

Name	Description			
Uplink Switch Speed	Check the radio button for <b>10/25GE</b> . The <b>MAC Address Prefix</b> field appears. Provide the MAC Address Prefix.			
	Note The MAC Address Prefix is used to assign unique MAC addresses to the virtual interfaces of the Cisco VIC. Ensure you select a unique range to avoid any overlap with existing network equipment.			
Management VLAN Tag	<ul><li>Enter the correct VLAN tags if you are using trunk ports.</li><li>The VLAN tags must be different when using trunk mode.</li><li>Enter 0 for both VLAN tags if you are using access ports.</li></ul>			
Data VLAN Tag				
	<b>Note</b> Do not enter <b>0</b> if you are using trunk ports.			
Management vSwitch	Do not change the auto-populated vSwitch name.			
Data vSwitch				
Advanced Configuration				
Enable Jumbo Frames on Data Network	Check to enable Jumbo Frames for 10/25G deployments.			
Clean up disk partitions	Check to remove all existing data and partitions from every node in the HX storage cluster. For example, if this is not the first time installing the software on the cluster.			
Optimize for VDi only deployment	Check to optimize VDI deployments. By default HyperFlex is performance optimized for Virtual Server Infrastructure (VSI). Check this box to tune the performance parameters for VDI deployments. This option has no affect on all-flash HX models and only needs to be enabled for hybrid HX clusters. If you are running mixed VDI and VSI workloads, do not select this option.			
vCenter Single-Sign-On Server	Fill in this field only if instructed by Cisco TAC.			

Review the progress for any of the cluster configuration tasks on the **Progress** page. The deployment can take anywhere between 20-45 minutes to complete.

**Step 10** After deployment finishes, the **Summary Deployment** page displays a summary of the deployment details.

### What to do next

Confirm HX Data Platform Plug-in installation.

# **Logging into HX Connect**

Cisco HyperFlex Connect provides an HTML5 based access to HX Storage monitoring, and replication, encryption, datastore, and virtual machine tasks. This procedure provides a summary on launching and logging

into HX Connect. For the detailed procedure on logging in to HX Connect, see the Cisco HyperFlex Data Platform Administration Guide.

Step 1 Launch HX Connect UI from a browser of your choice from https://Cluster IP/ or https://FQDN.

• • • Cisco HyperFlex Connect ×				ā
← → C ▲ Not Secure   https://hx-eap-01-mgmt.ciscolab.dk/#/clusters/1				☆ 1
		cisco		
	Cisco H	HyperFlex Con	nect	
		,,		
		iyperFlex		
		and a		
		<u>3.0(1a)</u>		
	1 Lon			
	PASS		0	
				80
				 R State

**Step 2** Log in with the following credentials:

- Username—admin
- Password—Use the password set during cluster installation.

### What to do next

Run the post install script before the HyperFlex cluster is ready for production use. Depending on whether you are running in a 1GE or 10/25GE switch configuration, see: