

Cisco Spaces: Connector OVA

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Deploying the Connector 3 OVA (Single Interface)

This chapter provides information about how to download and deploy the Cisco Spaces: Connector 3 and obtain the URL for the connector GUI.

Before you begin

Ensure you have the minimum configuration required for installing connector OVA:

- 2 vCPU
- 4-GB RAM
- 120-GB hard disk
- **Step 1** Download connector OVA to your local system.
- Step 2 Create a virtual machine (VM) in the ESXi server and deploy the downloaded Cisco Spaces: Connector OVA.
- **Step 3** In the **1. Select an OVF template** window, click **UPLOAD FILES**, and select the corresponding connector OVA files or drag and drop the downloaded file, and click **Next**.

Figure 1: 1. Select an OVF template

\equiv 1. Select an OVF template	×
Select an OVF template from remote URL or local file system Enter a URL to download and install the OVF package from the Internet, or browse to a location accessib	e from your computer, such
as a local hard drive, a network share, or a CD/DVD drive. O URL	
http https://remoteserver-address/filetodeploy.ovf .ova	
Local file	
UPLOAD FILES cisco-dna-spaces-connector30-june2022-la51.ova	
	CANCEL NEXT

Step 4 In the 2. Select a name and folder window, enter a name for the VM, and choose a location for the VM, and click Next.

Figure 2: 2. Select a Name and Folder

\equiv 2. Select a nan	ne and folder		×
Specify a unique name and t	arget location		1
Virtual machine name:	cisco-dna-spaces-connector-30		
Select a location for the virtu	al machine.		
∨ 🗗 10.22.244.96			
> 🗊 SJC-20			
		CANCEL	BACK NEXT

Step 5 In the **3. Select a compute resource** window, select a destination compute resource, and click **Next**.

Figure 3: 3. Select a Compute Resource

elect the destinatio	n compute resource for this operation	 	
	ronding)		
ompatibility	necks succeeded.		

Step 6 In the **4. Review details** window, read and verify the template details, and click **Next**.

Figure 4: 4. Review Details

= 4. Review detail	s ×
Verify the template details.	
Publisher	No certificate present
Product	Cisco DNA Spaces Connector
Version	1
Vendor	Cisco Systems Inc.
Download size	1.5 GB
Size on disk	Unknown (thin provisioned) 120.0 GB (thick provisioned)
	CANCEL BACK NEXT

Step 7 In the **5. License agreements** window, read the license agreement that is displayed and scroll to the end. Check **I accept** all license agreements and then click **Next**.

Figure 5: 5. License Agreements

We will reserve part of the resources of CPU and memory based on your OVA selection.	
Standard Connector:	
2 vCPUs. 2000 Mhz will be reserved.	
4 GB Memory. 4GB will be reserved.	
Advanced1 Connector:	
VCPUs. 4000 Mhz will be reserved.	
3 GB Memory. 8GB will be reserved.	
Advanced2 Connector:	
3 vCPUs. 8000 Mhz will be reserved.	
6 GB Memory. 16GB will be reserved.	
Scroll down to	
accept the license	
agreement	
agreenterta	

Step 8 In the 6. Configuration window, choose one of the following, and click Next.

- Standard
- Advanced1
- Advanced2

Step 9 In the **7. Select storage** window, choose the standard storage configuration, and click **Next**.

Figure 6: 7. Select storage

7. Select stora Select the storage for the construct this virtual mach	ge onfiguration and di	sk files Management Se	anver)			
Select virtual disk format	Thick Provisio	on Lazy Zeroed	v v			
VM Storage Policy		Datasto	ore Default	~		
Disable Storage DRS for	this virtual machin	e				
Name T	Storage T Compatibility	Capacity T	Provisioned Y	Free T	Туре Т	Cluster
💿 🗎 datastore1 (1		5.44 TB	4.58 TB	1,014.88 GB	VMFS 6	
Compatibility						1 item
				CAN	CEL BACK	NEYT

Step 10

0 In the **8. Select networks** window, choose a destination network, and click **Next**.

Figure 7: 8. Select Networks

■ 8. Select networks Select a destination network for each source network.	×
Source Network	Destination Network
NAT	VM Network ~
	1 item
IP Allocation Settings	
IP allocation:	Static - Manual
IP protocol:	IPv4
	CANCEL BACK NEXT

Step 11 In the 9. Ready to complete window, review the configurations and click Finish.

Figure 8: 9. Ready to Complete

\equiv 9. Ready to	complete		×
✓ Select a name and	rolder		
Name	cisco-dna-spaces-connector-30		
Template name	cisco-dna-spaces-connector		
Folder	SJC-20		
✓ Select a compute r	esource		
Resource	10.22.244.92		
\checkmark Review details			
Download size	1.5 GB		
		CANCEL	FINISH

 Step 12
 Power on your VM and log in to the terminal and enter the default username root and default password root.

 Figure 9: First Login Credentials root/root

For the first login Login as username: root password: root localhost login: _	

Step 13 Choose an network interface to configure as PRIMARY.

Figure 10: Configuring the Primary Interface: IPv4



Figure 11: Configuring the Primary Interface: IPv6



- **Step 14** Do one of the following, and then configure the network settings for the PRIMARY interface. Specify parameters such as IP address, hostname, and so on.
 - Configure the IPv6 stack.
 - Configure the IPv4 stack.

You can add multiple DNS servers as a comma separated list in this step. After the task is complete and the Cisco Spaces: Connector is deployed, you can login to the connector CLI, and run the **connectorctl network config** command to add more DNS servers or edit the existing list.

- **Step 15** Confirm the setup.
 - **Note** Because this configuration window times out in 120 seconds, ensure that you provide the input on time to avoid reconfiguration.
- **Step 16** Reset the password for the **spacesadmin** user.
- **Step 17** Enter the time zone.

Figure 12: Time Zone

Timezone setup Would you like to setup timezone? (blank for default value (UTC)) yes 1. America - Press 1 2. America - Press 2 3. America - Press 3 4. Anstroll to - Press 4 5. Burope - Press 5 Select an option from the list above: (blank for default (Default value is 2)) 2. America/Buenos, Aires - Press 2 3. America/Buenos, Aires - Press 3 4. America/Buenos - Press 3 5. Maerica/Buenos - Press 5 6. America/Buenos - Press 5 7. America/Buenos - Press 5 8. America/Buenos - Press 5 9. America/Buenos - Press 5 9. America/Buenos - Press 1 1. America/Buenos - Press 1 1. America/Buenos - Press 10 1. America/Buenia - Press 12 1. America/Buenos - Press 12 1. America/Buenos - Press 12 1. America/Buenos - Press 12 1. America/Buenos - Press 13 Select an option From the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services	nn-3-244-99	
Timezone setup tould you like to setup timezone? (blank for default value (UTC)) yes 1. America - Press 1 2. America - Press 2 3. Amistralla - Press 3 4. Australla - Press 3 5. Borope - Press 5 Select an option from the list above: (blank for default (Default value is 2)) 2. 1. America/Anchorage - Press 2 3. America/Decision Aires - Press 2 3. America/Decision Aires - Press 3 4. America/Decision Aires - Press 5 5. America/Decision City - Press 6 7. America/Decision - Press 1 10. America/Decision - Press 19 11. America/Decision - Press 10 11. America/Sao_Paulo - Press 12 13. America/Ancouver - Press 12 13. America/Ancouver - Press 12 13. America/Ancouver - Press 12 13. America/Ancouver - Press 12 3. Select an option From the list above: (blank for default (Default value is 1)) 5 5 5 5 5 5 5 5 5 5 5 5 5		
<pre>would gou like to setup timezoner (blank for default value (ult)) yes 1. Africa - Press 1 2. America - Press 2 3. America - So + 4 5. Durope - Press 5 3. America - America</pre>		Timezone setup
<pre>ues arria - Press 1 3. Arria - Press 3 4. Arria - Press 3 5. Burope - Press 5 Select an option from the list above: (blank for default (Default value is 2)) 2. 1. America/Durons, Aires - Press 1 2. America/Durons, Aires - Press 2 3. America/Durons - Press 3 4. America/Durons - Press 4 5. America/Durons - Press 5 6. America/Durons, Press 6 7. America/Durons, Press 6 9. America/Durons, Press 10 11. America/Socjaulo - Press 12 12. America/Socjaulo - Press 12 13. America/Muncuter - Press 12 14. America/Muncuter - Press 12 15. Setting timezone and restarting services</pre>		Would you like to setup timezoner (blank for default value (UIC))
<pre>1. mrita - Press 1 2. America - Press 2 3. Acta - Tress 1 3. Acta - Tress 2 3. Acta - Tress 3 4. Dia - Tress 3 5. Direct an option from the list above: (blank for default (Default value is 2)) 2 7. America/Inchorage - Press 1 2. America/Inchorage - Press 2 3. America/Inchorage - Press 3 4. Acta - Tress 4 5. America/Inchorage - Press 5 6. America/Nencius - Press 6 7. America/Nencius - Press 7 8. America/Nencius - Press 1 1. America/SacJaulo - Tress 10 1. America/SacJaulo - Tress 11 1. America/SacJaulo - Press 12 1. America/Nencius - Press 12 1. America/Nencius - Press 12 1. America/Nencius - Press 12 3. America/Nencius - Press 14 3. America/Nencius - Pre</pre>		ges A Africa Reserve
 a. American trass 3 a. American trass 4 b. Burrope - Press 5 c. Burrope - Press 5 Select an option from the list above: (blank for default (Default value is 2)) 2. American Buenos, Aires - Press 1 c. American Buenos, Aires - Press 5 d. American Buenos, Aires - Press 6 d. American Buenos, Aires - Press 1 d. American Buenos, Aires - Press 10 d. American Buenos, Aires - Press 12 d. American American Press 12 d. American American Press 13 d. American American Press 14 d. American Buenos, Press 13 d. American American Press 13 d. American American Press 13 d. American American Press 14 d. American American Press 15 d. American American Press 12 d. American American Press 12 d. American American Press 13 d. American American Press 14 d. American American Press 14 d. American Press 14 d. American Press 15 d. American American Press 14 d. American Press 14 <lid. 14<="" american="" li="" press=""> <l< th=""><th></th><th>1. HIFIGA - FRESS 1</th></l<></lid.>		1. HIFIGA - FRESS 1
 A Data Trails - Suss 4 Barrelia - Suss 4 Barrelia - Suss 4 Barrelia - Suss 4 Barrelia - Suss 4 America - Annona - Fress 1 America - Annona - Fress 4 America - Annona - Fress 4 America - Annona - Fress 4 America - Annona - Fress 7 America - Annona - Fress 10 America - Annona - Fress 12 America - Annona - Fress 13 Select an option - Fress 12 Setting timezone and restarting services 		2. for a Press 2
 5. Europe - Press 5 Sciect an option from the list above: (blank for default (Default value is 2)) 2. America/hicapon - Press 1 2. America/hicapon - Press 3 3. America/hicapon - Press 4 5. Muerica/hicapon - Press 5 6. America/hicapon - Press 7 9. America/hicapon - Press 9 9. America/hicapon - Press 10 11. America/aso Paulo - Press 10 11. America/aso Press 12 12. America/hicapon - Press 12 13. America/hicapon - Press 12 14. America/hicapon - Press 12 15. America/hicapon - Press 12 16. America/hicapon - Press 12 17. America/hicapon - Press 12 18. America/hicapon - Press 12 19. America/hicapon - Press 12 10. America/hicapon - Press 12 11. America/hicapon - Press 12 12. America/hicapon - Press 14 13. America/hicapon - Press 14 14. America/hicapon - Press 15 15. America/hicapon - Press 16 16. America/hicapon - Press 17 17. America/hicapon - Press 18 18. America/hicapon - Press 12 19. America/hicapon - Press 12 19. America/hicapon - Press 14 10. America/hicapon - Press 14 11. America/hicapon - Press 14 12. America/hicapon - Press 14 13. America/hicapon - Press 14 14. America/hicapon - Press 14 15. America/hicapon - Press 14 16. America/hicapon - Press 14 17. America/hicapon - Press 14 18. America/hicapon - Press 14 19. America/hicapon - Press 14 19. America/hicapon - Press 14 10. America/hicapon - Press 14 11. America/hicapon - Press 14 12. America/hicapon - Press 14 13. America/hicapon - Press 14 14. America/hicapon - Press 14 15. Americapon - Press 14 15. America/hicapon -		d ductalia - Proce d
Science an option from the list above: (blank for default (Default value is 2)) 2 2 3 4 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7		1. mastaria - ricos r
2 control of the second		Selection from the list above: (blank for default (Default value is 2))
1. America/honos/fres = Press 1 2. America/honos/fres = Press 2 3. America/honos/fres = Press 3 4. America/honos/fres = Press 3 5. America/honos/fres = Press 5 6. America/honos/fres / Press 6 7. America/honos/ress 7 8. America/honos/ress 7 10. America/Socjaulo - Press 10 11. America/Socjaulo - Press 12 13. America/Anonover - Press 12 13. America/Anonover - Press 13 3. Clear an option From the list above: (blank for default (Default value is 1)) 5 5. Setting timezone and restarting services		
2. America/Dicago - Press 2 3. America/Dicago - Press 3 4. America/Dicago - Press 4 5. America/Dicago - Press 5 6. America/Dicago - Press 5 7. America/Dicago - Press 7 8. America/Dicago - Press 7 8. America/Dicago - Press 10 11. America/Suc Fuelo - Press 11 12. America/Suc Fuelo - Press 12 13. America/Amenuer - Press 13 Select an option From the list above: (blank for default (Default value is 1)) 5 5 5 5 5 5 5 5 5 5 5 5 5		1. America/Anchorage - Press 1
3. America/chicago - Press 3 4. America/backer - Press 4 5. America/backer - Press 5 6. America/backer (514) - Press 5 7. America/backer - Press 7 9. America/backer - Press 7 10. America/backer - Press 10 11. America/Sau Jaulo - Press 11 12. America/Sau Jaulo - Press 12 13. America/Amenuwer - Press 12 13. America/Amenuwer - Press 12 13. America/Jamenu - Press 12 13. America/Jamenu - Press 12 14. America/Jamenu - Press 12 15. Select an option From the list above: (blank for default (Default value is 1)) 5. Setting timezone and restarting services		2. America/Buenos Aires - Press 2
4. America/Denver 5. America/Denver 6. America/Desiloo_City Press 5 6. America/Desiloo_Fress 6 7. America/Denverix - Press 9 9. America/Denverix - Press 9 18. America/Sontiago - Press 10 11. America/Sontiago - Press 11 12. America/Sontiago - Press 12 13. America/Sontonuto - Press 13 3. Select an option from the list above: (blank for default (Default value is 1)) 5 5 Setting timezone and restarting services -		3. America/Chicago - Press 3
5. America/Los, Angeles - Press 5 6. America/Hexico (Liu - Press 6 7. America/Hexiv, Vork - Press 7 8. America/Bonix - Press 9 9. America/Sontago - Press 10 11. America/Sontago - Press 11 12. America/Noncouver - Press 12 13. America/Noncouver - Press 13 3siedet an option from the Hist above: (blank for default (Default value is 1)) 5 5 Setting timezone and restarting services		4. America/Denver - Press 4
6. America/Mexico_City - Press 6 7. America/Mexico_ Press 7 8. America/Bonenix - Press 9 9. America/Santiago - Press 9 18. America/Son 10 - Press 11 11. America/Son 20 - Press 12 13. America/Sononto - Press 13 3. elect an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services		5. America/Los_Angeles - Press 5
7. America/Heniy-Press 7 8. America/Beniy-Press 7 9. America/Boniy-Press 9 18. America/Santigo - Press 10 11. America/Santopor - Press 11 12. America/Jonoto - Press 12 13. America/Jonator - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services		6. America/Mexico_City - Press 6
0, America/Bhonnix - Press 0 9, America/Santiago - Press 19 10, America/Santiago - Press 11 11, America/San Paulo - Press 11 12, America/Toronto - Press 12 13, America/Toronto - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services		7. America/New_York - Press 7
9. America/Bagina - Press 9 18. America/Santiago - Press 10 11. America/San Jaulo - Press 11 12. America/Jonnoto - Press 12 13. America/Joncouver - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services		8. America/Phoenix - Press 8
18. America/Santiago - Press 18 11. America/San Paulo - Press 11 12. America/Toronto - Press 12 13. America/Mancouver - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services -		9. America/Regina - Press 9
11. America/Sau,Paulo - Press 11 12. America/Saucouver - Press 13 13. America/Annouver - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services -		10. America/Santiago - Press 10
12. America/Toronto - Press 12 13. America/Narcouve - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services -		11. America/Sao_Paulo - Press 11
13. America/Auncouver - Press 13 Select an option from the list above: (blank for default (Default value is 1)) 5 Setting timezone and restarting services -		12. America/Toronto - Press 12
Select an option from the list above: (blank for default (befault value is 1)) 5 Setting timezone and restarting services -		13. America/Vancouver - Press 13
Setting timezone and restarting services		Select an option from the list above: (blank for default (Default value is 1))
Setting timezone and restarting services		Solding dispanse and undertain annulan
		setting timezone and restarting services

Figure 13: Configure NTP

Step 18 Enter the Network Time Protocol (NTP) server name to synchronize the system time with that of NTP server, or leave it blank if you do not want to configure an NTP server.

 Configure NTP

 Checking status for server: htp.esl.cisco.com

 Status check successful for server: htp.esl.cisco.com

 Arming: The unit file, source configuration file or drop-ins of chronyd.service changed on tick. Nor 'sgotemett' doeson reload'

 NTP configure 11:

 Status check success

Step 19 Note the URL (https://connector-ip) before the automatic reboot. You can use this URL later to open the connector GUI.

Figure 15: ConnectorGUI

Cisco Spaces Connector UI:		
https://10.22.244.180		
Jsername log in: spacesadmin		
The install is complete, a reboot will occur	in 5	seconds
_		

Step 20In a browser window, enter the noted URL and press Enter to open the connector GUI. Log in as a spacesadmin user.Figure 16: Connector GUI

SPACES Connect	tor 3.1						е
🖄 Dashboard							
Configure Connector	 Configure Token Without the token, the con 	nector will not be able to start.					Configure Token ×
Configure HTTP proxy							
Privacy Settings	11	General Information				Primary Interfa	ce
Manage API Keys	0	Connector Name	Not Available	HA Config Mode	Not VIP Paired	IP Address	10.89.45.92/24
	Connector 3.1	Conceptor ID	Not Available			MAL Address	00505654754308
Troubleshoot	Hostrame com-pri	Instance ID	005056x754c8			DNS Server	
	Package correctora po+	Praxy				Domain	
	Show More	NTP Address	ntp.esl.cisco.com			IP Stack	ipv4
		NTP Status	active (running)				
	Health						
	Cloud Reachability	Connected	Memory Percentage Usage	11.1 % 🛈			
	CPU Percentage Usage	0.6 % ①	Running Status	Up 🛈			
	Disk Percentage Usage	4.8 % ()	System Load Average	0 ①			
	Disk Usage	4469.07 MB ①	Up time	5d 3h 32m 51s 🛈			
	Memory Usage	435.62 MB 🛈					
	Services C						
	Service Manager	3.1.0.92	ф.	6 M			
	Up time	5d 3h 31m 9s 🛈					
	Control Channel	Down					
	CPU Usage (%)	0.33 % ①	Looking fo	r other services?			
	Memory Usage (%)	4.74 % ()	Follow steps	below to add services			
	Memory Usage	185.89 MB 🛈	1 Login	to Cisco Spaces			
	Dick Lisopo (N)	0 % (C)	Globa	https://dnaspaces.jo/home			

Note The root user is disabled and is used only for advanced troubleshooting by the Cisco Support team.

What to do next

You can now Configure this Connector on Cisco Spaces.

Deploying the Cisco Spaces: Connector OVA (Dual Interface)

If you need to connect the connector to two separate customer networks in network deployments, you can use a dual-interface deployment. We recommend this deployment in scenarios where you manage devices on private or internal networks. To set up this deployment, you must use two interfaces:

- PRIMARY interface: Used to transmit traffic to Cisco Spaces.
- SECONDARY interface: Used by connector to interact with devices such as wireless controller, access
 points, or switches, over a private or internal network. You can also allow SSH and GUI (443) access to
 connector on this interface with additional configurations (disabled by default). Ensure that the connector
 is part of subnet routes to access it.

Figure 17: Dual Interface Deployment



Note We recommend that you connect the wireless controller to a private network as it enables the connector to establish SSH connections with the wireless controller.

Before you begin

Ensure that the Cisco Unified Computing System (Cisco UCS) device where you install the Open Virtualization Appliance (OVA) is connected to two separate networks. In this network configuration, the Cisco UCS device is configured with two physical network interface cards (NICs). Each NIC is connected to a switch. In this way, the Cisco UCS device is connected to two networks.

Step 1 Download connector 3 from Cisco.com.

- **Step 2** Create a virtual machine in the ESXi server and deploy the downloaded Cisco Spaces: Connector OVA.
- Step 3In the Select creation type window, choose Deploy a virtual machine from an OVF or OVA file, and click Next.Figure 18: Select Creation Type

🔁 New virtual machine		
1 Select creation type 2 Select OVF and VMDK files 3 Select storage	Select creation type How would you like to create a Virtual Machine?	
4 License agreements 5 Deployment options 6 Additional settings 7 Ready to complete	Create a new virtual machine Deploy a virtual machine from an OVF or OVA file Register an existing virtual machine	This option guides you through the process of creating a virtual machine from an OVF and VMDK files.
Viiivare		Back Next Finish Cancel

Step 4 In the **Select OVF and VMDK files** window, enter a name for the virtual machine. Click the blue area to either select files from the computer or drag and drop files. Click **Next**.

😚 New virtual machine - dualInterfac	ce-conn180
 1 Select creation type 2 Select OVF and VMDK files 3 Select storage 	Select OVF and VMDK files Select the OVF and VMDK files or OVA for the VM you would like to deploy
4 License agreements 5 Deployment options 6 Additional settings	Enter a name for the virtual machine. dualinterface-conn 180
7 Ready to complete	Virtual machine names can contain up to 80 characters and they must be unique within each ESXI instance.
	× 🚾 cisco-spaces-connector3-p84-apr2023.ova
vm ware [.]	
	Back Next Finish Cancel

Figure 19: Select OVF and VMDK files

Step 5 In the **Select storage** window, the **Standard** storage configuration is displayed. Click **Next**.

Figure 20: Select Storage

🔁 New virtual machine - dualInterface	-conn180					
 1 Select creation type 2 Select OVF and VMDK files 3 Select storage 4 License agreements 5 Deployment options 6 Additional settings 7 Ready to complete 	Select storage Select the storage type and datastore Standard Persistent Memory Select a datastore for the virtual machine's	configuration file	s and all of its'	virtual disks.		
	Name	Capacity ~	Free ~	Туре	✓ Thin pro… ✓	Access ~
	datastore1	924 GB	837.1 GB	VMFS6	Supported	Single
						1 items
vm ware [*]						
			B	ack	Next Finis	h Cancel

Step 6 In the **License agreements** window, read the license agreement that is displayed and scroll to the end. Click **I Agree** and then click **Next**.

Figure 21: License agreements

1 Select creation type 2 Select OVF and VMDK files	License agreements Read and accept the license agreements
3 Select storage 4 License agreements 5 Deployment options 6 Ready to complete	Accept Resource R
o Ready to complete	We will reserve part of the resources of CPU and memory based on your OVA selection.
	Standard Connector: 2 vCPUs. 2000 MMz will be reserved. 4 GB Memory. 4GB will be reserved.
	Advancedi Connector: 4 vCPUS. 4000 MHz will be reserved. 8 GB Memory. GGB will be reserved. Advanced2 Connector:
	8 VCPUS. 8800 MDz will be reserved. 16 GB Memory. 16GB will be reserved.
	Standard (Dual Interface) Connector: 2 vCFUs. 2000 MHz will be reserved. 4 GB Wenory. 4GB will be reserved. 2 MICS will be used. advancedi (Dual Interface) Connector:
	4 vCRUs. 4000 MKz will be reserved. 8.GR Memory
vm ware [®]	I agree

Step 7

- In the **Deployment options** window, do the following:
- a) In the **PrimaryInterface** field, enter the name of the external-facing interface.
- b) In the **SecondaryInterface** field, enter the name of the private-facing interface.
- c) From the **Deployment type** drop-down list, choose one of the following deployment types.

I

- Standard (Dual Interface)
- Advanced1 (Dual Interface)
- Advanced2 (Dual Interface)

Figure 22: Deployment options

1 Select creation type 2 Select OVF and VMDK files 3 Select storage	Deployment options Select deployment options				
4 License agreements 5 Deployment options 6 Ready to complete	Network mappings	PrimaryInterface SecondaryInterface	VM Network vlan7-private-portGp	~	
	Deployment type	Standard Standard Advanced1		~ be r	
	Disk provisioning	Advanced2 Standard (Dual Interface) Advanced1 (Dual Interface) Advanced2 (Dual Interface)			
vm ware [®]					

Step 8

8 Review the configurations and click **Finish**.

Figure 23: Ready to complete

😚 New virtual machine - dualInterface	e-conn180					
 1 Select creation type 2 Select OVF and VMDK files 3 Select storage 	Ready to complete Review your settings selection before finishing the wizard					
 4 License agreements 5 Deployment options 6 Ready to complete 	Product	Cisco Spaces Connector				
	VM Name Files	dualInterface-conn180 cisco-spaces-connector-disk1.vmdk				
	Datastore	datastore1				
	Provisioning type	Thin				
	Network mappings	PrimaryInterface: VM Network,SecondaryInterface: vlan7-private-portGp				
	Guest OS Name	AlmaLinux-8.4 64-bit				
	Profile	The resources consumed by this configuration are: 2 vCPUs. 2000 Mhz will be res erved. 4GB Memory. 4GB will be reserved. 2 NICs will be used.				
	Do not refresh y	our browser while this VM is being deployed.				
		Back Next Finish Cancel				

Step 9 Log in to the terminal and enter the default username **root** and default password **root**.

Step 10 Configure the host name for the connector.

Step 11 Choose an network interface to configure as PRIMARY.

Figure 24: Configuring the Primary Interface: IPv4



Figure 25: Configuring the Primary Interface: IPv6



- **Step 12** Do one of the following, and then configure the network settings for the PRIMARY interface. Specify parameters such as IP address, hostname, and so on.
 - Configure the IPv6 stack.
 - Configure the IPv4 stack.

You can add multiple DNS servers as a comma separated list in this step. After the task is complete and the Cisco Spaces: Connector is deployed, you can login to the connector CLI, and run the **connectorctl network config** command to add more DNS servers or edit the existing list.

- **Step 13** Reset the password for the **spacesadmin** user.
- **Step 14** Confirm the setup.
 - **Note** Because this configuration window times out in 120 seconds, ensure that you provide the input on time to avoid reconfiguration.
- **Step 15** Enter the time zone.

Figure 26: Time Zone

conn-3-244-99	
	Timezone setup Would you like to setup timezone? (blank for default value (UTC)) yes 1. Africa - Press 1 2. America - Press 2 3. Asia - Press 2 4. Australia - Press 4
	5. Europe - Press 5 Select an option from the list above: (blank for default (Default value is 2))
	2 1. America/Anchorage - Press 1 2. America/Buenos, Aires - Press 2 3. America/Buenos - Press 3 4. America/Buenos - Press 3 5. America/Atxico_City - Press 5 6. America/Atxico_City - Press 7 7. America/Atxico_City - Press 7 8. America/Buenix - Press 9 9. America/Santiago - Press 19 19. America/Santiago - Press 11 1. America/Santiago - Press 11
	12. America/Toronto - Press 12 13. America/Vancouver - Press 13 Select an oution from the list above: (blank for default (Default value is 1))
	5 Setting timezone and restarting services

Step 16 Enter the Network Time Protocol (NTP) server name to synchronize the system time with that of NTP server, or leave it blank if you do not want to configure an NTP server.

Figure 27: Configure NTP

dualInterface-conn180	🖬 🖬 🖷 🎇 Actions 🛞	
Configure NTP Enter comma separated NTP servers list (blank for no NTP server): ntp.esl.cisco.com Checking status for server: ntp.esl.cisco.com Status check successful for server: ntp.esl.cisco.com Manimum The nound film common configuration file on domaine of channed on Hi	Configure NTP	
to reload units. NTP configuration: success	an nan aga cano a aacinan a caada	
Figure 28: Configure NTP		
Configure NTP		

Step 17 Note the URL (https://connector-ip) before the automatic reboot. You can use this URL later to open the connector GUI.

Configure NTP

Figure 29: ConnectorGUI

status for

s for server: accessful for

Cisco Spaces Connector UI:	
nttps://10.22.244.180	
lsername log in: spacesadmin	
The install is complete, a reboot will occur in 5 seconds	

Step 18 Wait for the completion of the reboot, and login as a **spacesadmin** user.

list

(blank fo

er: rtp5-b5-rbb-ntp1-v6.cisco.com for server: rtp5-b5-rbb-ntp1-v6.cisco.com

Step 19 Configure the secondary interface using the connectorctl network config command

L

Connection SECONDARY (5e970417-13b4-4ad8-af12-d125ce407c49) successfully added. Network setup completed with given configuration. Secondary interface - Added routes. Secondary interface - Configured firewall zone. System reboot will happen in 10 seconds. Do not execute any other command...

Step 20 Verify the network Settings of external-facing network using the **connectorctl network show** command.

Interface - PRIMARY

```
Network configuration for stack:ipv4

Ip Address - 10.22.244.180/24

Mac Address - 00:0C:29:EE:24:8A

Gateway - 10.22.244.1

Dns - 172.70.168.183
```

Interface - SECONDARY

- cisco.com

Domain

Network configuration for stack:ipv4 Ip Address - 7.7.0.11/24 Mac Address - 00:0C:29:EE:24:94 Gateway - 7.7.0.1 Dns - 172.70.168.183 Domain - cisco.com

========end=================

You can use the **connectorctl network show -n PRIMARY** and **connectorctl network -n SECONDARY** to see information specific to these interfaces.

Step 21 In a browser window, navigate to the noted URL to open the connector GUI. Log in as a spacesadmin user.

Figure 30: ConnectorGUI

SPACES Connector	or 3.1 https://connector-ip						Θ
Dashboard Configure Connector Configure HTTP proxy Privacy Settings	Connector 3.1	General Information Connector Name Tenant ID Connector ID	fastlocate-ha-cip 12212 486369291458902	280000	HA Config Mode HA VIP HA State	VIP Paired 7.7.0.25 BACKUP	
Manage API Keys	Package connector3-p84 Show More	Instance ID Proxy NTP Address NTP Status	000c29d6e4cd Not Available ntp.esl.cisco.com active (running)		HA Instance Channel Status HA Peer instance ID HA Peer IP	UP 000c292a43c6 7.7.0.20	
	Primary Interface IP Address 10.22.244.11424 MAC Address 00.0C.29.06.E4.CD Gateway 10.22.244.1 DNS Server 171.70.168.183 Domain cisco.com IP Stack ipv4			Secondary IP Address MAC Address Gateway DNS Server Domain IP Stack	/ Interface 7.7.0.21/24 s 00:0C-29:D6:E4:D7 7.7.0.1 171.70.168.183 cisco.com jpv4		
	Health Cloud Reachability Connu CPU Percentage Usage 6.1 %	ected 5 (D)	Memory Percentage Running Status) Usage	33 % () Up ()		

Note

The root user is disabled and is used only for advanced troubleshooting by the Cisco Support team.

Using Snapshots for Backup

You can use the snapshot of a deployed connector OVA for backing up your connector. Ensure that the following prerequisites in place:

- · connector is deployed.
- All the services are started.
- · connector is added to Cisco Spaces.

Figure 31: Backing Up Using a Snapshot





Note

Proxies are not carried over during a snapshot restore. You have to reconfigure proxies.

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