

# **Proxy**

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## **Configure a Proxy**

You can set up a proxy to connect the Connector to Cisco Spaces, if the infrastructure hosting the Connector is behind a proxy. Without this proxy configuration, the Connector is unable to communicate with Cisco Spaces

To configure proxy on the Connector, you must do the following:

**Step 1** In the Connector GUI left navigation pane, click **Configure HTTP Proxy**. Enter your proxy address in the dialog box that is displayed.



### Figure 1: Setup Proxy

Note: If the machine is behind a proxy, Connector won't be able to interact with the cloud. Configure Proxy to get the connector working
Proxy URL
Configure Lisername and Password (Ontional)
Proxy Username
Proxy Password
Save

To configure the proxy's basic authentication credentials, click Configure Username and Password.

**Step 2** You can troubleshoot any issues in proxy configuration. Click **Troubleshoot** and select the Cisco Spaces URL.

### Figure 3: Troubleshoot Proxy Issues

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P	Manage API Keys	Recent Tests	
	Troubleshoot	**	
		No test has been run	

#### Figure 4: Sample Run Test Results

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Þ	Manage API Keys	Recent Tests			
	Troubleshoot	Troubleshoot Complete.			
		<ul> <li>Cloud Endpoint DNS Resolution ()</li> <li>3 seconds ago</li> </ul>	Troubleshoot DNS Resolution for https://connector.qa-dnaspaces.j	6	View Log
		<ul> <li>HTTP Proxy Reachability ()</li> <li>11 seconds ago</li> </ul>	Checking HTTP proxy http://proxy.esl.cisco.com:80 reachability		View Log
		HTTP Proxy Server Diagnostics () 3 seconds ago	Testing proxy availability using netcat for proxy: http://proxy.esl.cis	sco.cam:80	View Log
		Connector Token Diagnostics () 1 seconds ago	Validating spaces cloud token configuration		View Log
		Cloud Reachability () 3 seconds ago	Reachability test to https://connector.ge-dnaspaces.io.using.curl.c http://proxy.est.cisco.com/80	command with proxy:	View Log
		Service Connectivity () 3 seconds ago	Checking service connectivity to cloud endpoint https://connector. Manager with proxy http://proxy.asl.cisce.com.80	ga-dnaspaces.ic from Service	View Log
		Download Diagnostics Logs			

## **Configure a Transparent Proxy**

To configure a transparent proxy on the Connector, you must do the following:

- 1. Copy the proxy server certificate and the proxy server certification authority (CA) bundle to the Connector.
- 2. From the Connector CLI, validate the proxy certificate.
- 3. From the Connector CLI, import proxy certificates.
- 4. From the Connector GUI, configure the proxy URL.

**Step 1** Copy the proxy certificate to the Connector using scp.

```
The following is a sample command.
```

```
scp proxy-ca-bundle.pem spacesadmin@[connector-ip]:/home/spacesadmin/
scp proxy-server-cert.pem spacesadmin@[connector-ip]:/home/spacesadmin/
```

**Step 2** Log in to the Connector CLI, and validate the copied proxy certificate using the **connectorctl cert validate** command. The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert validate -c /home/spacesadmin/proxy-ca-bundle.pem -s
/home/spacesadmin/proxy-server-cert.pem
Executing command:cert
Command execution status:Success
------
/home/spacesadmin/proxy-ca-bundle.pem and /home/spacesadmin/proxy-server-cert.pem exists
/home/spacesadmin/proxy-server-cert.pem: OK
Validation of certificate is successful
```

For more information on this command, see connectorctl cert validate.

## **Step 3** Import the proxy certification authority (CA) certificates along with other certificates using the **connectorctl cert updateca-bundle** command.

The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert updateca-bundle -c /home/spacesadmin/proxy-ca-bundle.pem
-s /home/spacesadmin/proxy-server-cert.pem
Executing command:cert
Command execution status:Success
------
/home/spacesadmin/proxy-ca-bundle.pem and /home/spacesadmin/proxy-server-cert.pem exist
/home/spacesadmin/proxy-server-cert.pem: OK
CA trust bundle updated successfully
System reboot will happen in 10 seconds. Do not execute any other command.
```

For more information on this command, see connectorctl cert updateca-bundle.

**Step 4** In the Connector GUI left navigation pane, click **Configure HTTP Proxy**. Enter your proxy address in the dialog box that is displayed.

#### Figure 5: Setup Proxy

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S	PACES Connector 3.1		Θ	
	SPACES  Developed of  Develop	Note:         If the machine is behind a proxy, Connector won't be able to interact with the cloud. Configure Proxy to get the connector working.         Pray UB:         http://proxy.ell.clico.com.80         Configure Username and Password (Optional)         To configure new proxy, remove the existing proxy. Remove Proxy		



Note: If the machine is behind a proxy, Connector won't be able to interact with the cloud. Configure Proxy to get the connector working
Proxy URL
Configure Username and Password (Optional)
Proxy Username
Proxy Password
Save

To configure the proxy's basic authentication credentials, click Configure Username and Password.

Step 5You can troubleshoot any issues in proxy configuration. Click Troubleshoot and enter the Cisco Spaces URL.Figure 7: Troubleshoot Proxy Issues

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SPACES Connect	tor 3.1	Θ
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Configure Connector		
Configure HTTP proxy	Connector Diagnostics is a workflow that detects common problems with your spaces connector instance. It will run tests to diagnose operational issues in different stages of the spaces connector. Upon completing the diagnostics tests, you can download the connector logs to share with Cisco for advanced troubleshooting.	https://connector.qs-dnaspaces.io V Run New Test
Privacy Settings	Click on "Run New Test" to begin diagnosing your spaces connector instance. Click on "View Log" to see more information for that specific test.	
Manage API Keys	Recent Tests	
Troubleshoot	Ko test has been run	

### Figure 8: Sample Run Test Results

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6	Configure Connector				
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۵	Privacy Settings	Click on 'Run New Test' to begin diagnosing your spaces connector instance. Click on 'View Log' to see more information for that specific test.			
P	Manage API Keys	Recent Tests			
	Troubleshoot	Troubleshoot Complete.			
		Cloud Endpoint DNS Resolution () 3 seconds ago	Troubleshoot DNS Resolution for https://connector.qa-dnaspaces.	io	View Log
		HTTP Proxy Reachability () 11 seconds ago	Checking HTTP proxy http://proxy.esl.ciscc.com/90 reachability		View Log
		HTTP Proxy Server Diagnostics () 3 seconds ago	Testing proxy availability using netcat for proxy: http://proxy.esi.cli	sco.com:80	View Log
		Connector Token Diagnostics () 1 seconds ago	Validating spaces cloud token configuration		View Log
		Cloud Reachability () 3 seconds ago	Reachability test to https://connector.qs-dnaspaces.io using curl http://proxy-asi.cisco.com/80	command with proxy:	View Log
		Service Connectivity () 3 seconds ago	Checking service connectivity to cloud andpoint https://connector Manager with proxy: http://proxy.asi.clsco.com.80	r.qa-dnaspaces lo from Service	View Log
		Download Diagnostics Logs			

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