

Peering Routers

Peering Routers

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Routers

[Add Router](#)

Routers with Peer Groups

Name	Slug	Make	Model	Peer Groups
lab1-juniper	lab1-juniper	Juniper		1
QA Cisco Lab 1	qa-cisco-lab-1	Cisco	ASR 1000 Series	3
QA Cisco Lab 2	qa-cisco-lab-2	Cisco	ASR 1000 Series	2

Routers without Peer Groups

Name	Slug	Make	Model
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The **Routers** subtab is where routers may be added and managed. Routers are divided into two lists - those with Peer Groups, and those without. From here, you can filter the router list, click on any router name to go to the **Router Details** page, or "Add Router" to add a new router.

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 - Edit Peer Groups
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Working with Peering Routers

Add a Router

Add a new router by clicking the "Add Router" button, which will direct to a page to input the router details.

Routers [Add Router](#)

Routers with Peer Groups

Name	Slug	Make	Model	Peer Groups
lab1-juniper	lab1-juniper	Juniper		1
QA Cisco Lab 1	qa-cisco-lab-1	Cisco	ASR 1000 Series	3
QA Cisco Lab 2	qa-cisco-lab-2	Cisco	ASR 1000 Series	2

Enter in router details: Name, Make, Model, Hostname, IP address(es), and credentials. When done, click "Create".

The screenshot shows a web interface for creating a new router. At the top, there are tabs for 'Peering', 'IXs', 'Routers', 'Sessions', and 'Peers'. The 'Routers' tab is active. Below the tabs is a form titled 'Create New Router'. The form has the following fields:

- Router Name ***: A text input field with the placeholder 'Enter the router name' and a red arrow pointing to the right.
- Router Make**: A dropdown menu with the placeholder 'Select a router manufacturer' and a red arrow pointing to the right.
- Router Model**: A dropdown menu with the placeholder 'Select a router model' and a red arrow pointing to the right.
- Hostname**: A text input field with the placeholder 'Enter a valid hostname' and a red arrow pointing to the right.
- IPv4 Address**: A text input field with the placeholder 'Enter a valid IPv4 address' and a red arrow pointing to the right.
- IPv6 Address**: A text input field with the placeholder 'Enter a valid IPv6 address' and a red arrow pointing to the right.
- Username**: A text input field with a red arrow pointing to the right.
- Password**: A text input field with a red arrow pointing to the right.

At the bottom left of the form, there are two buttons: 'Create' (highlighted with a red circle) and 'Reset'.

The Router will be added to the Router list, and can be managed from the router details page.

Router Details Page

Clicking on a router entry in the router list will open the router details page.

The screenshot shows the 'Router Details' page for a router named 'QA Cisco Lab 1'. The page is divided into several sections:

- Router List (Sidebar)**: A list of routers with a search bar. The selected router is 'QA Cisco Lab 1' with the IP address 'cisco-lab1.6connect.c...'. A red arrow points to the 'Cisco 1' entry in the search bar.
- Router Details (Main Area)**:
 - Field Values**: A table showing the router's configuration:

Field	Value
Make	Cisco
Model	ASR 1000 Series
IPv4	
IPv6	
Hostname	cisco-lab1.6connect.com
Username	dev
Password	*****
 - VRFs**: A table showing the router's VRFs:

VRF Name	ASN
abc	8038
cde	8038
 - Peer Groups**: A table showing the router's peer groups:

Exchange	Name	Type	Action
Equinix Palo Alto	dev-v4-peer-group	ipv4	delete
Equinix Palo Alto	dev-v6-peer-group	ipv6	delete

From here, routers may be added as well, or you can use the filterable list in the left sidebar to select a router to view.

The router details area gives the basic router information.

Edit Router

A Router's Make, Model, IP address, Hostname, Username, and Password may be edited from the Peering Router Details page.

To edit a router field, click the "Edit" icon (pencil), and input the desired change.

Router Details

QA Cisco Lab 1

Edit

Field Values	
Make	Cisco
Model	ASR 1000 Series
IPv4	
IPv6	
Hostname	
Username	
Password	*****

When complete, click the "Save" icon. You may cancel the edit by clicking the "Cancel" icon to the left of "Save".

Router Details

QA Cisco Lab 1

Save

Field Values	
Make	<input type="text" value="Cisco"/>
Model	<input type="text" value="ASR 1000 Series"/>
IPv4	<input type="text"/>
IPv6	<input type="text"/>
Hostname	<input type="text"/>
Username	<input type="text"/>
Password	<input type="text" value="*****"/>

Router information may also be edited from the Router's Resource Entry page and /or Field Gadget. By default, not all router fields may be visible or editable - this is to prevent editing critical router identification elements while sessions may exist for those routers.

Edit Peer Groups

You may also add and delete Peer Groups associated with the router - select the Exchange, Add the Peer Group Name, select the IP type, and click "Add Group".

Peer Groups

Select Exchange Peer Group Name IPv4 IPv6

Exchange	Name	Type	
Equinix Palo Alto	dev-v4-peer-group	ipv4	<input type="button" value="delete"/>
Equinix Palo Alto	dev-v6-peer-group	ipv6	<input type="button" value="delete"/>

To delete Peer Groups, click "Delete" for the peer group to remove. Peer Groups may also be edited via the [Peer Group](#) gadget.

Note: Adding / Deleting Peer Groups only affects ProVision, it does not add or remove from from the router itself.

Router Sessions

View all ProVision sessions associated with a router by going to that router's detail page and scrolling down to the "Router Sessions" section. Clicking on any session will open up the Session Details for that session.

Router Sessions				
Peer	ASN	IP	Peer Group	State
Blizzard Entertainment	57976	198.32.176.4	equinix-test	not configured

Delete all sessions in ProVision for the router by clicking "Delete All Sessions" under Router Sessions.

Additional Information

- [Peering](#)
- [Peering Exchanges](#)
- [Peering Sessions](#)
- [Managing Peers](#)
- [Peering Emails](#)