

# Peering Routers

## Peering Routers

Peering **Routers** Sessions Peers Emails

### 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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## 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. If desired, you can confirm the connection by clicking "Test Connection".

When done, click "Create".

Peering IXs **Routers** Sessions Peers Emails

Create New Router

**Router Name \***  
Enter the router name

**Router Make**  
Select a router manufacturer

**Router Model**  
Select a router model

**Hostname**  
Enter a valid hostname

**IPv4 Address** **IPv6 Address**  
Enter a valid IPv4 address Enter a valid IPv6 address

**Username** **Login Password** **Privileged Password**

Test Connection **Create**

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.

**Routers** Add Router

Cisco 1 ←

QA Cisco Lab 1  
cisco-lab1.6connect.c...

**Router Details**

### QA Cisco Lab 1

**Field Values**

<b>Make</b>	Cisco
<b>Model</b>	ASR 1000 Series
<b>IPv4</b>	
<b>IPv6</b>	
<b>Hostname</b>	cisco-lab1.6connect.com
<b>Username</b>	dev
<b>Password</b>	*****

**VRFs**

VRF Name	ASN
abc	8038
cde	8038

**Peer Groups**

Select Exchange Peer Group Name IPv4 IPv6 Add Group

Exchange	Name	Type	
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	
<b>Make</b>	Cisco
<b>Model</b>	ASR 1000 Series
<b>IPv4</b>	
<b>IPv6</b>	
<b>Hostname</b>	
<b>Username</b>	
<b>Password</b>	*****

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	
<b>Make</b>	<input type="text" value="Cisco"/>
<b>Model</b>	<input type="text" value="ASR 1000 Series"/>
<b>IPv4</b>	<input type="text"/>
<b>IPv6</b>	<input type="text"/>
<b>Hostname</b>	<input type="text"/>
<b>Username</b>	<input type="text"/>
<b>Password</b>	<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](#)