

Peering Sessions

Peering Sessions

Peering	IXs	Routers	Sessions	Peers	AS Set	Emails	Add Session
Session List 2							
Sessions							
items per page 20 Search by name... Q Refresh							
<input type="checkbox"/> Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State	Created
<input type="checkbox"/> Akamai Technologies	QA Cisco Lab 1	20940	198.32.176.127	Equinix Palo Alto	testipv6	not configured	a minute ago
<input type="checkbox"/> Spark New Zealand	Juniper 6clabs	4648	198.32.176.97	Equinix Palo Alto	devgroup	configured	a month ago

The **Sessions** subtab is where current sessions may be added, managed, and updated.

The **Session List** shows all current sessions in ProVision, and their current information and session state. Update the session states for all sessions by clicking the "Refresh" button, or manage individual sessions by clicking on the row for the desired session.

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Working with Peering Sessions

Add a Session

Add a new session by clicking the "Add Session" button.

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Session List 2							
Sessions							
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<input type="checkbox"/> Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State	Created

Add Session Information

Click "Add Session" from the Peering Sessions sub-tab.

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Session List 2

Sessions
items per page 20
Search by name...
Refresh

<input type="checkbox"/> Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State	Created
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Step 1: Common Settings

In the Create New Session Form, select the session type and exchange for the planned Peer. If using a Local Peer, "No Exchange" is an available option. You may also add notes, if desired.

Create New Session

1Common Settings
2Router Settings
3Peer Settings
4AS Set
5Confirmation

Type *
Peer
The type of session being created.

Exchange *
Equinix Palo Alto
The PeeringDB Exchange that will be used (if any).

Note
Take good notes and keep yourself organized.

Next

When done, click "Next" to proceed to Router Settings.

Step 2: Router Settings

Select the Router, Peer Group, ASN, and MD5 (optional) values.

Create New Session

1Common Settings
2Router Settings
3Peer Settings
4AS Set
5Confirmation

Router *
QA Cisco Lab 1
The router resource where the session will be created

Peer Group *
testipv6

ASN *
8038
The ASN/VRF to use as the source ASN

MD5
(optional) MD5 value.

Previous

Next

When done, click "Next" to proceed to Peer Settings.

Step 3: Peer Settings

Under the Peer Settings section, select or type in information for a peer. You may add Peer information from any of the three available methods:

- Use PeeringDB Lookup to select a PeeringDB Peer (the destination fields will be automatically populated).
- Look up an existing Local Peer under "Local Peer Lookup" by selecting the peer name and IP address (the destination fields will be automatically populated).
- Manually add a new Local or Custom Peer, by directly typing the Peer Name, ASN, and IP in the Session Details fields.

Create New Session

1

Common Settings

2

Router Settings

3

Peer Settings

4

AS Set

5

Confirmation

ⓘ You can autopopulate the "Session Details" by looking up a peer in PeeringDB or the Local Peer database.

PeeringDB Lookup

Peer Name

Akamai Technologies

Public IP

ASN 20940 - 198.32.176.127

Local Peer Lookup

Peer Name

Public IP

ⓘ These are the exact values that will be used to configure the session on the router.

Session Details

Peer Name (Description) *

Akamai Technologies

Peer ASN *

20940

IP Address *

198.32.176.127

Max Prefixes

12000

Previous

Next

When done, click "Next" to proceed to AS Set options.

Step 4: AS Set (Optional)

You may optionally specify an AS Set to enable prefix filtering. If desired, enter the AS Set. If it already exists in ProVision, you may confirm by clicking "Validate". If it does not exist in ProVision, click "Import".

Create New Session

1

Common Settings

2

Router Settings

3

Peer Settings

4

AS Set

5

Confirmation

ⓘ Optionally specify an AS-Set to enable prefix filtering. If the AS-Set has not already been added to ProVision, it must first be imported by bgpq4.

AS Set

AS-AKAMAI

Validate

Import

Prefix Count: 9413

Previous

Skip

Next

When done, click "Next" to proceed to final confirmation.

Step 5: Confirmation

Review your session details, and if correct, click "Create Session" to finish.

To correct any details, you may click "Previous" to revisit earlier steps and update values.

Create New Session

1

2

3

4

5

Common Settings

Router Settings

Peer Settings

AS Set

Confirmation

1

Remember to configure the session on the router after creating the record in ProVision.

Type

Peer

IX ID

Equinix Palo Alto

Note

Router ID

QA Cisco Lab 1

Source ASN

8038

VRF ID

Peer Group ID

testipv6

Peer Name

Akamai Technologies

Peer ASN

20940

Peer IP

198.32.176.127

Max Prefixes

12000

AS Set

AS-AKAMAI

Previous

Create Session

The Session detail page will display for review or to perform actions, and the new session will be added to the Session List.

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Session List 2

Sessions

items per page 20

Search by name...

Q

Refresh

<input type="checkbox"/> ▼ Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State	Created
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<input type="checkbox"/> Spark New Zealand	Juniper 6clabs	4648	198.32.176.97	Equinix Palo Alto	devgroup	configured	a month ago

Manage a Session (The Session Details Page)

Clicking on a Session entry from any Session List, or clicking "View Session" after creating a session, will open the Session details page.

From here, new session may be created by clicking "Add Sessions" if desired, but it is primarily for session management. You may also click on the Router link to view the Router Details page, or the Peer Name for Peer Details.

Sessions

Add Sessions

Session Details

Source ASN	8038
Router	QA Cisco Lab 1
Peer	Akamai Technologies
Peer ASN	20940
Peer IP	198.32.176.127
Peer Group	dev-v4-peer-group
Type	Customer
Rcvd/Max	0/0
State	Idle
Note	
MD5	

Config Manager

Email

Configure

Admin Up

Admin Down

Edit

Delete

The Session may be manually configured via "Config Manager", or automatically via "Configure".

"Email" opens an Email communications form, with data automatically generated from PeeringDB. Other available tasks include Admin Up/Down, Edit, and Delete session.

Session Details Actions

Edit: Edit session information such as Type, Prefixes, Notes or MD5.

Configure: 1-click configure which uses default router configuration, username, and password settings.

Config Manager: The Config Manager allows for custom configuration commands and user-level username/ password to be entered prior to pushing the config. This is a one time use configuration.

Email: Brings up the NOC (Network Operations Center), Policy, Technical, or other preset email template. The email template pre-populates data based on peeringdb data (To address, Subject line and Peering exchange information). You have the chance to edit the email prior to sending.

Admin Up: Ups a bgp session without removing it or adding it to the config.

Admin Down: Downs a bgp session without removing it or adding it to the config. On Cisco, Admin Down moves the session to Idle (Admin) state, on Juniper it deactivates the session.

Delete: Sessions of type "Peer" are removed from the router when deleted in ProVision. Other sessions will only be removed from the sessions list in ProVision.

Session List Action Menu

Several actions are available from the Session List for single or multi-session use.

Select the session(s) and choose the desired action from the right-click menu or "Actions" dropdown menu at top. Options include Admin Up, Admin Down, and Delete.

Session List 7

Sessions ✓ Selected 2 items Actions items per page 20 Search by name... Q Refresh

	Peer	Router	AS	Peer IP	Exchange	Peer Group	State	Created	
<input checked="" type="checkbox"/>	Alibaba	QA Cisco Lab 1	714	198.32.176.180	Equinix Palo Alto	abc123	configured	a month ago	
<input checked="" type="checkbox"/>	Apple Inc.	Juniper 6clabs	714	198.32.176.237	Equinix Palo Alto	devgroup	not configured	3 months ago	
<input type="checkbox"/>	BSO	Arista Test	4455	198.32.176.222	Equinix Palo Alto	devgroup	configured		
<input type="checkbox"/>	CBN Networks	QA Cisco Lab 2	38158	2001:504:d::3:8158:1	Equinix Palo Alto	xyz6	configured		
<input type="checkbox"/>	Fastly, Inc.	QA Cisco Lab 1	54113	198.32.176.230	Equinix Palo Alto	abc123	configured		
<input type="checkbox"/>	Verisign	Juniper 6clabs	7342	198.32.176.30	Equinix Palo Alto	devgroup	not configured	13 days ago	
<input type="checkbox"/>	Virtustream	QA Cisco Lab 2	64208	198.32.176.69	Equinix Palo Alto	aaaa	not configured	13 days ago	

Additional Information

- Peering
- Peering Exchanges
- Peering Routers
- Managing Peers
- Peering Emails