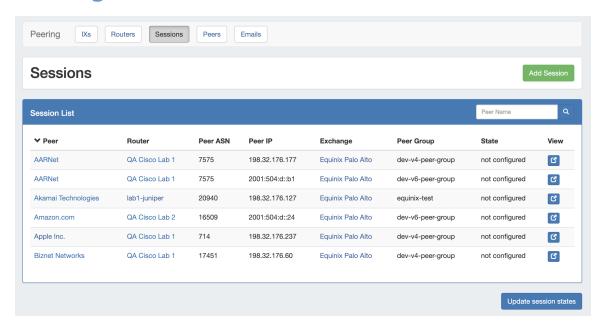# Peering Sessions

Peering Sessions

The **Sessions** subtab is where current sessions may be added, managed, and updated.
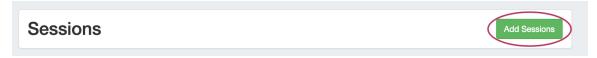
The **Session List** shows all current sessions in ProVision, and their current information and session state. Update the session states for all sessions by clicking the "Update Session States" button, or manage individual sessions by clicking on the row for the desired session.

- Peering Sessions
- Working with Peering Sessions
    - Add a Session
        - Add Session Information
        - Select or Add Destination
    - Manage a Session (The Session Details Page)
        - Session Details Actions
    - Additional Information

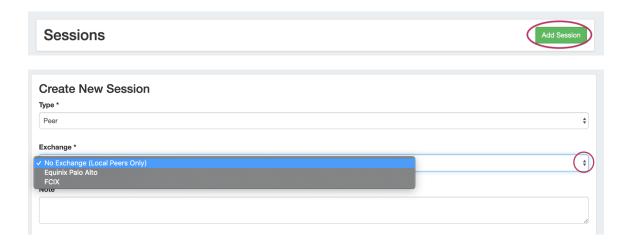# Working with Peering Sessions

Add a Session

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

Add Session Information

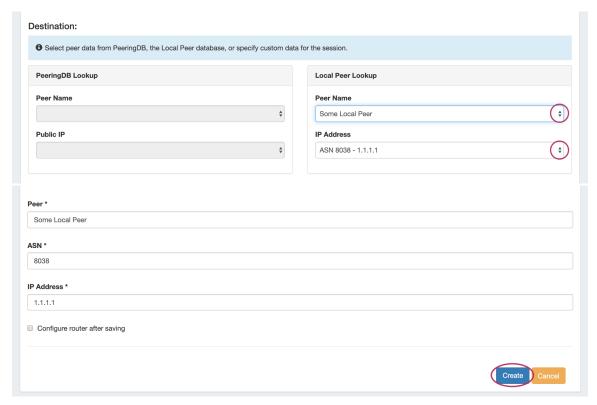Click "Add Session" from the Peering Sessions sub-tab.

In the Create New Session Form, type the session information, selecting the appropriate exchange type for the planned Peer. If using a Local Peer, "No Exchange" is an available option.

Sessions

Add Session

Create New Session

Type *

Peer

Exchange *

✓ No Exchange (Local Peers Only)
Equinix Palo Alto
FCIX

Note

Select or Add Destination

Under the **Destination** 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 Destination fields.

Destination:

ⓘ Select peer data from PeeringDB, the Local Peer database, or specify custom data for the session.

PeeringDB Lookup	**Local Peer Lookup**
Peer Name	**Peer Name**
	Some Local Peer
Public IP	**IP Address**
	ASN 8038 - 1.1.1.1

Peer *

Some Local Peer

ASN *

8038

IP Address *

1.1.1.1

☐ Configure router after saving
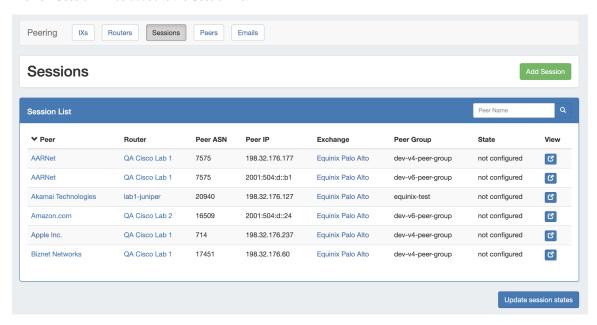
Create   Cancel

After selecting the Peer Destination information, you have the option of configuring the router immediately after saving. When done, click the "Create" button.

ⓘ If "Configure router after saving" is selected, the router will configure immediately after session creation and automatically load the session page when done.

While Configuring, you may either wait for the configure to complete and automatically load the session details page, or immediately view the details by clicking "View Session" while the configure continues in the background.
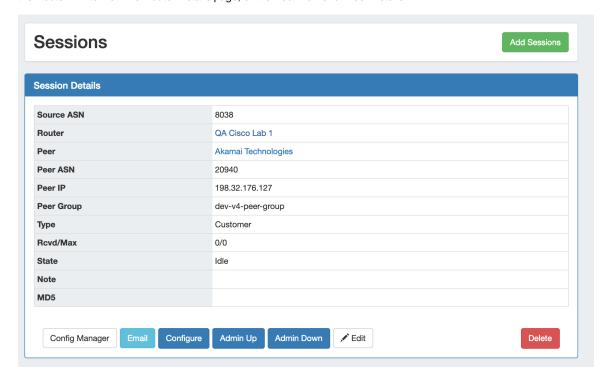
The new Session will be added to the Session List.

Peering	IXs	Routers	Sessions	Peers	Emails

Sessions

[Add Session]

Session List

Peer Name [🔍]

⌄ Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State	View
AARNet	QA Cisco Lab 1	7575	198.32.176.177	Equinix Palo Alto	dev-v4-peer-group	not configured	[↗]
AARNet	QA Cisco Lab 1	7575	2001:504:d::b1	Equinix Palo Alto	dev-v6-peer-group	not configured	[↗]
Akamai Technologies	lab1-juniper	20940	198.32.176.127	Equinix Palo Alto	equinix-test	not configured	[↗]
Amazon.com	QA Cisco Lab 2	16509	2001:504:d::24	Equinix Palo Alto	dev-v6-peer-group	not configured	[↗]
Apple Inc.	QA Cisco Lab 1	714	198.32.176.237	Equinix Palo Alto	dev-v4-peer-group	not configured	[↗]
Biznet Networks	QA Cisco Lab 1	17451	198.32.176.60	Equinix Palo Alto	dev-v4-peer-group	not configured	[↗]

[Update session states]

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.

Additional Information

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