Peering Sessions

Peering Sessions

Pee	ring IXs Rout	ers Sessions	Peers	AS Set Emails				Add Se	ession
Sess	sion List 2								
Se	essions				items per page	20 • Sea	rch by name	Q Refre	esh
	✓ Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State	Created	
	Akamai Technologies	QA Cisco Lab 1	20940	198.32.176.127	Equinix Palo Alto	testipv6	not configured	a minute ago	٥
	Spark New Zealand	Juniper 6clabs	4648	198 32 176 97	Equinix Palo Alto	devaroup	configured	a month ago	8

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.

Peering	IXs Routers	Sessions	eers AS Se	et Emails				Add Session
Session List	2							
Sessions					items per page	20 • Sear	rch by name	Q Refresh
Peer	Ro	outer P	eer ASN Pe	eer IP	Exchange	Peer Group	State	Created

Add Session Information

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

Peering	Xs Routers Sessions	Peers AS Set Err	nails	Add Session
Session List 2				
Sessions			items per page 20 Search by name	Q Refresh
Peer	Router	Peer ASN Peer IP	Exchange Peer Group State	Created

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					
1					
Common Settings	Router Settings	Peer Sett	ings	AS Set	Confirmation
Type *			Exchange *		
Peer		•	Equinix Palo Alto	0	•
The type of session being created.			The PeeringDB Ex	change that will be used (if any).
Note					
Take good notes and keep yourself o	organized.				
					Next

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

Step 2: Router Settings

Create New Session					
1	2				
Common Settings	Router Settings	Peer S	Settings	AS Set	Confirmation
Router *			Peer Group *		
QA Cisco Lab 1		•	testipv6		
The router resource where the sessi	ion will be created				
ASN *			MD5		
8038		•			
The ASN/VRF to use as the source a	ASN		(optional) MD5 va	alue.	
Previous					Nex

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

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.

0				
Common Settings	Router Settings	Peer Settings	AS Set	Confirmation
B Vou and automatical day #0.000	in Datailat ku kakimun ana			
	sion Details by looking up a peer	In reening be of the Local reel dat	abase.	
PeeringDB Lookup		Local Peer	Lookup	
Peer Name		Peer Name		
Akamai Technologies		·		¥
Public IP		Public IP		
ASN 20940 - 198.32.176.127		•		*
These are the exact values that	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Aramai Technologies	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940 IP Address *	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940 IP Address * 198.32.176.127	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940 IP Address * 198.32.176.127 Max Prefixes	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940 IP Address * 198.32.176.127 Max Prefixes 12000	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940 IP Address * 198.32.176.127 Max Prefixes 12000	will be used to configure the ses	sion on the router.		
These are the exact values that Session Details Peer Name (Description) * Akamai Technologies Peer ASN * 20940 IP Address * 198.32.176.127 Max Prefixes 12000	will be used to configure the ses	sion on the router.		

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

Step 4: AS Set (Optional)

You may optionally specify and AS Set to enabled 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".

1	2	3		
Common Settings	Router Settings	Peer Settings	AS Set	Confirmation
Optionally specify an AS-Set to	o enable prefix filtering. If the AS-Se	et has not already been added to Pro	Vision, it must first be imported b	y bgpq4.
Optionally specify an AS-Set to Set S-AKAMAI	o enable prefix filtering. If the AS-Se	at has not already been added to Pro	Vision, it must first be imported b	y bgpq4. Validate Impor
Optionally specify an AS-Set to Set 3-AKAMAI ix Count: 9413	o enable prefix filtering. If the AS-Se	et has not already been added to Pro	Vision, it must first be imported b	y bgpq4. Validate Impor

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				
0—	2	3	4	5
Common Settings	Router Settings	Peer Settings	AS Set	Confirmation
Remember to configure	e the session on the router after creating th	ne record in ProVision.		
Туре	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.

Peering	Xs Routers	Sessions Peers	AS Set Ema	ails			Add Se	ession
Session List 2	•							
Sessions				items per pa	ge 20 V Sea	arch by name	Q Refre	esh
□ ¥ Peer	Rout	ter Peer	ASN Peer IP	Exchange	Peer Group	State	Created	
Akamai Teo	hnologies QA C	Disco Lab 1 20940	198.32.176.1	27 Equinix Palo Alto	testipv6	not configured	a minute ago	٥
Spark New	Zealand Junip	ber 6clabs 4648	198.32.176.9	7 Equinix Palo Alto	devgroup	configured	a month ago	٥

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
Туре	Customer
Rcvd/Max	0/0
State	Idle
Note	
MD5	
Config Manager Email Configure	Admin Up Admin Down Celete

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 prepopulates 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.

Ses	sion List 7							
S	essions 🗸 Se	elected 2 items	Actions -		items per page	20 🔹 Searc	h by name	Q Refresh
	✓ Peer	Router	Admin Up Admin Down	Peer IP	Exchange	Peer Group	State	Created
	Alibaba	QA Cisco La	Delete all	198.32.176.180	Equinix Palo Alto	abc123	configured	a month ago 🔅
•	Apple Inc.	Juniper 6clabs	714	198.32.176.237	Equinix Palo Alto	devgroup	not configured	3 months ago 🔅
	BSO	Arista Test	4455	198.32.176.222	Equinix Palo Alto	devgroup	configured	Admin Up
	CBN Networks	QA Cisco Lab	2 38158	2001:504:d::3:8158:1	Equinix Palo Alto	xyz6	configured	Admin Down
	Fastly, Inc.	QA Cisco Lab	1 54113	198.32.176.230	Equinix Palo Alto	abc123	configured	Delete
	Verisign	Juniper 6clabs	5 7342	198.32.176.30	Equinix Palo Alto	devgroup	not configured	13 days ago 🔅
	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