

Managing Peers

Peers

Peers

Import Peer

Add Peer

Peer List

Filter

▼ Peer	Peer ASN	Exchange	Has Sessions <input checked="" type="checkbox"/>	View
AARNet	7575	Equinix Palo Alto	✓	
Akamai Technologies	20940	Equinix Palo Alto	✓	
Amazon.com	16509	Equinix Palo Alto	✓	
Apple Inc.	714	Equinix Palo Alto	✓	
Biznet Networks	17451	Equinix Palo Alto	✓	

Local Peers

Peer	ASN	IRR Record	Exchange
qa local peer	8038		none

The **Peers** subtab lists existing peers in ProVision. Here, you can add new peers and view peer details. ProVision supports Peer lookup from PeeringDB, as well as creation of "Local Peers". Local or custom Peers that are 'private' or not registered with PeeringDB may also be used for session creation.

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Working with Peers

Peer List

The Peer list shows peers currently in ProVision, their ASN, associated exchange, and whether session exist.

Filter the peer list by typing all or part of a peer name into the "Filter" text box in the right side of the list header, and the list will narrow down to matching Peers.

You may also sort by any field by clicking on the column name in the header. To view a Peer, you may click anywhere in the row for the peer, or click the "View" button.

Peers				
			Import Peer	Add Peer

Peer List				
			Filter	Q
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AARNet	7575	Equinix Palo Alto	✓	
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Local Peers			
Peer	ASN	IRR Record	Exchange
qa local peer	8038		none

Organizations will show as Peers in this list if:

- There is an existing session in Provision with the organization set as the destination - applies to both "Add Session" and "Add Peer" Configure Sessions
- The organization is marked "Existing Peer" in Exchange communications

Manually added Local Peers will show in the Local Peer list, below the standard Peer List.

Add Peers

Adding a Peer can be done via many methods in ProVision, depending on whether the peer is from PeeringDB, Local, and what the peer/session status is.

In general, Peers will added from either:

- PeeringDB through "Import Peer", session creation, or exchange communications
- Local / Custom creation through "Add Peer" or session creation

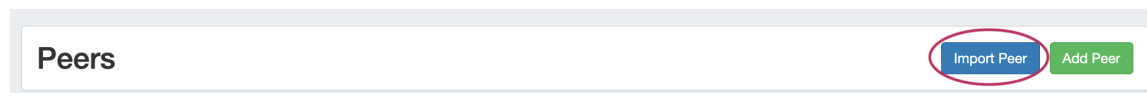
The following approaches will result in a Peer being added into ProVision:

- Create a session for a peer, selecting the Peer from PeeringDB options available under the [Session tab "Add Session"](#) form.
- Create a session for a local or custom peer, selecting an existing local peer or manually entering a custom destination in the [Session tab "Add Session"](#) form.
- Manually create a Local Peer, from "Add Peer".
- Import/search for a Peer from PeeringDB, then add the peer by [configuring multiple sessions](#).
- Add a peer without creating sessions by marking the peer as "existing" under [ExchangeCommunications](#). The Peer will show in the Peer List, but no sessions will exist for the peer until they are [created in ProVision](#).

Add PeeringDB Peer (Import Lookup)

Peers may be added via finding a peer from PeeringDB to import,

You can search for Peers by clicking "Import Peer" on the **Peers** or **Peer Details** pages.



The "Import Peer from PeeringDB" search module will open. Enter all or part of the peer name, then click "Search". The results will show in a list below.

Peers

Import Peer

Add Peer

Import Peer from PeeringDB

Fa

←

☒ Limit to Exchanges registered in ProVision

Search

Results

Name	ASN	Matching IXLANS	Other Exchanges	View
Fastly, Inc.	54113	2	143	View

From the results list, click "View" - this will open the **Peer Details** page for the Peer, where you can view the peer's information, available exchanges, existing sessions, or add the peer via [configuring multiple sessions](#).

Add Peer via Configure / Configure Multiple Sessions

From the **Peer Details** page, click "Configure Multiple Sessions".

Peer Details

Packet Clearing House

Organization	Packet Clearing House
Also Known As	PCH, WoodyNet
Company Website	http://pch.net
Primary ASN	3856
IRR Record	AS-PCH
Network Type	Educational/Research
IPv4 Prefixes	1
IPv6 Prefixes	1
Traffic Levels	1-5Gbps
Traffic Ratios	Balanced

Exchanges

This peer is on the following available exchanges

Name	IPv4 IPv6	Speed	Router
Equinix Palo Alto	198.32.176.249 2001:504:d::f9	1000	View

Configure multiple sessions

This peer is on an additional 166 exchanges which are not shared by any network currently in ProVision

Clicking the configure multiple buttons opens a page where you may select and set up multiple sessions for that peer.

Peering

IXs

Routers

Sessions

Peers

Peers

Add Peer

Configure Multiple Sessions

Packet Clearing House

☒ Select all exchanges

Schedule

Configure Now (2)

☐ Select all networks

Configure	Peer ASN	Router	Peer IP	Peer Group	Type
<input checked="" type="checkbox"/>	3856	QA Cisco Lab 1	198.32.176.249	dev-v4-peer-group	Peer
<input checked="" type="checkbox"/>	3856	QA Cisco Lab 1	2001:504:d::f9	dev-v6-peer-group	Peer

Select the desired exchanges, router, peer group, and type, and then choose to either "Configure Now" or Schedule the config to run later via the [Scheduler](#) Tab.

Configuring sessions here will create new sessions, and add the peer used to the Peer List.

Add a Local Peer

Add a new local peer by going to the [Peering](#) Tab Peers subtab, and clicking "Add Peer".

Peers

Import Peer

Add Peer

In the "Add Local Peer" form, enter the Peer details including Name, ASN, IPv4 or IPv6 Address, Route-Set, select an Exchange Option, and add notes if desired.

When finished, click "Create".

Peers

Import Peer

Add Peer

Add Local Peer

Add a peer to ProVision that does not exist in PeeringDB

Name *

Some Local Peer

ASN *

8038

Addresses *

An IPv4 or IPv6 address is required

IPv4 Address

1.1.1.1

IPv6 Address

IRR as-set/route-set

Exchange

Equinix Palo Alto

Notes

Some Test Peer

Create

The Peer will be added to the "Local Peers" list, and be available to select while creating a session.

Local Peers			
Peer	ASN	IRR Record	Exchange
Some Local Peer	8038		Equinix Palo Alto

Add Peer via Session

New Peers are added when creating a session with that Peer. While creating a new Session, you may select a PeeringDB Peer, an existing Local Peer, or create a new custom Peer.

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

Destination:

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

PeeringDB Lookup

Peer Name

Public IP

Local Peer Lookup

Peer Name

Some Local Peer

IP Address

ASN 8038 - 1.1.1.1

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.

Peer *

Some Local Peer

ASN *

8038

IP Address *

1.1.1.1

☐ Configure router after saving

Create

Cancel

When complete, click "Create".

The new Session will be added to the Session List.

Session List						
Peer Name						
▼ Peer	Router	Peer ASN	Peer IP	Exchange	Peer Group	State
Akamai Technologies	QA Cisco Lab 2	20940	2001:504:d::2:940:1	Equinix Palo Alto	dev-v6-peer-group	not configured
Apple Inc.	QA Cisco Lab 2	714	2001:504:d::714:1	Equinix Palo Alto	dev-v6-peer-group	Idle
BlinkMind, Inc.	lab1-juniper	40739	198.32.176.121	Equinix Palo Alto	equinix-test	Idle
Dropbox	lab1-juniper	19679	198.32.176.200	Equinix Palo Alto	equinix-test	Idle
Some Local Peer	QA Cisco Lab 1	8038	1.1.1.1	Equinix Palo Alto	dev-v4-peer-group	not configured

Peer Details Page

Clicking on a peer in the list will open the Peer Details page.

Peers

Import PeerAdd Peer

Peer Details

Fastly, Inc.

Organization	Fastly, Inc.
Also Known As	
Company Website	https://www.fastly.com
Primary ASN	54113
IRR Record	AS-FASTLY
Network Type	Content
IPv4 Prefixes	100
IPv6 Prefixes	50
Traffic Levels	1 Tbps+
Traffic Ratios	Heavy Outbound
Geographic Scope	Global
Protocols Supported	50
Notes	Fastly's edge cloud platform helps the world's most popular digital businesses keep pace with their customer expectations by delivering fast, secure, and scalable online experiences. With points of presence (POPs) across North and South America, Europe, Asia, Africa, Australia, and New Zealand, Fastly peers with other

Exchanges

This peer is on the following available exchanges

Name	IPv4 IPv6	Speed	Router
Equinix Palo Alto	198.32.176.231 2001:504:d::5:4113:2	10000	<div>View</div>
Equinix Palo Alto	198.32.176.230 2001:504:d::5:4113:1	10000	<div>View</div>

Configure multiple sessions

This peer is on an additional 143 exchanges which are not shared by any network currently in ProVision

From here, you can view details for the existing peer, including available exchanges and what routers you have available on that exchange. Additional, the peer may be added by configuring new sessions via [Configure Multiple Sessions](#).

Existing sessions for the Peer may be viewed, managed and deleted under "Sessions".

Sessions			
Session ID	Exchange	Peer Group	State
64	Equinix Palo Alto	dev-v4-peer-group	Idle
			Delete All Sessions

To edit, manage, or delete a single session, click on the session listing to open the Session detail page. All sessions under the Peer may be deleted by clicking "Delete All Sessions".

[Additional Information](#)

- [Peering](#)
- [Peering Exchanges](#)
- [Peering Routers](#)
- [Peering Sessions](#)
- [Peering Emails](#)