

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](#)
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 - [Add Peers](#)
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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 |
| ▼ 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 |

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

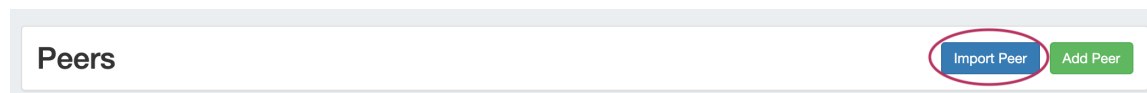
The following approaches will result in a Peer being added into ProVision:

- 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

Emails

Peers

Import Peer

Add Peer

Configure Multiple Sessions

PCH AS3856 (ASN 3856)

Create Sessions (2)

| <input checked="" type="checkbox"/> Exchange | Peer IP | Router | Peer Group | MD5 | Max Prefix |
|---|----------------|----------------|------------|-----|------------|
| <input checked="" type="checkbox"/> Equinix Palo Alto | 198.32.176.249 | Juniper 6clabs | devgroup | | 1 |
| <input checked="" type="checkbox"/> Equinix Palo Alto | 2001:504:d::f9 | QA Cisco Lab 2 | xyz6 | | 1 |

Select the desired exchanges, router, peer group, and type, and then choose "Create Sessions." If a similar session already exists, a visual indicator will alert the user.

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.

The screenshot shows the 'Sessions' page header with an 'Add Session' button circled in red. Below is the 'Create New Session' form. The 'Type' dropdown is set to 'Peer'. The 'Exchange' dropdown is open, showing options: 'No Exchange (Local Peers Only)' (selected), 'Equinix Palo Alto', and 'FOIX'. A red circle highlights the 'Exchange' dropdown arrow.

Select or Add Destination

The 'Destination' section contains a blue instruction bar: 'Select peer data from PeeringDB, the Local Peer database, or specify custom data for the session.' Below are two panels. The 'PeeringDB Lookup' panel has 'Peer Name' and 'Public IP' dropdowns. The 'Local Peer Lookup' panel has 'Peer Name' (set to 'Some Local Peer') and 'IP Address' (set to 'ASN 8038 - 1.1.1.1') dropdowns, both circled in red.

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.

The form shows the 'Peer' field with 'Some Local Peer', 'ASN' with '8038', and 'IP Address' with '1.1.1.1'. There is a checkbox for 'Configure router after saving'. At the bottom right, 'Create' and 'Cancel' buttons are shown, with 'Create' circled in red.

When complete, click "Create".

The new Session will be added to the Session List.

Session List 9

Sessions

items per page20

Search by name...

Q

Refresh

| <input type="checkbox"/> | Peer | Router | Peer ASN | Peer IP | Exchange | Peer Group | State | Created | |
|--------------------------|-----------------|----------------|----------|----------------------|-------------------|-------------|----------------|-------------------|---|
| <input type="checkbox"/> | Apple Inc. | Juniper 6clabs | 714 | 198.32.176.237 | Equinix Palo Alto | devgroup | not configured | 3 months ago | ⚙ |
| <input type="checkbox"/> | CBN Networks | QA Cisco Lab 2 | 38158 | 2001:504:d::3:8158:1 | Equinix Palo Alto | xyz6 | configured | 3 months ago | ⚙ |
| <input type="checkbox"/> | Fastly, Inc. | QA Cisco Lab 1 | 54113 | 198.32.176.230 | Equinix Palo Alto | abc123 | configured | 2 months ago | ⚙ |
| <input type="checkbox"/> | BSO | Arista Test | 4455 | 198.32.176.222 | Equinix Palo Alto | devgroup | configured | a month ago | ⚙ |
| <input type="checkbox"/> | Alibaba | QA Cisco Lab 1 | 45102 | 198.32.176.180 | Equinix Palo Alto | abc123 | configured | a month ago | ⚙ |
| <input type="checkbox"/> | Verisign | Juniper 6clabs | 7342 | 198.32.176.30 | Equinix Palo Alto | devgroup | not configured | 18 days ago | ⚙ |
| <input type="checkbox"/> | Virtustream | QA Cisco Lab 2 | 64208 | 198.32.176.69 | Equinix Palo Alto | aaaa | not configured | 18 days ago | ⚙ |
| <input type="checkbox"/> | Cisco Umbrella | Arista Test | 36692 | 2001:504:d::62 | Equinix Palo Alto | devgroup6 | configured | 5 days ago | ⚙ |
| <input type="checkbox"/> | Some Local Peer | Juniper 6clabs | 8038 | 1.1.1.1 | No Exchange | local-group | not configured | a few seconds ago | ⚙ |

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 | |
| 31 | Equinix Palo Alto | abc123 | configured | View |
| | | | | 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](#)