

# Import Sessions

## Importing BGP Sessions

Information on preparing data for import and using each import tool is available at <https://docs.6connect.com/display/DOC/Importing+Your+Data>.

Sample import templates are available [here](#).

|   |   |
|---|---|
| <b>Resource Import:</b><br>Simple Upload/Import from CSV<br>Resource Import Tool *Beta* | <b>DNS Import:</b><br>BIND Zone Upload/Import<br>PowerDNS Zone Import<br>InfoBlox Zone Import<br>NS One Zone Import<br>Dyn DNS Zone Import<br>DNSMadeEasy Zone Import<br>IPPlan Zone Import |
| <b>IP Import:</b><br>Upload/Import from CSV<br>Import from RIR                          |   |
| <b>Peering Import</b><br><u>Import BGP Sessions</u>                                     |   |

Importing peering sessions requires Admin-level permissions, and is accessible only from the Admin section of ProVision.

From the Admin section of ProVision, navigate to the **Data Import Tab**. Under Peering Import, select **Import BGP Sessions**. This will take you to the Peering Import section of ProVision.

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## Standard BGP Session Import

### Before You Begin

Before attempting a session import, ensure that the applicable exchange and router have been added into ProVision. See [Peering Exchanges](#) and [Peering Routers](#) for details.

### Load Router Sessions

First, select the desired exchange and router. Routers with Logical Systems information will show up as the router name with the Logical System info in parenthesis (e.g. "Juniper (test)"). Then click "Load Sessions".

Peering Import

Exchange Equinix Internet Exchange Palo. Router Juniper Lab1 Test (test2) **Load Sessions**

Peer Group and Sessions will then display below your selections.

## Edit Sessions (Optional)

The available peer Groups and Sessions will display below your selected exchange and router.

If edits need to be made to the session prior to import, click on the wrench icon to open field edits.

| Sessions                            |         |            |                 |          |                |                   |                          |
|-------------------------------------|---------|------------|-----------------|----------|----------------|-------------------|--------------------------|
| <input type="checkbox"/>            | Type    | Source ASN | Peer            | Peer ASN | Peer IP        | Group             | State                    |
| <input type="checkbox"/>            | Unknown | 8038       |                 | 8038     | 67.221.240.225 |                   | Established, up for 1w2d |
| <input checked="" type="checkbox"/> | Peer    | 8038       | BlinkMind, Inc. | 40739    | 198.32.176.121 | dev-v4-peer-group | Idle                     |

Make the changes to desired field(s), then click "Done" to save your changes and proceed to importing.

| Sessions                            |         |            |                 |          |                |                   |       |
|-------------------------------------|---------|------------|-----------------|----------|----------------|-------------------|-------|
| <input type="checkbox"/>            | Type    | Source ASN | Peer            | Peer ASN | Peer IP        | Group             | State |
| <input type="checkbox"/>            | Unknown | 8038       |                 | 8038     | 67.221.240.225 |                   |       |
| <input checked="" type="checkbox"/> | Peer    | 8038       | BlinkMind, Inc. | 40739    | 198.32.176.121 | dev-v4-peer-group | Idle  |

## Select Groups and Sessions

Lastly, select the check box next to each Session to import (or the check box at the top to select all sessions) and click "Import Selected Sessions".

Successful imports will then display with a green check mark at the beginning of the row.

Peering Import

Exchange: Equinix Internet Exchange Palo... Router: Juniper Lab1 Test (test2) Load Sessions

Importing sessions from Juniper Lab1 Test (test2) (50.240.195.137) at Equinix Palo Alto. Clear

2 sessions found. 0 already imported or added.

Peer Groups

| Name  | Type |
|---|------|
| <input checked="" type="checkbox"/> equinix-test2 | ipv4 |

Import Selected Groups

Sessions

| <input checked="" type="checkbox"/> | Type | Source ASN | Peer                      | Peer ASN | Peer IP       | Group         | Logical System | State |
|-------------------------------------|------|------------|---------------------------|----------|---------------|---------------|----------------|-------|
| <input checked="" type="checkbox"/> | Peer | 221133     | Limelight Networks        | 22822    | 198.32.176.9  | equinix-test2 | test2          | Idle  |
| <input checked="" type="checkbox"/> | Peer | 221133     | Internap (formerly Voxel) | 29791    | 198.32.176.59 | equinix-test2 | test2          | Idle  |

Import Selected Sessions Clear

Once imported, you can manage and configure your sessions from the Peering Tab.

## Importing with Router File Connectors



Note: These connector types are only used for this direct data import process - do not select these for standard ProVision router /session creation, as peering management functions (config pushes, session states, etc) do not obtain a router connection while using File Connectors.

*File Connectors should only be used in rare circumstances where direct router access is unavailable.*

### Step 1

Generate a router response data text file (it should be named "cisco\_router\_data.txt", "juniper\_router\_data.txt" or "arista\_router\_data.txt") and place it in ProVision's /data directory.

To generate the router response, run the following commands:

| Cisco  | Juniper   | Arista  |
|--|---|---|
| terminal length 0<br>show bgp ipv4 unicast sum<br>show bgp ipv4 unicast neighbor<br>show bgp ipv6 unicast neighbor | show bgp neighbor   display xml   no-more<br>show bgp group   display xml   no-more | terminal length 0<br>show ip bgp summary<br>show ip bgp neighbors |

## Step 2

Create a new 'Router' in ProVision, selecting the appropriate file connector as the Router Make type - CiscoFile, JuniperFile, or AristaFile.

**Create New Router**

**Router Name \***

Enter the router name

**Router Make**

Select a router manufacturer

- Cisco
- Brocade
- Juniper
- CiscoFile ←
- JuniperFile ←
- Arista
- AristaFile ←

## Step 3

Navigate to Admin [Data Import](#) Peering BGP Import.

Select the appropriate exchange, then the File Connector Router that you created.

**Peering Import**

Exchange Equinix Internet Exchange Pal Router Cisco Lab 1 File Connector Load Sessions

Click "Load Sessions", and the sessions contained within the router data file will be available to review, select, and/or import into ProVision.

**Peering Import**

Exchange Equinix Internet Exchange Pal Router Cisco Lab 1 File Connector Load Sessions

Importing sessions from **Cisco Lab 1 File Connector** at **Equinix Palo Alto**. Reset

5 sessions found. 0 already imported or added.

**Peer Groups**

| Name                                       | Type |
|--|------|
| <input type="checkbox"/> dev-v4-peer-group | ipv4 |
| <input type="checkbox"/> dev-v6-peer-group | ipv6 |

**Sessions**

| <input type="checkbox"/>            | Type    | Source ASN | Peer           | Peer ASN | Peer IP          | Group             | State                    |  |
|-------------------------------------|---------|------------|----------------|----------|------------------|-------------------|--------------------------|--|
| <input type="checkbox"/>            | Unknown | 8038       |                | 8038888  | 67.221.240.225   |                   | Established, up for 4w2d |  |
| <input checked="" type="checkbox"/> | Peer    | 8038       | Cisco Umbrella | 36692    | 198.32.176.98    | dev-v4-peer-group | Idle                     |  |
| <input checked="" type="checkbox"/> | Peer    | 8038       | Facebook Inc   | 32934    | 198.32.176.108   | dev-v4-peer-group | Idle                     |  |
| <input checked="" type="checkbox"/> | Peer    | 8038       | Facebook Inc   | 32934    | 2001:504:D::47   | dev-v6-peer-group | Idle                     |  |
| <input type="checkbox"/>            | Unknown | 8038       | 6connect, Inc. | 8038     | 2607:FAE0:1::225 |                   | Established, up for 4w2d |  |

Import Selected Sessions Reset

## Via APIv2

The same import process may also be performed via APIv2, using the following information:

- 1) "router id" contained within the URL for an already-created File Connector Router
- 2) "ix\_id" (the ID of the exchange) in the body
- 3) "router\_response" (the output from the router) in the body

The APIv2 details can be view from ProVision swagger documentation at `[ 'instance' ]/dev/swagger/spec.php?family=peering#/default/single_parse_bgp_info`

## Additional Information

See the following areas for more information on working with Peering tasks:

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