

# 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](#).

**Resource Import:**

- [Simple Upload/Import from CSV](#)
- [Resource Import Tool "Beta"](#)

**IP Import:**

- [Upload/Import from CSV](#)
- [Import from RIR](#)

**Peering Import**

- [Import BGP Sessions](#)

**DNS Import:**

- [BIND Zone Upload/Import](#)
- [PowerDNS Zone Import](#)
- [InfoBlox Zone Import](#)
- [NS One Zone Import](#)
- [Dyn DNS Zone Import](#)
- [DNSMadeEasy Zone Import](#)
- [IPPlan Zone Import](#)

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.

- Importing BGP Sessions
  - Standard BGP Session Import
    - Before You Begin
    - Load Router Sessions
    - Edit Sessions (Optional)
    - Select Groups and Sessions
  - Importing with Router File Connectors
    - Step 1
    - Step 2
    - Step 3
    - Via APIv2
  - Additional Information

## 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.

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

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 show bgp ipv4 unicast sum show bgp ipv4 unicast neighbor show bgp ipv6 unicast neighbor	show bgp neighbor   display xml   no-more show bgp group   display xml   no-more	terminal length 0 show ip bgp summary 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 Pali

Router

Cisco Lab 1 File Connector

Load Sessions

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

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	
	Peer	8038	Cisco Umbrella	36692	198.32.176.98	dev-v4-peer-group	Idle	
	Peer	8038	Facebook Inc	32934	198.32.176.108	dev-v4-peer-group	Idle	
	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](#)