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
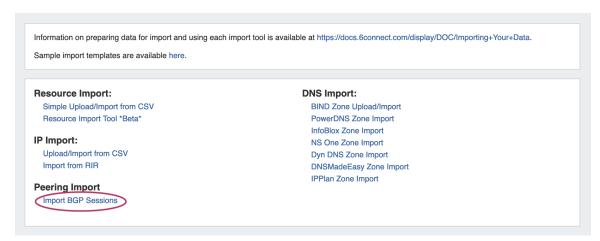   InfoBlox Zone Import
   NS One Zone Import
   Dyn DNS Zone Import
   DNSMadeEasy Zone Import
   IPPlan Zone Import

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.

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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.
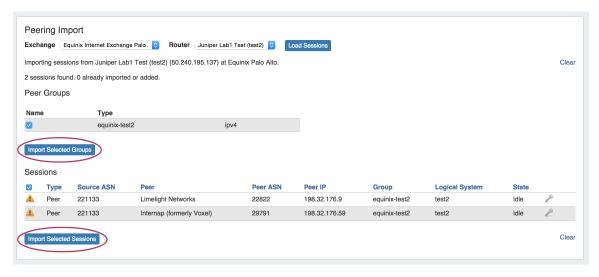
	Type	Source ASN	Peer	Peer ASN	Peer IP	Group	State	
☐	Unknown	8038		8038	67.221.240.225		Established, up for 1w2d	🔧
✅	Peer	8038	BlinkMind, Inc.	40739	198.32.176.121	dev-v4-peer-group	Idle	

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

	Type	Source ASN	Peer	Peer ASN	Peer IP	Group	State	
☐	Unknown ⬍	8038		8038	67.221.240.225			Done
✅	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
✅	equinix-test2	ipv4

[Import Selected Groups]

Sessions

	Type	Source ASN	Peer	Peer ASN	Peer IP	Group	Logical System	State	
✅									
⚠️	Peer	221133	Limelight Networks	22822	198.32.176.9	equinix-test2	test2	Idle	🔧
⚠️	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.
>
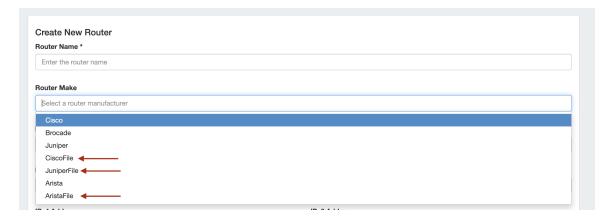> *File Connectors should only be used in rare circumstances where direct router access is unavailable.*

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 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.
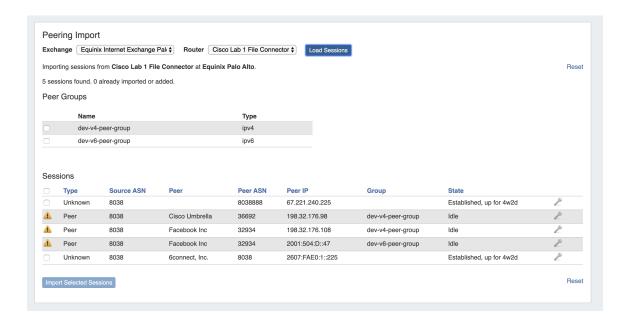
Create New Router

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 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
☐	dev-v4-peer-group	ipv4
☐	dev-v6-peer-group	ipv6

Sessions

	Type	Source ASN	Peer	Peer ASN	Peer IP	Group	State	
☐	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	🔧
☐	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
- Peering Sessions