AS2518 Peering Policy

Last Revised Jan 20, 2026

This document is a guideline for networks that are seeking to interconnect with AS2518 through BGP peering. The descriptions and requirements may change without any advanced notice, and does not guarantee a peering session.

■ Public Peering Locations

The latest information can be found at https://as2518.peeringdb.com/

■ General Requirements

To establish a BGP session with AS2518, you are required to comply with the MANRS principles (https://manrs.org/), which are mutually agreed norms for routing security. If you do not comply with MANRS, you must meet one or more of the following conditions.

1. An as-set object and route object is registered on an IRR that is accessible from the Internet and the contact information is up to date.
2. PeeringDB record is registered and up to date.
3. ROA is created and can be validated by RPKI.

■ Specific Requirements

An AS seeking peering with AS2518 should be one of the following

1. Is transit to more than 15 ASes
2. Maintain peak traffic of 30 Mbps or higher continuously (300 Mbps or higher in Japan except Fukuoka)
3. Is an infrastructure that is critical to the Internet (such as Root DNS), or provides a non-profit service that promotes and supports the advancement of an open Internet

4. For peering within Japan, two or more redundant connections must be available. For redundancy, we recommend peering with different routers or at different IXPs

■ Private Peering

- **JAPAN**

1. Traffic Volume

   If the peak traffic exceeds 20Gbps BIGLOBE is willing to consider Private Peering sessions (a.k.a. PNI). If peak traffic exceeds 60 Gbps, we recommend using a 400 Gbps interface.

2. Interfaces

   400GBase-LR4-10、400GBase-FR4

   100GBase-LR4、100GBase-LR1、100GBase-CWDM4

3. Redundancy Requirements

   Private peering in Japan generally requires a redundant configuration with two or more ports.

4. Upgrade Requirements

   If peak traffic exceeds 50%, we can discuss bandwidth upgrades.

- **North America**

1. Traffic Volume

   If peak traffic exceeds 10Gbps and is expected to continue, BIGLOBE will consider establishing a Private Network Interconnection (PNI) session.

2. Interfaces

   100GBase-LR4

3. Redundancy Requirements

   There are no redundancy requirements for private peering in North America. Connections are possible from a single port.

4. Upgrade Requirements

   If peak traffic exceeds 50%, we can discuss bandwidth upgrades.

5. Depeer

   If traffic volume remains below our standards for three months or longer, we may discontinue private peering after discussions.

- **Asia (Singapore, Hong Kong) and Europe (Amsterdam, Frankfurt)**
  We don’ t support private peering connections due to the remote connections from Japan to Internet exchanges (as we do not have physical presence in these regions, we do not support private peering connections.).

■ Network Topology

If possible, please describe geographical topology of your traffic (are the POPs connected by a backbone, do you use anycast, etc)

■ Others

1. Please let us know in advance how many routes you would like to advertise, or specify them in the Peering DB.
2. MD5 authentication is not available in principle, but we can set it if you wish.
3. We support a maximum of two peering sessions per region, though exceptions may be granted where network architecture or technical constraints require additional sessions. BIGLOBE defines seven peering regions: Tokyo, Osaka, Fukuoka, HongKong, Singapore, Europe, and NorthAmerica.
4. BFD configuration is available for peering sessions if requested.