Biznet Internet Exchange
BGP Community Filtering Guide

BIX Operation Team

BGP Community Filtering Guide

Biznet Internet Exchange offers a set of BGP communities for peers using our Route-Servers.

By tagging your prefixes with specific communities, you can influence how and to whom the Route-Servers advertise your prefixes to.

Once you are connected, feel free to contact the Biznet Internet Exchange Operations team if you want to learn more about using our BGP communities.

BGP Communities can be used to control various functions of the route server. With these communities, you can:

- Control the redistribution of advertised prefixes, based on an ASN

- Prepend your own ASN

Supporting Community

Regular Community	How it works
0:PeerAS	Don't advertise the prefix to Peer AS specified in community
17451:660	Don't announce to Alibaba
17451:662	Don't announce to Microsoft
17451:663	Don't announce to Facebook
17451:664	Don't announce to GCP
17451:665	Don't announce to Cloud Flare
17451:667	Don't announce to Netflix
17451:668	Don't announce to FNA
17451:669	Don't announce to GGC

Filtering Policy

Name	How it works
Next Hop IP	Drop prefix whose next hop IP address is not itsself
AS path lengh	Drop prerix whose AS path length is longer than 32
bgp path first AS	Drop prefix whose bgp path first as is not itsself
AS transit and exchange	Drop prefix whose AS path include major transit AS and Exchange
bogon AS	Drop AS rfc7607, rfc6793, rfc5398, rfc6996, rfc7300
bogon prefixes	Drop prefix rfc1918, rfc3927, rfc5737, rfc3068, rfc2544, rfc5771, rfc6598
as-set filter	Drop prefix whose not the origin prefixes from the member and they dowstream
rpki	Drop prefix whose validity is invalid
prefixes lenght	Drop prefix /25 or longer (IPv4), /64 or longer (IPv6)

How to turn-up peer to RS

RS	ASN	IPv4 Address	IPv6 Address
RS CGK 1	38060	218.100.41.100	2001:DE8:11:3:8060::100
RS CGK 2		218.100.41.101	2001:DE8:11:3:8060::101
RS SBY		218.100.62.100	2001:DE8:12:380:60::100
RS MLG		218.100.62.200	
RS DPS 1		218.100.64.250	2001:DE8:14:380:60::250
RS DPS 2		218.100.64.100	

Vendor	Required configuration	Vendor	Required configuration
Cisco(IOS)	router bgp **** no bgp enforce-first-as	Huawei	bgp **** undo check-first-as
Cisco(IOS-XR)	router bgp **** bgp enforce-first-as disable	Brocade(IronWare)	router bgp **** bgp enforce-first-as disable