

The background features a stylized globe with several large, dark blue arrows pointing in various directions (up, down, left, right) from a central point, symbolizing network connectivity and data flow.

Peering.cz Route Server Control



RS1.PEERING.cz

AS 61195

IPV4 185.0.20.1/23

IPV6 2001:7F8:7F::1/64

RS2.PEERING.cz

AS 61195

IPV4 185.0.20.2/23

IPV6 2001:7F8:7F::2/64



- ✓ With BGP communities you can control which routes sent to the route servers are announced to other peers.
- ✓ If no community tags are specified, routes are advertised to all peers by default.
- ✓ The list of BGP announcements of participating networks can be found in the LG section in client of Peering.cz
- ✓ Routes are marked with standard communities (16-bit AS'es) or extended communities - SoO (16-bit and 32-bit AS'es).

Informational Communities

Informational BGP communities pass on information about how and where a route was learned. The marks are assigned by the route servers. Each prefix received from route servers is marked with various communities.

Community	Information
Origin AS	
61195:PeerASN (SoO:61195:PeerASN)	PeerASN originated the route
PoP	
61195:2100	route was learned from a peer in Prague/Czech Republic PoP
61195:2200	route was learned from a peer in Bratislava/Slovakia PoP
61195:2300	route was learned from a peer in Vienna/Austria PoP
61195:2400	route was learned from a peer in Frankfurt/Germany PoP
Home country	
61195:1101	network which originated this route is based in Czech Republic
61195:1102	network which originated this route is based in Slovakia
61195:1103	network which originated this route is based in Austria
61195:1104	network which originated this route is based in Germany
61195:1105	network which originated this route is based in Slovenia
61195:1106	network which originated this route is based in Poland
61195:1300	network which originated this route is based outside the above listed regions

Examples:

- Community SoO:61195:197013 – routes learned from AS197013 – Sprintel.cz
- Community 61195:39392 – routes learned from AS39392 – SH.cz
- Community 61195:2200 – routes learned from a peer connected in Bratislava/SK PoP
- Community 61195:1101 – network which originated the route is based in Czech Republic

Action Communities

Action BGP communities have direct impact on your routing policy. Setting action tags changes the way prefix announcements are handled.

Standard community	Extended community	Action
0:PeerASN	SoO:0:PeerAS	do not redistribute routes to ASN
PeerASN:0	SoO:PeerASN:0	routes are advertised to ASN
0:61195	SoO:0:61195	don't send routes to all networks connected to route servers (both standard and extended BGP communities need to be applied)

Examples:

- Prefix 1.2.3.4/24 marked with community 0:39392
 - > Prefix will be advertised to all peers connected to route servers, but AS39392.
- Prefix 1.2.3.4/24 marked with communities 0:61195, SoO:0:61195, and SoO:197013:0
 - > Prefix won't be advertised to networks connected to route servers, except for AS197013.

Community	Action
POP	
61195:3001	advertise to peers connected in Prague/Czech Republic PoP
61195:3002	advertise to peers connected in Bratislava/Slovakia PoP
61195:3003	advertise to peers connected in Vienna/Austria PoP
61195:3004	advertise to peers connected in Frankfurt/Germany PoP
Home country + PoP	
61195:4101	advertise to network based in Czech Republic and connected in Prague/Czech Republic PoP
61195:4102	advertise to network based in Slovakia and connected in Bratislava/Slovakia PoP
61195:4103	advertise to network based in Austria and connected in Vienna/Austria PoP
61195:4104	advertise to network based in Germany and connected in Frankfurt/Germany PoP