



Knowledge Card | Frankfurt

Route Server Operational Communities

*Where
networks
meet*

de-cix.net/academy





You can use communities to control how the route server redistributes your prefixes. We support traditional, extended and large communities.

Communities must be set on each prefix they should apply to. All communities can be combined.

	IPv4	IPv6
Autonomous System	6695	6695
RS1	80.81.192.157	2001:7f8::1a27:5051:c09d
RS2	80.81.193.157	2001:7f8::1a27:5051:c19d
RS Blackholing	80.81.192.158	2001:7f8::1a27:5051:c09e
RIR macro (AS-SET)	AS-DECIX	AS-DECIX-V6

Action	BGP Standard Community	BGP Extended Community	BGP Large Community
Redistribute			
to all	6695:6695	rt:6695:6695	6695:1:0
to none	0:6695 NO-EXPORT NO-ADVERTISE	rt:0:6695	6695:0:0
to PEERAS	6695:PEERAS*	rt:6695:PEERAS	6695:1:PEERAS
NOT to PEERAS	0:PEERAS*	rt:0:PEERAS	6695:0:PEERAS
Prepend AS path (sender's AS is added to the AS path multiple times)			
to all peers once	65001:0		6695:101:0
to PEERAS once	65001:PEERAS*	rt:65001:PEERAS	6695:101:PEERAS
to all peers twice	65002:0		6695:102:0
to PEERAS twice	65002:PEERAS*	rt:65002:PEERAS	6695:102:PEERAS
to all peers three times	65003:0		6695:103:0
to PEERAS three times	65003:PEERAS*	rt:65003:PEERAS	6695:103:PEERAS
Add NO-EXPORT (well-known community NO-EXPORT is added when re-announcing)			
to all peers	6695:65281		
to PEERAS			6695:901:PEERAS
Add NO-ADVERTISE (well-known community NO-ADVERTISE is added when re-announcing)			
to all peers	6695:65282		
to PEERAS			6695:902:PEERAS

* Only 16-Bit AS numbers possible here