



Knowledge Card | New York Route Server Operational Communities

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networks
meet*

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New York

Route Server Operational Communities

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 | 63034 | 63034 |
| RS1 | 206.130.10.252 | 2001:504:36::f63a:afc:1 |
| RS2 | 206.130.10.253 | 2001:504:36::f63a:afd:1 |
| RIR macro (AS-SET) | AS-DECIX-NYC | AS-DECIX-NYC-V6 |

| Action | BGP Standard Community | BGP Extended Community | BGP Large Community |
|---|--------------------------------------|------------------------|---------------------|
| Redistribute | | | |
| to all | 63034:63034 | rt:63034:63034 | 63034:1:0 |
| to none | 0:63034 NO-EXPORT NO-ADVERTISE | rt:0:63034 | 63034:0:0 |
| to PEERAS | 63034:PEERAS* | rt:63034:PEERAS | 63034:1:PEERAS |
| NOT to PEERAS | 0:PEERAS* | rt:0:PEERAS | 63034:0:PEERAS |
| Prepend AS path (sender's AS is added to the AS path multiple times) | | | |
| to all peers once | 65001:0 | | 63034:101:0 |
| to PEERAS once | 65001:PEERAS* | rt:65001:PEERAS | 63034:101:PEERAS |
| to all peers twice | 65002:0 | | 63034:102:0 |
| to PEERAS twice | 65002:PEERAS* | rt:65002:PEERAS | 63034:102:PEERAS |
| to all peers three times | 65003:0 | | 63034:103:0 |
| to PEERAS three times | 65003:PEERAS* | rt:65003:PEERAS | 63034:103:PEERAS |
| Add NO-EXPORT (well-known community NO-EXPORT is added when re-announcing) | | | |
| to all peers | 63034:65281 | | |
| to PEERAS | | | 63034:901:PEERAS |
| Add NO-ADVERTISE (well-known community NO-ADVERTISE is added when re-announcing) | | | |
| to all peers | 63034:65282 | | |
| to PEERAS | | | 63034:902:PEERAS |

* Only 16-Bit AS numbers possible here