



# BGP COMMUNITIES

Xfernet strips all eBGP communities on AS27630 border devices.  
These are stripped before any application of eBGP import policies.  
Xfernet adds BGP informational communities to all routes it receives.

## INFORMATIONAL COMMUNITIES

Built as 27630:TCLP

### Route Type: (T)

- 1 Public Peer
- 2 Private Peer
- 3 Transit
- 4 Customer
- 5 Internal

### Country: (C)

- 1 North America
- 2 Europe
- 3 Asia
- 4 Australia
- 5 South America
- 6 Africa
- 7 Middle East

### Location/City: (L)

- 01 Los Angeles
- 02 Chicago
- 03 Ashburn
- 04 New York
- 05 London
- 06 Dublin

### Provider/Exchange: (P)

- 01 Level3
- 02 NTT
- 03 PCCW
- 04 Telia
- 05 Cogent
- 06 GTT
- 07 Zayo
- 50 Any2 Los Angeles
- 51 Equinix Exchange Los Angeles
- 52 MegalX Los Angeles
- 53 Equinix Exchange Chicago
- 54 Equinix Exchange Ashburn
- 55 MegalX Ashburn
- 56 Linx NoVA
- 57 Equinix Exchange New York
- 58 Linx LON1
- 59 Linx LON2

## ACTIONAL COMMUNITIES

Action communities will have an action and target communities.

Actions that can be performed:

### Route Prepending:

- 65501 - Prepend the AS-Path 1 time using AS27630 (27630 27630 CUST)
- 65502 - Prepend the AS-Path 2 times using AS27630 (27630 27630 27630 CUST)
- 65503 - Prepend the AS-Path 3 times using AS27630 (27630 27630 27630 27630 CUST)
- 65500 - Do not advertise route to target (no-export)



## ACTIONAL COMMUNITIES CON'T

### Target:

#### IP Transit Providers:

174 Cogent  
2914 NTT  
3356 Level3  
6461 Zayo  
1299 Telia  
3491 PCCW  
65535 All Transit Providers

### Regional Peering:

65000 All regions  
65001 North America  
65002 Europe  
65003 Asia  
65004 Oceania  
65005 South America  
65006 Africa

### Internet Exchanges:

65100 All USA peering exchanges  
65101 Equinix Exchange Los Angeles  
65102 Any2 Los Angeles  
65103 MegalX Los Angeles  
65104 Equinix Exchange Chicago  
65105 Equinix Exchange Ashburn  
65106 MegalX Ashburn  
65107 Linx NoVA  
65150 All UK Peering  
65151 Linx LON1  
65152 Linx LON2

## PREFERENCE COMMUNITIES (ACTIONABLE)

### Route Preference:

27630:50 Set local pref to 50 (last resort/backup)  
27630:100 Set local pref to 100 (transit default)  
27630:150 Set local pref to 150 (between transit and peer)  
27630:200 Set local pref to 200 (peer default)  
27630:250 Set local pref to 250 (between peer and customer)  
27630:300 Set local pref to 300 (customer default)

## BGP BLACKHOLING

This can be advertised up to /32 (v4) or /128 (v6)

27630:666 Blackhole