BGP Community Definitions

Eric Van Tol - 2026-04-01 - Comments (0) - Connectivity

Atlantech Online BGP Community Definitions

Filtering on /24 boundary is applied - we do not re-advertise any route more specific than a /24 to external peers.

Route Acceptance Policy
Routes will not be accepted if any other community than what is listed below is being seen from customer announcements.

Prefix Type Communities

- 7784:1000 - Customer route
- 7784:1100 - Private Peer route
- 7784:1200 - NSP route
- 7784:7784 - AOI Aggregate Netblocks

NSP Prefix Origin Communities

- 7784:1260 - GTT
- 7784:1270 - Cogent
- 7784:1280 - Zayo
- 7784:1290 - Hurricane Electric
- 7784:1110 - Ashburn Private peers (Equinix)
- 7784:1120 - Silver Spring Private Peers (LINX)

Community Definition - Local Preference/No-Export

By default, peer routes are assigned a local preference of 80. Customer routes learned over NSP or private peering links will never be preferred over a direct customer connection without prior approval by Atlantech Online engineering staff. This includes more specifics of customer aggregate blocks.
Atlantech provides local-preference control for customer links (settable by customer).

- 7784:90 - Set local preference 90
- 7784:120 - Set local preference 120
- no-export - Set do not export beyond AS7784

By default, customer routes are assigned a local preference of 100.

Atlantech provides community values to its customers so that they may affect traffic flows for their prefixes off-net.

These communities are provided as-is and no guarantee is made as to their effectiveness. The routing policies of peers can and do change periodically. Atlantech Online will make a best effort to ensure that the "influence peer" community policies below work to the best of our knowledge.

Current Atlantech NSP Peer List:

- AS174 - Cogent (Ashburn, VA)
- AS3257 - GTT (Los Angeles, CA)
- AS6461 - Zayo (Philadelphia, PA)
- AS6939 - Hurricane Electric (Ashburn, VA / Philadelphia, PA / Los Angeles, CA)

Community Definitions	
10:12000	Set localpref to 'peer level' on all Atlantech Tier 1 Peers
7784:1200[1-3]	Prepend AS7784 1-3 times to all NSP peers
7784:12000	Do not announce to any NSP peers

666:12000	Do not announce past any NSP peers
7784:1260[1-3]	Prepend AS7784 1-3 times to GTT
7784:12609	Announce only to GTT
7784:12600	Do not announce to GTT
60:3257	Set localpref to 60 in GTT
70:3257	Set localpref to 70 in GTT
80:3257	Set localpref to 80 in GTT
666:3257	Do not announce past GTT (no-export)
7784:1280[1-3]	Prepend AS7784 1-3 times to Zayo
7784:12809	Announce only to Zayo
7784:12800	Do not announce to Zayo
60:6461	Set localpref to 60 in Zayo
70:6461	Set localpref to 70 in Zayo
80:6461	Set localpref to 80 in Zayo
90:6461	Set localpref to 90 in Zayo
180:6461	Set localpref to 180 in Zayo
220:6461	Set localpref to 220 in Zayo
666:6461	Do not announce past Zayo (no-export)
7784:1290[1-3]	Prepend AS7784 1-3 times to Hurricane Electric
7784:12909	Announce only to Hurricane Electric
7784:12900	Do not announce to Hurricane Electric
7784:1110[1-3]	Prepend AS7784 1-3 times to Ashburn Private Peers
7784:11109	Announce only to Ashburn Private Peers
7784:11100	Do not announce to Ashburn Private Peers
7784:1120[1-3]	Prepend AS7784 1-3 times to Silver Spring Private Peers
7784:11209	Announce only to Silver Spring Private Peers
7784:11200	Do not announce to Silver Spring Private Peers
7784:1270[1-3]	Prepend AS7784 1-3 times to Cogent
7784:12709	Announce only to Cogent
7784:12700	Do not announce to Cogent
10:174	Set localpref to 10 in Cogent
70:174	Set localpref to 70 in Cogent
120:174	Set locapref to 120 in Cogent
140:174	Set localpref to 140 above default in Cogent

- Tags
- bgp
- community
- routing