



BGP Communities

AS14840

This document provides a complete list of communities that can be used by customers to control their traffic and implement routing policies more easily with according to their needs.

1. Global Communities

Community	Action
14840:600	Route is announced globally to the entire Internet (optional)
14840:601	Route stays within br.digital only (no-export)
14840:602	Route is announced to br.digital and all its AS customers
14840:603	Route is announced only to national/international IXPs
14840:604	Route is not announced to national/international IXPs
14840:605	Route is not announced to national IXPs
14840:606	Route is not announced to international IXPs

2. Local Preference

By default, all routes learned by br.digital from customers will have local preference 200. If the customer wishes to perform link backup, load balancing, etc., the communities below can be used to influence the best-path selection decision.

Community	Action
14840:670	Sets the route local preference to 170
14840:680	Sets the route local preference to 180
14840:690	Sets the route local preference to 190

Notes:

- Using communities to modify the local preference attribute only makes sense if the customer has two or more BGP sessions with AS14840 (br.digital).

3. National Public Internet Exchange Points

Location	No Announce	Prepend +1	Prepend +2	Prepend +3
NIC.br IX.br-RS	14840:9000	14840:9001	14840:9002	14840:9003
NIC.br IX.br-CXJ	14840:9010	14840:9011	14840:9012	14840:9013
NIC.br IX.br-SC	14840:9020	14840:9021	14840:9022	14840:9023
NIC.br IX.br-PR	14840:9030	14840:9031	14840:9032	14840:9033
NIC.br IX.br-SP	14840:9040	14840:9041	14840:9042	14840:9043
NIC.br IX.br-DF	14840:9050	14840:9051	14840:9052	14840:9053
NIC.br IX.br-RJ	14840:9060	14840:9061	14840:9062	14840:9063
NIC.br IX.br-BA	14840:9070	14840:9071	14840:9072	14840:9073
NIC.br IX.br-CE	14840:9080	14840:9081	14840:9082	14840:9083
NIC.br IX.br-PE	14840:9090	14840:9091	14840:9092	14840:9093
NIC.br IX.br-MG	14840:9100	14840:9101	14840:9102	14840:9103
NIC.br IX.br-GYN	14840:9110	14840:9111	14840:9112	14840:9113
NIC.br IX.br-SE	14840:9120	14840:9121	14840:9122	14840:9123
NIC.br IX.br-CGR	14840:9130	14840:9131	14840:9132	14840:9133
NIC.br IX.br-IGU	14840:9140	14840:9141	14840:9142	14840:9143
NIC.br IX.br-VIX	14840:9150	14840:9151	14840:9152	14840:9153
NIC.br IX.br-CAU	14840:9160	14840:9161	14840:9162	14840:9163
NIC.br IX.br-FEC	14840:9170	14840:9171	14840:9172	14840:9173
NIC.br IX.br-CGB	14840:9180	14840:9181	14840:9182	14840:9183

4. International Public Internet Exchange Points

Location	No Announce	Prepend +1	Prepend +2	Prepend +3
Equinix Miami MI1	14840:9200	14840:9201	14840:9202	14840:9203
DE-CIX Frankfurt	14840:9220	14840:9221	14840:9222	14840:9223
Net.IX	14840:9250	14840:9251	14840:9252	14840:9253
DE-CIX New York	14840:9260	14840:9261	14840:9262	14840:9263
IX CDE Paraguay	14840:9270	14840:9271	14840:9272	14840:9273

5. Blackhole (discard)

BGP blackhole is a routing technique used to discard unwanted traffic to prevent it from reaching the customer's network. When the blackhole community is tagged, all routers in the br.digital backbone discard traffic destined to the announced IP.

Community	Action
14840:666	Blackhole (discard)

Notes:

- For the blackhole community, an IPv4 /32 or IPv6 /128 address must be specified

6. RPKI

Allows customers to more easily implement routing policies based on prefix origin validation.

Community	ROA Status
14840:900	Válido
14840:901	Inválido
14840:902	Unknown

7. Origin Communities

Origin communities are forwarded to all customers by default. They carry information about where the route was learned, the peering point, etc.

Community	Origin
14840:20	Transits
14840:30	Customers
14840:40	National IXPs
14840:50	PNIs

Notes:

- All routes in the partial routing table originate from communities 14840:30, 14840:40, and 14840:50.
- All routes announced in the partial table are tagged with an additional community 14840:10 to facilitate filtering by the customer.

7.1. Network Points of Presence

Community	Location
14840:7110	São Paulo/SP
14840:7111	Barueri/SP
14840:7510	Porto Alegre/RS
14840:7480	Florianópolis/SC
14840:7410	Curitiba/PR
14840:7210	Rio de Janeiro/RJ
14840:7710	Salvador/BA
14840:7850	Fortaleza/CE
14840:7810	Recife/PE
14840:7610	Brasília/DF
14840:7620	Goiânia/GO
14840:7920	Manaus/AM
14840:7660	Sinop/MT
14840:7671	Campo Grande/MS
14840:7310	Contagem/MG
14840:7790	Aracaju/SE
14840:7000	Miami/FL
14840:7001	New York/NY

7.2. Internet Exchange Points

Community	Location
14840:6000	NIC.br IX.br-RS
14840:6001	NIC.br IX.br-CXJ
14840:6002	NIC.br IX.br-SC
14840:6003	NIC.br IX.br-PR
14840:6004	NIC.br IX.br-SP
14840:6005	NIC.br IX.br-DF
14840:6006	NIC.br IX.br-RJ
14840:6007	NIC.br IX.br-BA
14840:6008	NIC.br IX.br-CE
14840:6009	NIC.br IX.br-PE
14840:6010	NIC.br IX.br-MG

14840:6011	NIC.br IX.br-GYN
14840:6012	NIC.br IX.br-SE
14840:6013	NIC.br IX.br-CGR
14840:6014	NIC.br IX.br-IGU
14840:6015	NIC.br IX.br-VIX
14840:6016	NIC.br IX.br-CAU
14840:6017	NIC.br IX.br-FEC
14840:6018	NIC.br IX.br-CGB
14840:4000	Equinix Miami MI1
14840:4002	DE-CIX Frankfurt
14840:4005	Net.IX
14840:4006	DE-CIX New York
14840:4007	IX CDE Paraguay