

BGP Path Control



Step	Letter	Short Phrase	Preference	Direction	Default	Configuration and comments
0	N	Next Hop Reachable	No next hop = can't use	n/a	n/a	n/a
1	W	Weight (proprietary)	Bigger	Outbound	0 - Learned 32768 - Locally injected	neighbor route-map (per prefix) ... use set weight neighbor weight (all routes from neighbor)
2	L	LOCAL_PREF	Bigger	Outbound	100	neighbor route-map in (per prefix) ... use set local-preference Not advertised to eBGP peers. set default using bgp default local-preference
3	L	Locally Injected	Locally over iBGP/eBGP peer	n/a	n/a	Prefer the path that was locally originated via a network or aggregate-address BGP subcommand or through redistribution from an IGP. The aggregate-address command is least favoured in event of tie.
4	A	AS_PATH Length	Smaller	Both	n/a	neighbor route-map in (per prefix) ... use set as-path prepend x y z . In this context, BGPs loop prevention mechanism doesn't block routes with repeated AS numbers in their AS_PATH
5	O	ORIGIN	Prefer I over E over ?	Outbound	n/a	n/a
6	M	MED	Smaller	Inbound	0	neighbor route-map out (per prefix) ... use set metric Even appears as metric in routing table
7	N	Neighbor Type	Prefer eBGP over iBGP	n/a	n/a	n/a
8	I	IGP Metric to Next_Hop	Smaller	n/a	n/a	n/a
9	T	Time it has had route	Older	n/a	n/a	n/a
10	R	Neighbor RID	Smaller	n/a	n/a	bgp router-id
11	I	Neighbor IP	Smaller	n/a	n/a	n/a