

Routing design – eBGP

Routes for customer traffic are in **External BGP**

198.51.100.0/24
 100.65.0.0/24
 100.65.1.0/24
 100.65.2.0/24
 100.65.3.0/24

BGP VPLS 1:1 Gateway
 198.51.100.1

Tower 2 - IPv4/IPv6

IPv4 – 100.65.0.0/22
 IPv6 – 2001:db8:1000::/40

Tower Public IPv4 Networks
BGP VPLS 1:1 - 198.51.100.0/24

198.51.100.11
 2001:db8:1000::/56

Upstream

203.0.113.0/30
 2001:db8:100::/120

Routes for public prefixes are advertised in **External BGP**

198.51.100.0/24
 2001:db8::/32

Use BGP to originate **0.0.0.0/0** default route which must be allowed at each AS along the path

BGP AS 65001
 Lo – 100.127.0.1

BGP AS 65002
 Lo – 100.127.0.2

BGP AS 65003
 Lo – 100.127.0.4

100.65.4.101
 2001:db8:1100::/56

BGP AS 65004
 Lo – 100.127.0.3

Tower 3 - IPv4/IPv6

IPv4 – 100.65.4.0/22
 IPv6 – 2001:db8:1100::/40

