



CCNA CHEAT SHEET

Static Vs Dynamic Routing

Static Routes

Administrator - "The destination network is THAT way"

Static routing is a route directly inserted in to the routing table by the administrator, because of this it is very trustworthy with an Administrative Distance of 1.

The destination can be configured with either the routers exit interface (egress) or configured with the next router in the paths Next Hop address.

Dynamic Routes

Router - "HEY! The destination network is THIS way"

Dynamic routing is configured by the administrator but it is the protocol that puts entries in to the routing table
Administrative Distance varies per Protocol.

Networks directly connected to the router can be advertised to other routers through messages sent between routers that both use the same routing protocol.