

OSPF Routing Cost

23 Jonathan Tue, Jul 25, 2017 [Ethernet / MPLS](#), [Hosting & Datacentres](#) 4922

OSPF routing cost - quick overview

The `ospf cost` is part of what the OSPF network uses to choose between alternative routes. The default cost is 1000000. The default value they use is rubbish because any Router OSPF 1000000 cost reference bandwidth 500000

Juniper configuration for OSPF

Juniper routers will automatically calculate the cost of an interface based on its bandwidth. The formula is: $\text{cost} = \frac{1000000000}{\text{bandwidth}}$. For example, a 100Mbit/s interface will have a cost of 1000000. The command to set a cost is: `key=XXXXXX COST 500000 interface ether2 network-type broadcast`

The table of costs we will set are shown below

BIT/SEC	ROUTING COST
100M	1000000
10M	10000000
1M	1000000000

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