

OSPF Routing Cost

23 Jonathan Tue, Jul 25, 2017 [Ethernet / MPLS](#), [Hosting & Datacentres](#) 5145

OSPF routing cost - quick overview

The ospf routing cost is part of what the OSPF network uses to choose between alternative routes. It is calculated based on the interface bandwidth. The default value they use is rubbish because any router will have a default cost of 100. The formula is: $\text{Cost} = \frac{\text{Reference Bandwidth}}{\text{Interface Bandwidth}}$

Juniper configuration for OSPF

```
interface ge-0/0/0 {  
  family inet {  
    address 10.0.0.1/24;  
    ospf {  
      cost 500;  
    }  
  }  
}
```

The table of costs we will set are shown below

Interface	Bits/sec	Routing Cost
ge-0/0/0	1000000000	100
ge-0/0/1	1000000000	100
ge-0/0/2	1000000000	100
ge-0/0/3	1000000000	100
ge-0/0/4	1000000000	100
ge-0/0/5	1000000000	100
ge-0/0/6	1000000000	100
ge-0/0/7	1000000000	100
ge-0/0/8	1000000000	100
ge-0/0/9	1000000000	100
ge-0/0/10	1000000000	100
ge-0/0/11	1000000000	100
ge-0/0/12	1000000000	100
ge-0/0/13	1000000000	100
ge-0/0/14	1000000000	100
ge-0/0/15	1000000000	100
ge-0/0/16	1000000000	100
ge-0/0/17	1000000000	100
ge-0/0/18	1000000000	100
ge-0/0/19	1000000000	100
ge-0/0/20	1000000000	100
ge-0/0/21	1000000000	100
ge-0/0/22	1000000000	100
ge-0/0/23	1000000000	100
ge-0/0/24	1000000000	100
ge-0/0/25	1000000000	100
ge-0/0/26	1000000000	100
ge-0/0/27	1000000000	100
ge-0/0/28	1000000000	100
ge-0/0/29	1000000000	100
ge-0/0/30	1000000000	100
ge-0/0/31	1000000000	100

Online URL: <https://kb2.ic.uk/article.php?id=23>