

OSPFv2 Cheat Sheet

OSPF Administrative Distance (Preference)

Cisco	110
Nokia	10 (Internal) 150(External)
Huawei	10 (Internal) 150(External)
Juniper	10 (Internal) 150(External)

OSPF Router Types

Internal R.	Router in a Single Area
Backbone R.	Routers in Area 0
ABR	Routers connected to multiple areas
ASBR	Routers connected to another Autonomous System

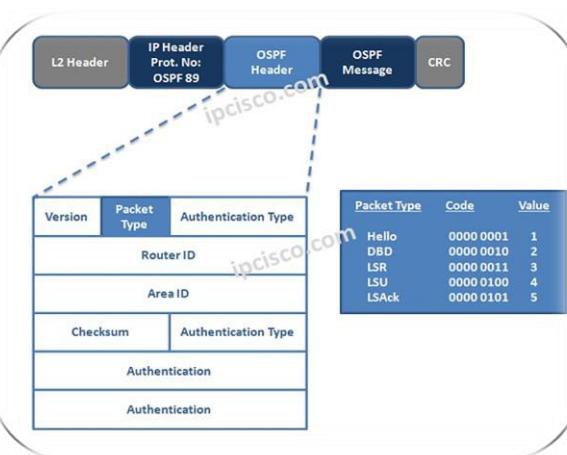
OSPF General

Uses Dijkstra's SPF Algorithm

Link State Routing Protocol

Classless Routing Protocol

Open and Standard Protocol

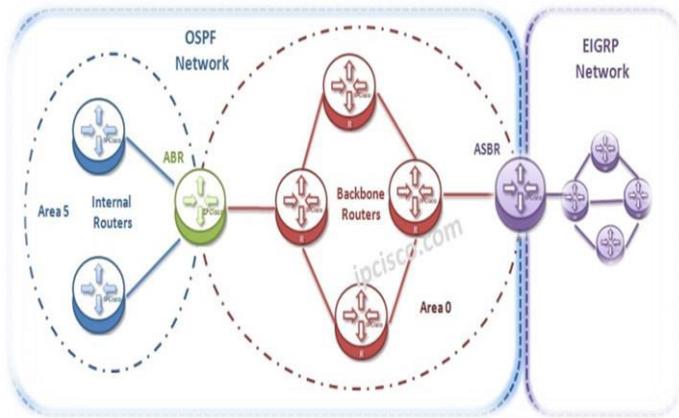


Packet Types

Hello
DBD
LSR
LSU
LSAck

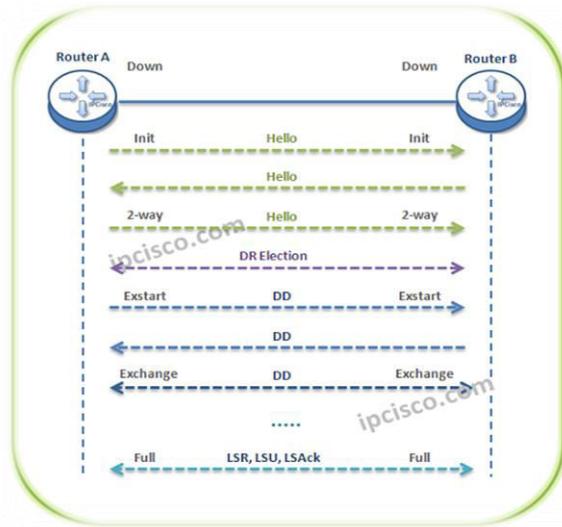
OSPF Tables

Neighbor Table
Topology Table
Routing Table



OSPF Network Types

Broadcast (Cisco)
NBMA (Nonbroadcast Multi Access)
Point-to-Point (Cisco)
Point-to-Multipoint
Point-to-Multipoint Non Broadcast



OSPF Area Types

Standard Area

Backbone Area (Area 0)

Stub Area

NSSA (Not So Stubby Area)

Totally Stub Area

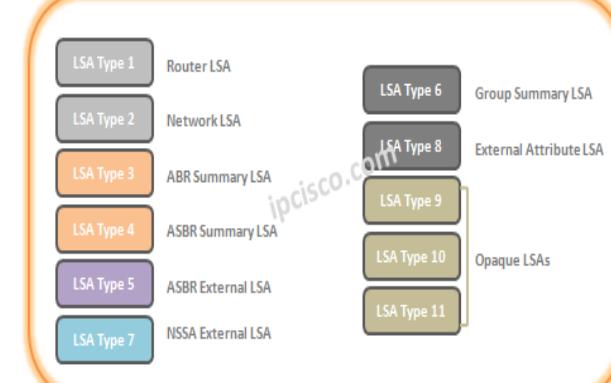
Totally NSSA

OSPF Routing Table Abbreviations

O	Intra area route
O IA	Inter area route
O E1 / E2	External routes
O N1/N2	

E1 = Cost to ASBR + Advertised External Cost

E2 = Advertised External Cost



OSPF Multicast Addresses

224.0.0.5 All Routers

224.0.0.6 All DRs