

Device : Port

P1: 2001	R4: 2009
P2: 2002	R3: 2010
A1: 2003	R2: 2011
A2: 2004	R1: 2012
S1: 2005	I3: 2013
D1: 2006	I2: 2014
D2: 2007	I1: 2015
S2: 2008	I4: 2016

Tasks:

1. Configure D1 & D2 as DHCP servers for clients on VLAN 10.
2. Place PC1 & PC2 to VLAN 10.
3. Add IP Addresses on PC1 & PC2 via DHCP
4. Configure default and static routes to PC1 & PC2, and A1 & A2.
5. Configure EIGRP on D1, D2, & R4.
6. Set Loopbacks on R1, R2, R3, & R4, then configure them for OSPF with the specified OSPF Areas.
7. Configure Redistribution on R4 so that EIGRP and OSPF will distribute routes to each other.
8. Configure BGP on R1, I1, I2, I3, & I4 using the specified AS Number.
9. Add Loopback 8.8.8.8 on I4.
10. Configure static routes on I1, I2, & I3 so that they can reach the 10.0.0.0 network.
11. Ping and Traceroute 8.8.8.8 on either PC1 or PC2 to prove connectivity.

