



## **TEAM RIVAN Next Gen Labs**Route Switch TShoot Lab

## **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.