

## **Cisco CCNA (200-301)**

### **Configuring and Verifying EtherChannel**

Learner Objective: Configure and Verify Etherchannel

Description: When multiple connections are made between switches, they do not automatically aggregate the data flow across those connection. You will learn how to configure Etherchannel (LACP) at both Layer 2 and 3 to see how to make it work.

#### **Q: What is Etherchannel and what does it do?**

- Aggregates the bandwidth of multiple links between switches.
- Provides more bandwidth
- Fault Tolerance
- Spanning Tree Protocol: EtherChannel is seen as single link

#### **Q: Are there any limitations?**

- There is a limitation to the max number of links 8 links

#### **Q: Can you show us how to configure it?**

Layer 2 demo

Layer 3 demo

#### **Endnotes, External and etc.,**

- 2.3 Configure and verify Layer 2 discovery protocols (Cisco Discovery Protocol and LLDP)
- Exam 200-301 Objectives