



Computer Networking Virtual Learning

**Network Security - 16.1 -**

**Optimization**

**April 21, 2020**



Lesson: 4/21/2020

## Objective/Learning Target:

- Configure NIC teaming



# Focus Questions

- Which feature would you use to configure a device with two connections to the same network?
- What is the purpose of spanning tree in a switched network?
- How does spanning tree compare to Ethernet bonding?
- Why doesn't spanning tree provide improved performance?
- How does a caching server improve network performance?
- When should quality of service (QoS) be a major concern on your network?
- What is the difference between a collision domain and a broadcast domain?
- Your network uses hubs as connection devices. What happens to the number of collisions on the network as you add devices?
- Which device provides guaranteed bandwidth between devices?
- Which device can you use to filter broadcast traffic?
- Your network uses switches as connection devices. All devices have a dedicated switch port. What happens to the number of collisions on the network as you add devices?



# Learning Tasks

- Navigate to TestOut.com & log on using your credentials
- Navigate to Network Pro Chapter 16 - Network Optimization, Section 1 - Optimization
- Review Vocabulary words for 16.1 before starting into Section
- Read Fact Sheets located in sections 16.1.3, 16.1.7
- Watch videos located in sections 16.1.1, 16.1.2, 16.1.4, 16.1.5
- Complete Lab Simulation in section 16.1.6
- Answer/Review Practice Questions located in section 16.1.8



# Time Breakdown

Videos = 27 Minutes

Fact Sheets = 10 minutes

Lab Simulation = 5 minutes

Practice Questions = 15 minutes

**Total Time = 57 minutes**

Reference: [TestOut Network Pro Lesson Plan Document](#)