

Internetworking Laboratory Introduction

Internetworking Lab Titles

During this semester we shall be conducting the following laboratory experiments for the course of Internetworking.

1. Configuring TCP/IP on a host and using basic configuration and troubleshooting utilities
2. Using a packet sniffer – tcpdump, ethereal
3. Making and Testing Cables
4. Establishing a PPP connection between two devices and establishing a network with static routes
5. Using RIP for Internet Protocol
6. Using OSPF
7. BGP
8. Setting up a packet filtering firewall
9. Using NAT and allowing access to hosts inside a firewall
10. Setting up MRTG to monitor link performance
11. Setting up a DNS Server
12. Final Lab that covers all of the above comprehensively

Lab Groups

You must form your group in the first session of the lab and perform all lab assignments collectively. Each group will consist of three students. However, each student is required to submit an individual laboratory report. The laboratory report must not show any evidence of copying information.