IN723 Lesson Plan

# Details

## Course: IN723 Advanced Networking

## Lesson Title: VPN

# Objectives

The students will understand, evaluate and implement solutions for secure site to site VPNs using GRE and IPsec.

# Resources

**Cisco Site-to-Site VPN Technologies Comparison**

<http://www.cisco.com/c/dam/en/us/products/collateral/ios-nx-os-software/enterprise-class-teleworker-ect-solution/prod_brochure0900aecd80582078.pdf>

**LAN-to-LAN IPsec Tunnel between Two Routers Config Example**

<http://www.cisco.com/c/en/us/support/docs/routers/1700-series-modular-access-routers/71462-rtr-l2l-ipsec-split.html>

# Readings / Video

**Introducing VPNs**

<https://www.lynda.com/CCNA-tutorials/Introducing-virtual-private-networks/385698/434054-4.html>

**Understanding GRE tunnels**

<https://www.lynda.com/CCNA-tutorials/Understanding-GRE-tunnels/385698/434055-4.html>

# Lesson Content / Labs

* Presentations

\IN723 Topic3 OSPF\IN723 VPN Lesson1

* Labs

7.1.2.4 Packet Tracer – Configuring VPNs (IPsec)

7.2.2.3 Packet Tracer – Configuring GRE

7.2.2.4 Packet Tracer - Troubleshooting GRE

7.3.2.8 Packet Tracer – Config GRE over Ipsec (optional)