

Network Security

npNOG4

10th Dec – 14th Dec, 2018

Sessions

- Session 1:
 - 10:00 – 11:30
- Session 2:
 - 12:00 – 13:30
- Session 3:
 - 14:30 – 16:00
- Session 4:
 - 16:30 – 18:00

Instructors

- Muhammad Moinur Rahman (APNIC)
- Chatur Shakya (PCH)
- Rupesh Basnet (OM Networks)

Agenda

- Day 1
 - Cyber Security Overview, Threat Pragmatics
 - Packet capture and analysis
 - Cryptography Basics
 - MD5 and SSH lab

Agenda

- Day 2
 - Two-Factor Authentication
 - Securing Network Infrastructure
 - TLS/SSL (Let's Encrypt)
 - DNS Security

Agenda

- Day 3
 - Route Filtering
 - VPN and IPSec
 - Intrusion Detection
 - Implementing Secure Administrative Hosts (Jumphost)

Agenda

- Day 4
 - IPv6 and IPv6 security
 - DNS Overview
 - DNS Security Concepts

Agenda

- Day 5
 - Transaction Signatures (TSIG)
 - DNS Security Extensions (DNSSEC)
 - Implementing DNSSEC
 - Incident Handling and Response

Resources

- WiFi SSID : **APNIC-TRAINING**
- Password: **2406:6400::/32**
- Course Material:
<https://wiki.apnictraining.net/netsec20181209-np>
 - All slides
 - All lab materials
 - And a Survey Link
- VM address: 192.168.30.[1-30]