Network Management and Monitoring Workshop

Introduction

This workshop is designed for engineers and system staffs at ISPs and large networks including academic networks who are involved with system management, network monitoring and management and problem response. The course is for those who need to manage diverse Network and NOC operations. There will be hands-on for three days.

Objectives

By the end of this course you will be able to: Distinguish between network management and monitoring.

- Determined what should be monitored.
- Install various network management/monitoring tools.
- Track the changed on the network device's configurations.
- Use SNMP protocol and log management.

Requirements

- laptop with wireless capability.
- IPv4 addressing and general network concepts.
- Knowledge of Linux.

Instructors

- Salih Shihab
- Patrick Okui

Agenda

Time	Day 1: Sunday 14 August	Day 2: Monday 15 August	Day 3: Tuesday 16 August
09:00 – 11:00	Welcome, Introductions, Workshop Details	Cacti software	Nagios3 Software
11:00 – 11:30	Coffee break	Coffee break	Coffee break

11:30 – 13:00	Introduction to Network Monitoring & Management	Smokeping software	LOG Management
13:00 – 14:00	Lunch	Lunch	Lunch
14:00 – 16:30	Cisco Configuration Basics and SNMP	LimbreNMS software	Version control RANCID / WebSVN and NetFlow / NfSen

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