Network Monitoring and Measurement Workshop

Report of Contributions

Contribution ID: **6**   Type: **Speech**

Welcome

Monday, 28 September 2015 08:30 (30 minutes)

Session Classification: Day 1

Contribution ID: **7**   Type: **Presentation**

Motivation for Network Management

Monday, 28 September 2015 09:00 (30 minutes)

Session Classification: Day 1

Contribution ID: **8**   Type: **Presentation**

Introduction to Network Management

Monday, 28 September 2015 09:30 (30 minutes)

Session Classification: Day 1

Contribution ID: **9**   Type: **Exercises**

Basic Linux for VM usage

Monday, 28 September 2015 10:00 (30 minutes)

Linux Basics

Session Classification: Day 1

Contribution ID: **10** Type: **Presentation**

Cisco Configuration Refresher

Monday, 28 September 2015 11:00 (30 minutes)

Session Classification: Day 1

Contribution ID: **11**   Type: **Presentation**

Simple Network Management Protocol (SNMP)

Monday, 28 September 2015 12:00 (30 minutes)

Session Classification: Day 1

Contribution ID: **12**　　　　　　　　　　　　　　　　　　　　Type: **Exercises**

Cisco Configuration Labs

Monday, 28 September 2015 11:30 (30 minutes)

Cisco Configuration

Session Classification: Day 1

Contribution ID: **13** Type: **Exercises**

SNMP Labs

Monday, 28 September 2015 14:00 (1 hour)

SNMP exercises

Session Classification: Day 1

Contribution ID: **14**   Type: **Presentation**

Cacti

Monday, 28 September 2015 15:00 (30 minutes)

Session Classification: Day 1

Contribution ID: **15** Type: **Exercises**

Cacti Labs

Monday, 28 September 2015 16:30 (1 hour)

Cacti Installation and Configuration

Session Classification: Day 1

Contribution ID: 16 Type: **Presentation**

Observium

Tuesday, 29 September 2015 08:30 (45 minutes)

Session Classification: Day 2

Contribution ID: **17**   Type: **Presentation**

TCP and UDP concepts refresher

Wednesday, 30 September 2015 08:30 (1 hour)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **18** Type: **not specified**

TCP/UDP measurements lab (iperf, owamp, udpmon)

Wednesday, 30 September 2015 09:30 (1 hour)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **19** Type: **Presentation**

Introduction to the perfSONAR toolkit

Wednesday, 30 September 2015 11:00 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **20**   Type: **Exercises**

perfSONAR toolkit lab (web interface, toolkit administration)

Wednesday, 30 September 2015 11:30 (1 hour)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **21**   Type: **Exercises**

perfSONAR lab continued (bwctl measurements and configuration, regular testing, ⋯)

Wednesday, 30 September 2015 15:00 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **22** Type: **Exercises**

psUI demo and lab

Wednesday, 30 September 2015 14:30 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **23** Type: **not specified**

MaDDash demo and lab

Wednesday, 30 September 2015 14:00 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **24**   Type: **not specified**

Integration of perfSONAR with alerting/monitoring tools like Nagios

Wednesday, 30 September 2015 13:30 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **25**   Type: **Presentation**

Multi domain monitoring (perfSONAR Lookup Service, RIPE Atlas, NLNOG Ring, ⋯)

Wednesday, 30 September 2015 16:00 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **26** Type: **not specified**

RREN/NREN/Campus NOC collaboration

Wednesday, 30 September 2015 16:30 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **27** Type: **Presentation**

Overview of the perfSONAR roadmap

Wednesday, 30 September 2015 17:00 (30 minutes)

Presenter: Mr DELVAUX, Antoine (PSNC/GÉANT)

Session Classification: Day 3

Contribution ID: **28** Type: **Presentation**

SNMP Continued

Monday, 28 September 2015 13:30 (30 minutes)

SNMP exercises

Session Classification: Day 1

Contribution ID: **29**   Type: **Presentation**

Cacti Continued

Monday, 28 September 2015 16:00 (30 minutes)

Session Classification: Day 1

Contribution ID: **30** Type: **Exercises**

Observium Labs

Tuesday, 29 September 2015 09:15 (1h 15m)

Observium Installation and Configuration

Session Classification: Day 2

Contribution ID: **31**   Type: **Presentation**

Smokeping

Tuesday, 29 September 2015 11:00 (1 hour)

Session Classification: Day 2

Contribution ID: **32**   Type: **Exercises**

Smokeping Labs

Tuesday, 29 September 2015 12:00 (30 minutes)

Install Smokeping and get it to monitor various devices in the class network.

Session Classification: Day 2

Contribution ID: **33**   Type: **Exercises**

Smokeping Labs Continued

Tuesday, 29 September 2015 13:30 (30 minutes)

Adding probes to Smokeping and sending alerts

Session Classification: Day 2

Contribution ID: **34** Type: **Presentation**

Nagios

Tuesday, 29 September 2015 14:00 (1 hour)

Session Classification: Day 2

Contribution ID: **35**　　　　　　　　　　　　　　　　　　　Type: **Exercises**

Nagios Labs

Tuesday, 29 September 2015 15:00 (30 minutes)

Nagios Installation and Configuration

Session Classification: Day 2

Contribution ID: **36**   Type: **Exercises**

Nagios Labs continued

Tuesday, 29 September 2015 16:00 (1h 30m)

Nagios Installation and Configuration

Session Classification: Day 2

Contribution ID: **37**　　　　　　　　　　　　　　　　　　　　　　Type: **Presentation**

Netflow / NfSen

Thursday, 1 October 2015 08:30 (2 hours)

Session Classification: Day 4

Contribution ID: **38**   Type: **Exercises**

Netflow / NfSen Labs

Thursday, 1 October 2015 11:00 (1h 30m)

Exporting flows from Cisco routers, installing nfdump and NfSen and using to identify top talkers

Session Classification: Day 4

Contribution ID: **39** Type: **Presentation**

Log management: Syslog & Tenshi

Thursday, 1 October 2015 13:30 (1 hour)

Session Classification: Day 4

Contribution ID: **40**   Type: **Exercises**

Log management Labs

Thursday, 1 October 2015 14:30 (1 hour)

Using rsyslog and Tenshi

Session Classification: Day 4

Contribution ID: **41**   Type: **Presentation**

Configuration management - RANCID / WebSVN

Thursday, 1 October 2015 16:00 (30 minutes)

Session Classification: Day 4

Contribution ID: **42**　　　　　　　　　　　　　　　　　　　　　　Type: **Exercises**

Configuration Management Labs

Thursday, 1 October 2015 16:30 (1 hour)

Using RANCID

Session Classification: Day 4

Contribution ID: **43** Type: **Presentation**

NOC and Network Documentation

Friday, 2 October 2015 08:30 (2 hours)

Session Classification: Day 5

Contribution ID: 44   Type: **Presentation**

Ticketing Systems for Helpdesks (RT)

Friday, 2 October 2015 11:00 (1h 30m)

Session Classification: Day 5

Contribution ID: **45**   Type: **Exercises**

Ticketing Systems Labs

Friday, 2 October 2015 13:30 (2 hours)

RT Installation and Configuration and integration with Nagios / Cacti

Session Classification: Day 5

Contribution ID: 46   Type: **Presentation**

WACREN Trainers - Africa Training Initiative (ATI)

Friday, 2 October 2015 16:00 (30 minutes)

Session Classification: Day 5

Contribution ID: **47**   Type: **not specified**

Workshop End - Evaluation and Certificate Ceremony

Friday, 2 October 2015 16:30 (1 hour)

Session Classification: Day 5