INASP: Effective Network Management Workshops

Unit 8: Hands-on Practical Experience

About these workshops

Authors:

- Dick Elleray, AfriConnect

    - delleray@africonnect.com
- Chris Wilson, Aptivate

    - chris + inaspbmo2013@aptivate.org

Date: 2013-04-29

Objectives

On completion of this session, we hope you will be able to:

- Use common inbuilt network monitoring tools for simple network checks
- Install / use the Wireshark software packet probe on PC and Linux systems
- Install / use a typical more complex monitoring tool on a Linux system.
- Explore the facilities available on a Linux-based self-contained monitoring toolkit.

If you are the facilitator, please tell the group:

At the end of session I will ask if we have met the objectives – if not, we will discuss again.

Spend some time watching and doing

- Use existing Microsoft Tools on XP (command line)
- Install and use Wireshark or one of the other Windows based capture tools
- Use standard Linux commands from a Linux Live CD
- Use the Kali Linux Live CD for penetration testing

Discuss timetable for the day.

This is your session so do ask questions, raise hands, so we can explore the methods we use and reinforce methods.

Everyone participant must have installed a package using the tool, today or tomorrow. That way you know you can do it again with no help.

I will first demonstrate, and then everyone will have a go installing by themselves. Use a token to indicate who is installing.

Software used:

Knoppix

able to be loaded on any PC – prime intent to provide a live CD to be used anywhere like an Internet café.

Ubuntu

provides open source desktop functionality for the African community. If you are considering installing a computer lab or you don't want to buy any Microsoft software, but you still want to read Word and PowerPoint files, this has Microsoft functionality.

I.e. designer knock offs. This is totally free to download from www.ubuntu.org.

Auditor Security

security probe software that you can use.