

AIS'18 Internet Measurements Workshop

Venue: Etienne Victor room, Radisson Blu Hotel

Date: Sunday, 6 May 2018

Time: 9:00 to 17:30

Agenda:

Morning Session 1 (9.00 - 10.30)

1. Introduction - Overview of Internet Measurements and Platforms (Josiah)
2. Internet Measurements tools - OpenIPMap + RIPEstat (Jasper den Hertog)
3. Introduction to perfSONAR (Antoine Delvaux)

Morning Session 2 (11.00 - 12.30)

1. Examples Internet Measurements Studies
 - a. Latency and Local Content Studies (Josiah)
 - b. Broadband performance in Uganda (Research ICT Africa - Sarah)
2. Examples of usage of perfSONAR (Antoine)
 - a. Effects of small packet loss on throughput in Long Fat Networks (LFN)
 - b. perfSONAR measurements in the WACREN network
3. Getting started on Ripe Atlas (Jasper)

Lunch (12.30 - 14.00)

Afternoon Session 1 (14.00 - 15.30)

- 1. RIPE Atlas hands-on:**
 - a. Introduction to RIPEstat (OpenIP Map)
 - b. Introduction to RIPE Atlas
 - c. Using RIPE Atlas as a visitor
 - d. Looking up public probes
 - e. Finding results of public measurements
 - f. Creating a measurement
 - g. Command-line interface toolset (Cousteau)

Afternoon Session 2 (16.00 - 17.30)

2. PerfSONAR hands-on:

- a. The perfSONAR toolkit
- b. A central server
- c. Measurement mesh coordination
- d. MaDDash: visualising your measurements
- e. The Lookup Service
- f. CLI examples

Facilitators:

Antoine Delvaux

Antoine Delvaux, M.Sc.Eng. in Computer Science from the University of Liège, Belgium (1999), is a perfSONAR developer and trainer for different organisations (WACREN, GÉANT, PSNC, Indiana University/NEAAR). He has participated in different network and services monitoring activities, both on the operational and the software development sides, mainly in the Research and Education Community. He is involved in the perfSONAR project since 2008.

Jasper Den Hertog

Jasper den Hertog is a UI and data solutions engineer at the R&D department of the RIPE NCC, where we works on data visualisations, complex UI interactions and large scale data storage, retrieval and analysis. Formerly, he has been a hands-on network engineer and developer. He holds a M.Sc. from Delft University of Technology, The Netherlands

Josiah Chavula

Josiah Chavula is a Senior Research Engineer at AFRINIC Ltd, where he undertakes Internet Measurements research, focusing on Internet development and performance in Africa. He has a PhD in Computer Science from the University of Cape Town, MSc degree in Networking and Internet Systems from Lancaster University, England, and a BSc in Computer Science and Physics from the University of Malawi.