

AFIX-TF TECHNICAL WORKSHOP REPORT (CONGO-BRAZZAVILLE)

I. Introduction

The African Internet Exchange Task Force (AFIX-TF) held a two-days EN-ISPA workshop and a two-day technical training workshop in Brazzaville CONGO, at Meridien Hotel from Tuesday 1st august to Wednesday 2nd august 2006. Trainers: Mark Elkins (from South Africa), Coko Mirindi (from Congo) & Didier Kasole (from DRC). This report is written by Didier Kasole, Workshop Team Leader.

II. Planned Outcome and Benefit

Participants at the Workshop will be able to establish an ISPA, establish and maintain an Internet Exchange Point. The implicit benefit of the workshop will be to establish technical cooperation between ISPs.

III. Workshop Structure

Day 1

Session 0: Opening Session (EnISPA & AFIX) 10:30-11:30

Introduced by Patrice Noumazalay, Mr Marc Vincent de Paul KALLYTH the National Director of ICT ministry of New Technologies did the official opening of the workshop. The Minister of Telecommunication and New Technologies join later. Pannel for the opening :

- Mr Lucien Bongo (Regulator)
- Mr Alain Ewengue (Regulator)
- Mr Dieudonne KAtende (Worldbank)
- Mr Ebinda Bertin (Ministry of Telecom & ICT)
- Mr Douniama Annicet (Ministry of Telecom & ICT)

After the opening, we split in two groups.

Session t1: High-level overview 11:30-13:00

During this session, Mark Elkins (Assisted by Coko Mirindi) presented the history and current status of the internet and its architecture, including the role of ISPs and the relationships between them. She introduced (or refresh) key concepts including those of transit and peering, as well as considering various options for peering architectures.

Session t2: Cost-savings exercise 13:00-14:00

During this session, Didier Kasole presented the exercise of how participating on IXP can reduce cost of operation for an ISP and the dynamics for the overall ISP market. Using a

dynamic model, where key variables can be set and a range of scenarios can be explored to interrogate and understand what the broad financial implications are likely to be for a specific ISP.

Session t7: Business Aspects of Internet Exchanges 14:30-15:30

During this session, presented by Didier Kasole, we explored the business models applicable to an Internet Exchange, and associated financial and business implications. We tried to answer the question : “What makes a successful IXP?”

Session t3 & t4: Technical refresh & Peering 15:30-17:00

During this session, presented by Didier Kasole, we refresh some technical concept of routing, static, dynamic including OSPF and BGP

Day 2: AFIX

Session t3: Technical refresher (exercises) 09:30-11:30

During this session, Mark Elkins and Coko Mirindi (translation and hands on) went through exercises for static and dynamic routing. Participants deal with router basic configuration as well as static routing. At the end of session Didier Kasole made an OSPF exercise.

**Session t4: Technical aspects of peering 11:30-17:00
(including lunch break)**

Presented by Mark Elkins, this session focuses more closely on how to set up peering, giving more detail on BGP parameters and configuration. At the end of these sessions, participants setup a virtual IXP.

IV. Participants attendees

	<u>Name</u>	<u>Organization</u>	<u>email</u>
1	Ndala Jean Jacques	Cyberdoc	jjndala@yahoo.fr
2	Nzila Hilarion Ndzaba Boussou Claude	Hasch Services	hasch_sces@yahoo.fr
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5	Kambale Jean Claude	Microcom	jeanclaud@micronet.cd
6	Kabongo Patrick	Microcom	patrick@micronet.cd
7	Kazadi Samy	Microcom	samy@micronet.cd
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13	Longangui Fabrice	Afripa Telecom	
14	Kouamy Serge	Afripa Telecom	skouamy@alinktelecom.net
15	Koudo Fabrice		
16	Didier Kasole	Afrispa	didier@afrispa.org
17	Mark Elkins	Afrispa trainer	mje@pop.co.za
18	Cocko Musaza	Airnet EST	cokot.mirindi@airnetcg.net
19	Silou Davy	developpement	davysilou@yahoo.fr
20	Lessomo Lucien	Airnet	lucien_deiss@hotmail.com
21	Baouzanga Jude	Airnet	juda_fortune@hotmail.com
22	Okombi Rock	Airnet	mockokombi@yahoo.fr
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26	Boutoto Nkombo Hilaire	Cisco Academy	charelboutoto@yahoo.fr
27	Koukanga Fylla Arth	Coptic	delaarth@yahoo.fr
28	Gobela Omar'awoli Destin	Journalist	gobeladestin@yahoo.fr
29	Wagani Audrey	Coptic	konspiral@yahoo.fr

V. Workshop Evaluation

In general, the assessments were favorable, 100% of responding participants were very satisfied by the workshop. 69.23% meet their expectations and 30.77% find their expectation exceeded.

	Nine participants completed the evaluation forms	
On the Question: How useful did you find the workshop?	Very useful	18 (100%)
	Somewhat useful	
	Not useful	
On the Question: How did it match your expectations? (Were the aims communicated in advance?)	Exceeded	1 (6.67%)
	As expected	10 (66.67%)
	Below	4 (26.67%)

Trainers evaluations

Trainer's name: Didier KAsole

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	4.11
Presentation content	4.00
Handouts	4.00
Overall	3.94

Comment: More time for exercises, good presentation, too short

Trainer's name: Mark Elkins

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	4.03
Presentation content	4.06
Handouts	3.88
Overall	4.06

Comment: Language problem, he speak English. Translation was not so good.

Trainer's name: Coko Mirindi

Please rate the following on a scale of 1 to 5:

	5 = Excellent, 4 = Good, 3 = Average, 2 = Poor, 1 = Very poor
Presentation skills	3.97

Presentation content	3.79
Handouts	3.84
Overall	4.03

Comment: - translation was not needed, it make us lose time

- good in translation and communication
- very explicit in his comment, good in workshop in central Africa where French is official language

Overall Workshop Evaluation

How did you find the length of the workshop?	Too short	71%
	About right	24%
	Too long	6%
How did you find the pace of the workshop?	Too slow	0%
	About right	65%
	Too fast	35%
How satisfied were you with the organisation of the workshop?	Not satisfied	0%
	Somewhat satisfied	56%
	Very satisfied	44%
<p>Any other comments?</p> <ul style="list-style-type: none"> • Would like to receive invitation and description of workshop in time, it will allow us to prepare our self. I am very satisfied thank you • Could be better to have one week workshop instead of 2 days, participants will have enough time to assimilate • Very satisfy even if part of workshop is in English. Good initiatives, do more workshops • Closing too late, it was planned at 17h00 but happen after 18h00 • Need more time for workshops, 2 days are too short. Specially for participants without router experiences. 		

VI. Conclusion & follow up

Only 44% of participants are very satisfy and 56% somehow satisfy. The length of the workshop can be seen as a problem as for this workshop only 24% find it right and 71% find it too short. The raison is because the workshop started too late, for future we need to make sure that we start on time. ISPs agree to setup an exchange point after the workshop.