

AfNOG 2012 Serrekunda, The Gambia 7th to 11th May, 2012



House Rules

Have fun!

- Ask questions
- No Skype, IM, Facebook, Twitter or other social media

Mobile phones OFF or on SILENT

- And if you must take calls, please do so OUTSIDE the room
- Please be back on time after breaks

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AR-E

Meeting your Instructors:

- Mark Tinka (Track Leader in absentia)
- Philip Smith
- John Gitau

Meeting the Participants



Agenda – Monday

09:00 Introductions, Objectives 09:30 Presentations "Internet Introduction", "Routing Basics", "Introduction to OSPF", "OSPF for ISPs" 12:00 Lab 1 – Basic OSPF 13:00 Break for Lunch 14:00 Presentation "Introduction to BGP" 15:00 Lab 2 – Basic iBGP 17:00 Presentation "Introduction to IPv6" 18:30 Dinner 20:00 Evening Session - TACACS (breaks for tea/coffee at 10:30 and 16:00)



Agenda – Tuesday

09:00 Presentations "IPv6 Standards and Protocols", "IPv6 Addressing & Routing" "OSPEv3 & BGP for IPv6" 13:00 Break for lunch 14:00 Lab 3 & 4 – OSPFv3 and iBGP 15:00 Presentations "Introduction to ISIS", "ISIS for ISPs" "OSPF to ISIS Migration" 17:30 Lab 5 – OSPF to ISIS migration 18:30 Dinner 20:00 Evening Session "Comparing OSPF and ISIS"



Agenda – Wednesday

09:00 Presentation "BGP Attributes", "BGP Policy Control" "BGP Scaling Techniques" 13:00 Break for lunch 14:00 Lab 6 & 7 – Route Reflector IPv4 and IPv6 labs 15:00 Lab 8 – iBGP and eBGP (IPv4) 16:30 Presentation "BGP Best Practices" 18:30 Dinner 20:00 Evening Session "4-byte ASNs"



Agenda – Thursday

09:00 Presentation

"ISP Network Design"

- 11:00 Lab 9 iBGP and eBGP (IPv6)
- 13:00 Break for lunch
- 14:00 Lab 10 Route Filtering

16:30 Presentations

"BGP Multihoming – Part 1", "The Value of Peering"

18:30 Dinner

20:00 Free Evening



Agenda – Friday

09:00 Presentation
"BGP Multihoming – Part 2"
11:00 Lab 11 – Multihoming Strategies
13:00 Break for lunch
14:00 Lab 11 (continued)
16:30 Presentation
"IPv6 Deployment Case Study"
18:00 Extra Topics:
Configuring Dynamips,...
18:30 End of Workshop
18:45 Workshop Dinner & Certificate Ceremony