IPv4 & IPv6 Routing Workshop

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APNIC 46 Nouméa, New Caledonia 6th – 10th September 2018

Workshop Materials

- Master materials archive:
 - http://bgp4all.com/dokuwiki/workshops
 - This archive is kept up to date

This workshop archive:

http://bgp4all.com/dokuwiki/training/apnic46/

This workshop:

- http://ws.apnic46/
- Please keep this URL open, and download workshop materials as the workshop progresses

Housekeeping

- This is a 5 day workshop
 - Completion certificates will be given to those who attend all 5 days
 - Have fun!
- Please Ask Questions
- Please no Skype, Facebook, Twitter, WhatsApp, WeChat, LINE, SnapChat, etc.
- Mobile phones OFF or on SILENT
 - If you must take calls, please do so OUTSIDE the room

Housekeeping

D Wireless

SSID:	APNIC46-ROUTING	
Password:	888888888	(ten 8s)

Agenda – Thursday

- 09:00 Introductions & Workshop Objectives
- 09:30 Presentation "Routing Basics"
- 11:00 Labs Setup
- 11:30 Presentation "Introduction to IPv6"
- 12:30 Lunch @ O'Pecheur Restaurant
- 14:00 Presentation "IPv6 Protocol & Standards"
- 16:00 Labs IPv6 Setup
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Room 501-6)

Agenda – Friday

- 09:00 Presentation "IPv6 Addressing" 11:00Labs – IPv6 Addressing Exercise 12:00 Presentation "Introduction to IS-IS" 12:30 Lunch @ L'Annexe Restaurant Labs – IS-IS 14:0014:30 Presentations "IPv6 Routing Protocols", "IS-IS for IPv6" Labs – IPv6 IS-IS 16:00 16:30 Presentation "Introduction to BGP"
- 17:00 Labs iBGP
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Room 501-6)

Agenda – Saturday

09:00 Presentation

"BGP for IPv6"

- 09:30 Labs iBGP IPv6
- 11:00 Presentation "BGP Scaling Techniques"
- 11:45 Labs Route Reflector
- 12:30 Lunch @ Impala
- 14:00 Labs IS-IS, iBGP & eBGP
- 14:30 Presentation "BGP Attributes"
- 16:00 Labs Dual stack iBGP & eBGP
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Room 501-6)

Agenda – Sunday

- 09:00 Presentation & Labs "Stateless Address Autoconfiguration"
- 11:00 Presentation & Labs "DHCPv6"
- 12:30 Lunch @ Petit Georges
- 14:00 Presentation & Labs "IPv6 Transition Technologies"
- 16:00 Labs NAT64/DNS64/464XLAT
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Room 501-6)

Agenda – Monday

- 09:00 Presentation & Labs "BIND9 and Apache for IPv6"
- 11:00 Presentation "IPv6 Deployment"
- 12:30 Lunch @ O'Pecheur Restaurant
- 14:00 Presentation "IPv6 on Mobile Networks"
- 16:00 Presentations "ISIS vs OSPF", "OSPF to IS-IS migration"
- 17:00 Extra Topics: Configuring Dynamips, Q&A,...
- 17:30 End of Workshop
- 18:00 Workshop Closing Dinner Buses depart from Training Venue at 18:00 Venue: Cercle Nautique Caledonien (CNC), 2 Rue du Capitaine Desmier, Nouméa

(breaks for tea/coffee at 10:30 and 15:30 in Room 501-6)