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

- Wireless
  - SSID: APNIC46-ROUTING
  - Password: 8888888888 (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 @ Au 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"	
11:00	Labs – IPv6 Addressing Exercise	
12:00	Presentation	
	"Introduction to IS-IS"	
12:30	Lunch @ L'Annexe Restaurant	
14:00	Labs – IS-IS	
14:30	Presentations	
	"IPv6 Routing Protocols", "IS-IS for IPv6"	
16:00	Labs – IPv6 IS-IS	
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 @ Au 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)