

IPv4/IPv6 Routing Workshop



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APNIC 44

Taichung, Taiwan

7th – 11th September 2017

Workshop Materials

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

- This workshop:
 - <http://ws.apnic44/>
 - 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: APNIC44-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 Break for Lunch

14:00 Presentation

“IPv6 Protocol & Standards”

16:00 Labs – IPv6 Setup

17:30 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Friday

09:00 Presentation

“IPv6 Addressing”

10:00 Labs – IPv6 Addressing Exercise

11:00 Presentation

“Introduction to IS-IS”

12:00 Labs – IS-IS

12:30 Break for lunch

14:00 Presentations

“IPv6 Routing Protocols”, “IS-IS for IPv6”

15:00 Labs – IPv6 IS-IS

16:00 Presentation

“Introduction to BGP”

17:00 Labs – iBGP

17:30 Close

(breaks for tea/coffee at 11:00 and 15:30)

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 Break for lunch

14:00 Presentation

“IPv6 Transition Planning”

16:00 Labs – IPv6 Transition Mechanisms

17:30 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Sunday

09:00 Presentation

“IPv6 Deployment Planning”

11:00 Labs – iBGP & eBGP

12:30 Break for lunch

14:00 Presentations

“BGP Attributes”, “BGP Policy Control”

16:00 Labs – IPv6 iBGP & eBGP

17:30 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Monday

09:00 Presentations

“IPv6 Security”, “IPv6 in Mobile Networks”

12:30 Break for lunch

14:00 Labs – IPv6 BGP Route Filtering

16:00 Presentations

“ISIS vs OSPF”, “OSPF to IS-IS migration”

17:00 Extra Topics:

Configuring Dynamips, Q&A,...

17:30 End of Workshop

19:00 Closing Dinner

The Big Juicy Goose (10 minutes by bus)

(breaks for tea/coffee at 10:30 and 15:30)