

IPv6 Deployment Workshop



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SANOG 32

Dhaka

2nd – 6th August 2018

Workshop Materials

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

- This workshop:
 - <http://ws.sanog32/>
 - 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: IPv6

- Password: 888888888888 (ten 8s)

Agenda – Thursday

09:30 Introductions & Workshop Objectives

10:00 Presentations

“Where are we now: IPv6 Deployment update”, “Global IPv6 End User Readiness”, “Internet Fundamentals”, “IPv6 Introduction”

13:00 Break for Lunch

14:00 Presentation

“IPv6 Protocol & Standards”

16:30 Labs – IPv6 Setup

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

Agenda – Friday

09:00 Presentation

“IPv6 Addressing”

11:30 Labs – IPv6 Addressing Exercise

13:00 Break for lunch

14:30 Presentations

“IPv6 Routing Protocols”

15:30 Labs – Setting up IS-IS

16:30 Presentation

“Internet Introduction”

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

Agenda – Saturday

09:00 Presentations

“IPv6 Security Introduction”, “Hardening IPv6 Network Devices”

13:00 Break for lunch

14:00 Labs – Setting up BGP

16:30 Presentation

“IPv6 Transition Technologies”

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

Agenda – Sunday

09:00 Presentations

“IPv6 on Mobile Networks: Telstra”, “IPv6 Deployment Planning”

11:30 Labs – End User Deployment: Statics

12:30 Labs – End User Deployment: 6rd

13:00 Break for lunch

14:00 Labs – End User Deployment: DHCPv6-PD

15:00 Labs – End User Deployment: NAT64/DNS64

16:30 Presentation

“Securing the Transition Mechanisms”

18:00 Close

(breaks for tea/coffee at 11:00 and 16:00)

Agenda – Monday

- 09:00 Presentation
 - “IPv6 Routing Security”
- 10:00 Labs – Securing the Router
- 11:30 Labs – Securing IS-IS
- 12:00 Labs – Securing BGP
- 13:00 Break for lunch
- 14:00 Presentations
 - “IPv6 Security Monitoring”
- 16:30 Labs – IPv6 Security Monitoring
- 17:30 Extra Topics:
 - Configuring Dynamips, Q&A,...
- 18:00 End of Workshop

(breaks for tea/coffee at 11:00 and 16:00)