IPv6 Deployment Workshop

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SANOG 32

Dhaka

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Workshop Materials

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

- This workshop:
  - http://ws.sanog/
  - 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: 8888888888 (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)