

IPv6 Workshop



Philip Smith, Muhammad Yasir
Shamim

SANOG 35

Karachi, Pakistan

22nd – 25th January 2020

Workshop Materials

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

- This workshop archive:
 - <http://bgp4all.com/pfs/training/sanog35/>

- This workshop:
 - <http://www.ws.sanog/>
 - Please keep this URL open, and download workshop materials as the workshop progresses

Housekeeping

- This is a 4 day workshop
 - Completion certificates will be given to those who attend all 4 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: SANOG35-IPv6
- Password: 6666666666 (ten 6s)

Agenda – Wednesday

- 09:30 Introductions & Workshop Objectives
- 10:00 Presentation
"Internet Fundamentals", "IPv6 Deployment Update", "Introduction to IPv6"
- 13:00 Lunch
- 14:00 Presentation
"IPv6 Protocol & Standards"
- 16:00 Labs – IPv6 Setup
- 18:00 Close

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

Agenda – Thursday

- 09:30 Presentation
"IPv6 Addressing"
- 11:30 Labs – IPv6 Addressing Exercise
- 13:00 Lunch
- 14:00 Presentation
"IPv6 Routing Protocols"
- 16:00 Labs – Setting up IPv4 & IPv6 Routing – IS-IS
- 18:00 Close

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

Agenda – Friday

- 09:30 Presentations
"IPv6 Transition Technologies", "IPv6 Deployment Planning"
- 13:00 Lunch
- 14:00 Labs – Setting up IPv4 & IPv6 Routing – BGP
- 16:00 Presentation
"IPv6 Client Addressing"
- 18:00 Close

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

Agenda – Saturday

- 09:30 Labs – IPv6 End-user Deployment: Static
- 10:30 Labs – IPv6 End-user Deployment: DHCPv6-PD
- 11:30 Labs – IPv6 End-user Deployment: 6rd
- 11:30 Labs – NAT64/DNS64
- 12:30 Lunch
- 14:00 Labs – IPv6 DNS
- 14:30 Labs – IPv6 Web
- 15:00 Labs – IPv6 Mail
- 16:00 Presentation
“IPv6 Security”
- 18:00 Close

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