

Introduction to Routing Workshop



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SANOG 34

Kolkata, India

3rd – 7th August 2019

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/sanog34/>

- This workshop:
 - <http://www.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: SANOG34-ROUTING
- Password: 4646464646 (five 4s and five 6s)

Agenda – Saturday

- 09:00 Introductions & Workshop Objectives
- 09:30 Presentation
"Routing Basics"
- 10:30 Labs – Setup
- 11:30 Presentation
"Introduction to IPv6"
- 13:00 Lunch
- 14:00 Presentation
"IPv6 Protocol & Standards"
- 16:00 Labs – IPv6 Setup
- 17:30 Close

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

Agenda – Sunday

- 09:00 Presentation
"IPv6 Addressing"
- 10:30 Labs – IPv6 Addressing Exercise
- 12:00 Presentation
"Introduction to IS-IS"
- 13:00 Lunch
- 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"
- 17:30 Close

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

Agenda – Monday

- 09:00 Labs – iBGP
- 10:00 Presentation
“BGP for IPv6”
- 11:30 Labs – iBGP IPv6
- 12:00 Presentation
“BGP Scaling Techniques”
- 13:00 Lunch
- 14:00 Labs – Route Reflector
- 16:00 Presentation
“IPv6 Transition Planning”
- 17:30 Close

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

Agenda – Tuesday

- 09:00 Presentation
"BGP Attributes"
- 10:30 Labs – IS-IS, iBGP & eBGP
- 13:00 Lunch
- 14:00 Labs – Dual stack iBGP & eBGP
- 16:00 Presentation
"BGP Best Practices"
- 17:30 Close

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

Agenda – Wednesday

- 09:00 Presentation
"BGP Policy Control"
- 10:30 Labs – Routing Filtering
- 13:00 Lunch
- 14:00 Labs – Routing 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

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