

Advanced BGP Workshop & RPKI Deployathon



Philip Smith, Simon Sohel Baroi,
Aftab Siddiqui

APNIC 48

Chiang Mai, Thailand

5th – 9th September 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/apnic48/>

- This workshop:
 - <http://ws.apnic48/>
 - 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: APNIC48-BGP
- Password: 4444444444 (ten 4s)

Agenda – Thursday

- 09:00 Introductions & Workshop Objectives
- 09:30 Presentation
"Routing Basics Recap"
- 11:00 Labs – Setup
- 12:00 Presentation
"IS-IS Recap"
- 12:30 Lunch @ Latest Recipe Restaurant (Level 1)
- 14:00 Labs – IS-IS Setup
- 15:00 Presentation
"BGP Recap"
- 16:00 Labs – BGP Setup
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Level 3 Foyer)

Agenda – Friday

- 09:00 Presentation
 "BGP Scaling Techniques"
- 11:00 Labs – Route Reflector
- 11:30 Presentation
 "BGP Attributes"
- 12:30 Lunch @ Latest Recipe Restaurant (Level 1)
- 14:00 Labs – iBGP & eBGP
- 16:00 Presentation
 "BGP Policy Control"
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Level 3 Foyer)

Agenda – Saturday

- 09:00 Labs – BGP Route Filtering
- 11:00 Presentation
“BGP Multihoming” (Part 1)
- 12:30 Lunch @ Latest Recipe Restaurant (Level 1)
- 14:00 Labs – BGP Route Filtering (cont)
- 16:00 Presentation
“BGP Multihoming” (Part 2)
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Level 3 Foyer)

Agenda – Sunday

- 09:00 Presentations
"OSPF vs IS-IS" and "OSPF to IS-IS migration"
- 11:00 Presentation
"BGP Communities"
- 12:30 Lunch @ Latest Recipe Restaurant (Level 1)
- 14:00 Labs – BGP Policy
- 16:00 Presentation
"BGP Best Practices"
- 17:30 Close

(breaks for tea/coffee at 10:30 and 15:30 in Level 3 Foyer)

Agenda – Monday

- 09:00 Presentation
"Why Routing Security"
- 11:00 Lab – Creating ROAs
- 12:30 Lunch @ Latest Recipe Restaurant (Level 1)
- 14:00 Lab – Deploying Validators
- 16:00 Lab – Filtering with ROAs
- 17:00 Group Discussion: Findings
- 17:30 End of Workshop
- 18:00 Workshop Closing Dinner & Certificates
"Fueng Fah Restaurant" – Mövenpick Hotel

(breaks for tea/coffee at 10:30 and 15:30 in Level 3 Foyer)