

BGP/IXP Workshop



Philip Smith, Kurtis Lindqvist

Ulaanbaatar, Mongolia

28th – 31st July 2014

Workshop Materials

- Master archive:
 - <http://bgp4all.com/ftp/isp-workshops>

- This workshop:
 - <https://nsrc.org/workshops/2014/mongolia-ixp/wiki/Track1Agenda>

 - Please keep this URL open, and download workshop materials as the workshop progresses

Housekeeping

- This is a four day workshop
 - Completion certificates will be given to those who attend all four days
 - Small exam at the end
 - Have fun!
- Please Ask Questions
- No Skype, IM, Facebook, Twitter, etc.
- Mobile phones OFF or on SILENT
 - If you must take calls, please do so OUTSIDE the room

Agenda – Monday

09:00 Introductions, Objectives

09:15 Presentations

“Routing Basics”, “Introduction to ISIS”, “ISIS for ISPs”

11:00 Lab Module 11 – Basic ISIS

13:00 Break for Lunch

14:00 Presentation

“Introduction to BGP”

16:00 Lab Module 11 – Basic iBGP

17:00 Presentation

“BGP Scaling Techniques”

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Tuesday

09:00 Presentations

“IPv6 Standards and Protocols”

“IPv6 Addressing”, “IPv6 Routing Protocols”

12:00 IPv6 Lab Module 11 – ISIS and iBGP

13:00 Break for lunch

14:00 IPv6 Lab Module 11 (continued)

16:00 Presentation

“BGP Best Practices”, “BGP Attributes”

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Wednesday

09:00 Presentations

“BGP Policy Control”, “Multihoming – Part 1”

12:00 Lab Module 13 – Multihoming to Different ISPs

13:00 Break for lunch

14:00 Lab Module 13 (cont)

16:00 Presentation

“Network Monitoring”

18:00 Close

(breaks for tea/coffee at 10:30 and 15:30)

Agenda – Thursday

09:00 Presentations

“The Value of Peering”, “IXP Design”

12:00 Lab Module 16 – IXP

13:00 Break for lunch

14:00 Lab Module 16 (cont)

15:00 Presentations

“ISP Design”, “IPv6 Transition Planning”

17:45 Extra Topics:

Configuring Dynamips,...

18:00 End of Workshop

(breaks for tea/coffee at 10:30 and 15:30)