


# Advanced BGP and Routing Security

## Time Schedule

| | |
|---|---|
| Session 1 | 09:00 - 10:30 |
| Break | 10:30 - 11:00 |
| Session 2 | 11:00 - 12:30 |
| Lunch | 12:30 - 14:00 |
| Session 3 | 14:00 - 15:30 |
| Break | 15:30 - 16:00 |
| Session 4 | 16:00 - 17:30 |

## Instructors

| FL | Name | Organisation | Country |
|---|---|---|---|
| SB | Simon Sohel Baroi | APNIC - APNIC Community Trainer | Bangladesh |
| TP | Tashi Phuntsho | APNIC | Australia |
| AS | Aftab Siddiqui | ISOC - Internet Society | Australia |
| PS | Philip Smith | APNIC | Australia |

## Workshop Sessions

| Session | Topic | Inst | Presentations | Exercises | Address Plans |
|---|---|---|---|---|---|
| **Thursday** | | | | | |
| Session 1 | Introductions | PS | PDF | | |
| | Routing Basics | ZZ | PDF | | |
| Session 2 | Lab Setup | All | | PDF | Address Plan PDF |
| | IS-IS Recap | ZZ | PDF | | |
| Session 3 | IS-IS Lab | All | | PDF | |
| Session 4 | BGP Recap | ZZ | PDF | | |
| | iBGP Lab | All | | PDF | |
| **Friday** | | | | | |
| Session 1 | Recap of Thursday | PS | | | |
| | BGP Scaling Techniques | ZZ | PDF | | |
| Session 2 | Route Reflector Lab (IPv4) | All | | PDF | |
| | BGP Attributes | ZZ | PDF | | |
| Session 3 | iBGP and eBGP Lab | All | | PDF | Address Plan PDF |

| Session | Topic | Inst | Presentations | Exercises | Address Plans |
|---|---|---|---|---|---|
| Session 4 | BGP Policy Control | ZZ | PDF | | |
| **Saturday** | | | | | |
| Session 1 | Recap of Friday | PS | | | |
| | BGP Route Filtering Lab | All | | PDF | |
| Session 2 | BGP Multihoming (Part 1) | ZZ | PDF | | |
| Session 3 | BGP Route Filtering Lab (cont) | All | | | |
| Session 4 | BGP Multihoming (Part 2) | ZZ | PDF | | |
| **Sunday** | | | | | |
| Session 1 | Recap of Saturday | PS | | | |
| | OSPF vs IS-IS | ZZ | PDF | | |
| | OSPF to IS-IS migration | ZZ | PDF | | |
| Session 2 | BGP Communities | ZZ | PDF | | |
| Session 3 | BGP Policy Lab | All | | PDF | |
| Session 4 | BGP Best Practices | ZZ | PDF | | |
| **Monday** | | | | | |
| Session 1 | Recap of Sunday | PS | | | |
| | Why Routing Security? | ZZ | | | |
| Session 2 | Creating ROAs | ZZ | | | |
| Session 3 | Deploying Validators | ZZ | | | |
| Session 4 | Filtering with ROAs | ZZ | | | |
| | Findings: Group Discussion | ZZ | | | |
| | Q&A and Closing | All | | | |

## Resources

- Putty
- Telnet for macOS (10.13 onwards)
- Dynamips NET file

Back to Home page

From:
https://bgp4all.com/pfs/ - **Philip Smith's Internet Development Site**

Permanent link:
**https://bgp4all.com/pfs/training/apnic48/agenda?rev=1566367336**

Last update: **2019/08/21 06:02**