



# Advanced BGP and Route Origin Validation

## 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 | <a href="#">APNIC</a> - APNIC Community Trainer | Bangladesh |
| AS | Aftab Siddiqui    | <a href="#">ISOC</a> - Internet Society         | Australia  |
| PS | Philip Smith      | <a href="#">APNIC</a>                           | Australia  |

## Workshop Sessions

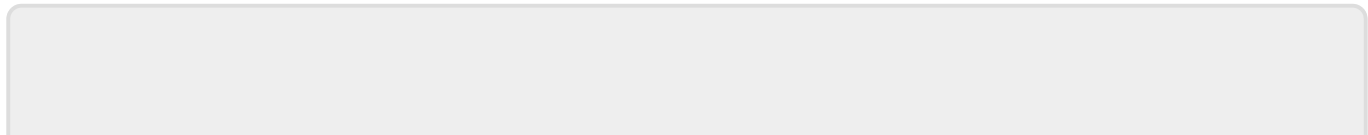
| Session         | Topic                      | Inst | Presentations       | Exercises           | Address Plans                    |
|-----------------|----------------------------|------|---------------------|---------------------|----------------------------------|
| <b>Thursday</b> |                            |      |                     |                     |                                  |
| Session 1       | Introductions              | PS   | <a href="#">PDF</a> |                     |                                  |
|                 | Routing Basics             | SB   | <a href="#">PDF</a> |                     |                                  |
| Session 2       | Lab Setup                  | All  |                     | <a href="#">PDF</a> | <a href="#">Address Plan PDF</a> |
|                 | IS-IS Recap                | PS   | <a href="#">PDF</a> |                     |                                  |
| Session 3       | IS-IS Lab                  | All  |                     | <a href="#">PDF</a> |                                  |
| Session 4       | BGP Recap                  | SB   | <a href="#">PDF</a> |                     |                                  |
|                 | iBGP Lab                   | All  |                     | <a href="#">PDF</a> |                                  |
| <b>Friday</b>   |                            |      |                     |                     |                                  |
| Session 1       | Recap of Thursday          | PS   |                     |                     |                                  |
|                 | BGP Scaling Techniques     | PS   | <a href="#">PDF</a> |                     |                                  |
| Session 2       | Route Reflector Lab (IPv4) | All  |                     | <a href="#">PDF</a> |                                  |
|                 | BGP Attributes             | SB   | <a href="#">PDF</a> |                     |                                  |

| Session         | Topic                          | Inst | Presentations       | Exercises                                       | Address Plans                    |
|-----------------|--------------------------------|------|---------------------|---|----------------------------------|
| Session 3       | iBGP and eBGP Lab              | All  |                     | <a href="#">PDF</a>                             | <a href="#">Address Plan PDF</a> |
| Session 4       | BGP Policy Control             | SB   | <a href="#">PDF</a> |   |                                  |
| <b>Saturday</b> |                                |      |                     |   |                                  |
| Session 1       | Recap of Friday                | PS   |                     |   |                                  |
|                 | BGP Route Filtering Lab        | All  |                     | <a href="#">PDF</a>                             |                                  |
| Session 2       | BGP Multihoming (Part 1)       | PS   | <a href="#">PDF</a> |   |                                  |
| Session 3       | BGP Route Filtering Lab (cont) | All  |                     |   |                                  |
| Session 4       | BGP Multihoming (Part 2)       | SB   | <a href="#">PDF</a> |   |                                  |
| <b>Sunday</b>   |                                |      |                     |   |                                  |
| Session 1       | Recap of Saturday              | PS   |                     |   |                                  |
|                 | BGP Route Filtering Lab (cont) | All  |                     |   |                                  |
|                 | OSPF vs IS-IS                  | SB   | <a href="#">PDF</a> |   |                                  |
|                 | OSPF to IS-IS migration        | SB   | <a href="#">PDF</a> |   |                                  |
| Session 2       | BGP Best Practices             | AS   | <a href="#">PDF</a> |   |                                  |
| Session 3       | BGP Policy Lab                 | All  |                     | <a href="#">PDF</a>                             |                                  |
| Session 4       | BGP Communities                | PS   | <a href="#">PDF</a> |   |                                  |
| <b>Monday</b>   |                                |      |                     |   |                                  |
| Session 1       | Recap of Sunday                | PS   |                     |   |                                  |
|                 | Introduction to MANRS          | AS   | <a href="#">PDF</a> |   |                                  |
|                 | Why Routing Security?          | PS   | <a href="#">PDF</a> |   |                                  |
| Session 2       | Creating ROAs                  | All  |                     | Lab: MyAPNIC or Local Test Environment          |                                  |
|                 | Deploying Validators           | All  |                     | <a href="#">NLnetLabs Routinator</a>            |                                  |
|                 |                                | All  |                     | <a href="#">RIPE NCC Validator</a>              |                                  |
|                 |                                | All  |                     | <a href="#">OctoRPKI Validator (Cloudflare)</a> |                                  |
| Session 3       | Filtering with ROAs            | All  |                     | <a href="#">Lab Topology</a>                    |                                  |
| Session 4       | Findings: Group Discussion     | All  |                     |   |                                  |
|                 | Q&A and Closing                | All  |                     |   |                                  |

## Resources

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

[Back to Home page](#)



From:

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

Permanent link:

<https://bgp4all.com.au/pfs/training/apnic48/agenda?rev=1568009793>

Last update: **2019/09/09 06:16**

