# Routing and Internet Security Operations

## 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 |
|---|---|---|---|
| ZZ | Zed Zed | NSRC | Zedland |

## Workshop Sessions

| Session | Topic | Inst | Presentations | Exercises |
|---|---|---|---|---|
| **Day One** | | | | |
| Session 1 | Introduction to RISO | ZZ | PDF | |
| | Lab Setup | All | | Lab Setup |
| | | All | | Lab Access |
| | | All | | Address Plan |
| | Securing the Router | | | Control Plane Security |
| Session 2 | Introduction to IS-IS | | PDF | |
| | IS-IS Setup & Securing | | | IS-IS Lab |
| Session 3 | Introduction to BGP | | PDF | |
| | iBGP Setup & Securing | | | iBGP Lab |
| **Day Two** | | | | |
| Session 1 | BGP Attributes | | PDF | |
| Session 2 | BGP Policy Control | | PDF | |
| Session 3 | eBGP with Transit | All | | eBGP Lab |
| Session 4 | Multihoming Introduction | | PDF | |
| Session 5 | Private Peer | All | | Private Peer Lab |
| Session 6 | Multihoming Advanced | | PDF | |
| **Day Three** | | | | |
| Session 1 | IXP Peering | All | | IXP Peering Lab |

| Session | Topic | Inst | Presentations | Exercises |
|---|---|---|---|---|
| Session 2 | BGP Best Practices | | PDF | |
| Session 3 | Peering Policy | All | | Peering Policy Lab |
| Session 4 | IXP Bi-Lateral | All | | IXP Bilateral Peering Lab |
| Session 5 | Communities | | PDF | |
| | Migrating to Communities | | | Communities Lab |
| **Day Four** | | | | |
| Session 1 | BGP Security Features | | | Securing BGP Lab |
| Session 2 | RTBH Filtering | | PDF | |
| | Local RTBH Lab | | | Local RTBH Lab |
| | Inter-AS RTBH Lab | | | Inter-AS RTBH Lab |
| Session 3 | Unicast Reverse Path Forwarding | | | uRPF Lab |
| **Day Five** | | | | |
| Session 1 | BGP Origin Validation | | PDF | |
| | Installing Validator Cache | | | Validator Lab |
| | Configuring RPKI | | | RPKI Lab |
| | Route Origin Validation Lab | | | ROV Lab |
| Session 2 | Troubleshooting BGP Security Operations | | PDF | |
| | BGP Troubleshooting Lab | | | Troubleshooting Lab |
| Session 3 | OSPF vs IS-IS | | PDF | |
| | OSPF to IS-IS migration | | PDF | |
| | Q&A and Closing | All | | |

## Resources

- Putty
- Telnet for macOS (10.13 onwards)

Back to Home page

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

Permanent link:
**https://bgp4all.com/pfs/training/riso/agenda?rev=1562228366**

Last update: **2019/07/04 08:19**