



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 | | PDF |
| | Introduction to IPv6 | | PDF | |
| Session 3 | IPv6 Standards and Protocols | | PDF | |
| Session 4 | IPv6 Lab Setup | All | | PDF |
| Day Two | | | | |
| Session 1 | IPv6 Addressing | | PDF | |
| | IPv6 Addressing Lab | All | | PDF |
| Session 2 | Introduction to IS-IS | | PDF | |
| | IS-IS Lab | All | | PDF |
| Session 3 | IPv6 Routing Protocols | | PDF | |
| | ISIS for IPv6 | | PDF | |
| Session 4 | IPv6 ISIS Lab | All | | PDF |
| | Introduction to BGP | | PDF | |
| Day Three | | | | |
| Session 1 | iBGP Lab | All | | PDF |
| | BGP for IPv6 | | PDF | |
| Session 2 | IPv6 iBGP Lab | All | | PDF |

| Session | Topic | Inst | Presentations | Exercises |
|-----------------|------------------------------|------|-----------------------------------|---------------------|
| | BGP Scaling Techniques | | PDF | |
| Session 3 | Route Reflector Lab (IPv4) | All | | PDF |
| | Route Reflector Lab (IPv6) | All | | PDF |
| Session 4 | IPv6 Transition Planning | | PDF | |
| Day Four | | | | |
| Session 1 | BGP Attributes | | PDF | |
| Session 2 | iBGP and eBGP Lab | All | | PDF |
| Session 3 | IPv6 iBGP and eBGP Lab | All | | PDF |
| Session 4 | BGP Best Practices | | PDF | |
| Day Five | | | | |
| Session 1 | BGP Policy Control | | PDF | |
| Session 2 | BGP Route Filtering Lab | All | | PDF |
| Session 3 | IPv6 BGP Route Filtering Lab | All | | PDF |
| Session 4 | OSPF vs IS-IS | | PDF | |
| | OSPF to IS-IS migration | | PDF | |
| | Configuring Dynamips | | Dynamips NET file | |
| | Q&A and Closing | All | | |

Resources

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

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