# Introduction to Routing

## Time Schedule

| | |
|---|---|
| Session 1 | 1 hour |
| Break | |
| Session 2 | 1 hour |
| Lunch | |
| Session 3 | 1 hour |
| Break | |
| Session 4 | 1 hour |

## Instructors

| FL | Name | Organisation | Country |
|---|---|---|---|
| PS | Philip Smith | PFS Internet Development Pty Ltd | Australia |

## Workshop Sessions

| Session | Topic | Inst | Presentations | Exercises | Address Plans |
|---|---|---|---|---|---|
| **Day One** | | | | | |
| Session 1 | Introductions | PS | PDF | | |
| | Routing Basics | PS | PDF | | |
| Session 2 | Introduction to OSPF | PS | PDF | | |
| | OSPF for ISPs (overview) | PS | PDF | | |
| Session 3 | Comparing OSPF and IS-IS | PS | PDF | | |
| | Lab Setup | All | | PDF | Address Plan PDF |
| Session 4 | OSPF Lab | All | | PDF | |
| **Day Two** | | | | | |
| Session 1 | Recap of Day One | PS | | | |
| | Introduction to BGP | PS | PDF | | |
| Session 2 | Lab Introduction | PS | | | |
| | iBGP Lab | All | | PDF | |
| Session 3 | BGP Attributes | PS | PDF | | |
| Session 4 | BGP Scaling Techniques | PS | PDF | | |
| | Lab Introduction | PS | | | |
| | Route Reflector Lab (IPv4) | All | | PDF | |
| **Day Three** | | | | | |
| Session 1 | Recap of Day Two | PS | | | |
| | BGP Policy Control | PS | PDF | | |
| Session 2 | BGP Best Practices | PS | PDF | | |
| Session 3 | BGP Best Practices (cont) | PS | | | |
| Session 4 | Lab Introduction | PS | | | |

| Session | Topic | Inst | Presentations | Exercises | Address Plans |
|---|---|---|---|---|---|
| | iBGP and eBGP Lab | All | | PDF | Address Plan PDF |
| **Day Four** | | | | | |
| Session 1 | Recap of Day Three | PS | | | |
| | Multihoming: Introduction | PS | PDF | | |
| Session 2 | Multihoming: Inbound TE | PS | PDF | | |
| Session 3 | Multihoming: Outbound TE | PS | PDF | | |
| Session 4 | BGP Route Filtering Lab | All | | PDF | |
| **Day Five** | | | | | |
| Session 1 | Recap of Day Four | PS | | | |
| | Multihoming: Deployment | PS | PDF | | |
| Session 2 | Multihoming: Deployment (cont) | All | | | |
| Session 3 | Multihoming Strategies Lab | All | | PDF | |
| Session 4 | Multihoming Strategies Lab (cont) | All | | | |
| **Day Six** | | | | | |
| Session 1 | Recap of Day Five | PS | | | |
| | BGP Communities | PS | PDF | | |
| Session 2 | Troubleshooting BGP | PS | PDF | | |
| Session 3 | Troubleshooting BGP (cont) | PS | | | |
| Session 4 | Round Table, Q&A and Closing | All | | | |

## Resources

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