



# Agenda

## Time Schedule

|                  |               |
|------------------|---------------|
| <b>Session 1</b> | 09:00 - 11:00 |
| <b>Break</b>     | 11:00 - 11:30 |
| <b>Session 2</b> | 11:30 - 13:00 |
| <b>Lunch</b>     | 13:00 - 14:00 |
| <b>Session 3</b> | 14:00 - 16:00 |
| <b>Break</b>     | 16:00 - 16:30 |
| <b>Session 4</b> | 16:30 - 18:00 |

## Instructors

| FL | First Name     | Organisation   | Country   |
|----|----------------|----------------|-----------|
| TP | Tashi Phuntsho | APNIC          | Australia |
| PR | Phurpa Rinchen | Bhutan Telecom | Bhutan    |
| PS | Philip Smith   | APNIC          | Australia |

## Workshop Sessions

| Day             | Topic                                      | Inst | Presentations       | Exercises   |
|-----------------|--|------|---------------------|---|
| <b>Thursday</b> |  |      |                     |   |
| 1               | Introduction & Logistics                   | All  | <a href="#">PDF</a> |   |
|                 | Where are we now: IPv6 deployment update   | PS   | <a href="#">PDF</a> |   |
|                 | Global IPv6 End-user Readiness             | PS   | <a href="#">PDF</a> |   |
| 2               | Recap – Internet fundamentals              | TP   | <a href="#">PDF</a> |   |
|                 | Recap – IPv6 Introduction                  | TP   | <a href="#">PDF</a> |   |
| 3               | Recap – IPv6 Protocol                      | PS   | <a href="#">PDF</a> |   |
| 4               | Deploying IPv4 and IPv6 Dual Stack network | All  |                     | <a href="#">Network Setup</a><br><a href="#">Lab Access</a><br><a href="#">Address Plan</a> |
| <b>Friday</b>   |  |      |                     |   |
| 1               | Recap – About IPv6 Addresses               | PS   | <a href="#">PDF</a> |   |
| 2               | Lab: IPv6 Address Planning                 | All  |                     | <a href="#">PDF</a>   |
| 3               | IPv6 Routing                               | TP   | <a href="#">PDF</a> |   |
| 4               | Lab: Setting up IPv4 & IPv6 Routing        | All  |                     | <a href="#">Setting up IS-IS</a>  |
| <b>Saturday</b> |  |      |                     |   |
| 1               | Internet Security Introduction             | TP   | <a href="#">PDF</a> |   |
| 2               | IPv6 Security Introduction                 | PS   | <a href="#">PDF</a> |   |
| 3               | Lab: Setting up IPv4 & IPv6 Routing        | All  |                     | <a href="#">Setting up BGP</a>  |
| 4               | Lab continued                              | All  |                     |   |
| <b>Sunday</b>   |  |      |                     |   |
| 1               | IPv6 Transition Technologies               | TP   | <a href="#">PDF</a> |   |

| Day           | Topic                                       | Inst | Presentations       | Exercises                           |
|---------------|---|------|---------------------|-------------------------------------|
| 2             | IPv6 Deployment Planning                    | TP   | <a href="#">PDF</a> |                                     |
| 3             | Lab: IPv6 End User Deployment: Static       | All  |                     | <a href="#">Static</a>              |
|               | Lab: IPv6 End User Deployment: DHCPv6-PD    | All  |                     | <a href="#">DHCPv6-PD</a>           |
| 4             | Lab: IPv6 End User Deployment: 6rd          | All  |                     | <a href="#">6rd</a>                 |
|               | IPv6 on Mobile Networks: Telstra Experience | PS   | <a href="#">PDF</a> |                                     |
| <b>Monday</b> |   |      |                     |                                     |
| 1             | Securing the transition mechanisms          | PS   | <a href="#">PDF</a> |                                     |
|               | Hardening IPv6 network devices              | TP   | <a href="#">PDF</a> |                                     |
| 2             | Securing the Router                         | All  |                     | <a href="#">Securing the Router</a> |
|               | IPv6 Routing Security: Theory               | PS   | <a href="#">PDF</a> |                                     |
| 3             | IPv6 Routing Security: Securing IS-IS       | All  |                     | <a href="#">Securing IS-IS</a>      |
|               | IPv6 Routing Security: Securing BGP         | All  |                     | <a href="#">Securing BGP</a>        |
|               | IPv6 Security Monitoring                    | PS   | <a href="#">PDF</a> |                                     |
| 4             | IPv6 Security Monitoring: Hands On          | All  |                     | <a href="#">Netflow</a>             |
|               | Summary & Closing                           | All  |                     |                                     |

## Resources

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

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