



# 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  |
| WF | Warren Finch   | APNIC        | Australia  |
| SB | Simon Baroi    | Fiber@Home   | Bangladesh |

## Workshop Sessions

| Day            | Topic                                      | Inst | Presentations       | Exercises                     |
|----------------|--|------|---------------------|-------------------------------|
| <b>Monday</b>  |  |      |                     |                               |
| 1              | Introduction & Logistics                   | All  | <a href="#">PDF</a> |                               |
|                | Internet fundamentals                      | TP   | <a href="#">PDF</a> |                               |
| 2              | Where are we now: IPv6 deployment update   | TP   | <a href="#">PDF</a> |                               |
|                | IPv6 Introduction                          | TP   | <a href="#">PDF</a> |                               |
| 3              | IPv6 Protocol                              | TP   | <a href="#">PDF</a> |                               |
| 4              | Deploying IPv4 and IPv6 Dual Stack network | All  |                     | <a href="#">Network Setup</a> |
|                |  |      |                     | <a href="#">Lab Access</a>    |
|                |  |      |                     | <a href="#">Address Plan</a>  |
| <b>Tuesday</b> |  |      |                     |                               |
| 1              | About IPv6 Addresses                       | TP   | <a href="#">PDF</a> |                               |
| 2              | Lab: IPv6 Address Planning                 | All  |                     | <a href="#">PDF</a>           |
| 3              | IPv6 Routing                               | TP   | <a href="#">PDF</a> |                               |

| Day              | Topic                                       | Inst | Presentations | Exercises           |
|------------------|---|------|---------------|---------------------|
| 4                | Lab: Setting up IPv4 & IPv6 Routing         | All  |               | Setting up IS-IS    |
|                  | Internet Security Introduction              | TP   | PDF           |                     |
| <b>Wednesday</b> |   |      |               |                     |
| 1                | IPv6 Security Introduction                  | TP   | PDF           |                     |
| 2                | Lab: Setting up IPv4 & IPv6 Routing         | All  |               | Setting up BGP      |
| 3                | Lab (continued)                             | All  |               |                     |
| 4                | IPv6 Transition Technologies                | TP   | PDF           |                     |
| <b>Thursday</b>  |   |      |               |                     |
| 1                | IPv6 Deployment Planning                    | TP   | PDF           |                     |
| 2                | Lab: IPv6 End User Deployment: Static       | All  |               | Static              |
| 3                | Lab: IPv6 End User Deployment: DHCPv6-PD    | TP   | PDF           | DHCPv6-PD           |
| 4                | Lab: IPv6 End User Deployment: 6rd          | All  |               | 6rd                 |
|                  | IPv6 on Mobile Networks: Telstra Experience | TP   | PDF           |                     |
|                  | NAT64 Demonstration                         | TP   |               |                     |
| <b>Friday</b>    |   |      |               |                     |
| 1                | Securing the transition mechanisms          | TP   | PDF           |                     |
| 2                | Hardening IPv6 network devices              | TP   | PDF           |                     |
|                  | Securing the Router                         | All  |               | Securing the Router |
| 3                | IPv6 Routing Security: Theory               | TP   | PDF           |                     |
|                  | IPv6 Routing Security: Securing IS-IS       | All  |               | Securing IS-IS      |
|                  | IPv6 Routing Security: Securing BGP         | All  |               | Securing BGP        |
|                  | IPv6 Security Monitoring                    | TP   | PDF           |                     |
| 4                | IPv6 Security Monitoring: Hands On          | All  |               | Netflow             |
|                  | Summary & Closing                           | All  |               |                     |

## Resources

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

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