



# Agenda

## Time Schedule

|                  |               |
|------------------|---------------|
| <b>Session 1</b> | 09:30 - 11:00 |
| <b>Break</b>     | 11:30 - 11:30 |
| <b>Session 2</b> | 11:30 - 13:00 |
| <b>Lunch</b>     | 13:00 - 14:00 |
| <b>Session 3</b> | 14:00 - 15:30 |
| <b>Break</b>     | 15:30 - 16:00 |
| <b>Session 4</b> | 16:00 - 18:00 |

## Instructors

| FL | First Name            | Organisation            | Country   |
|----|-----------------------|-------------------------|-----------|
| PS | Philip Smith          | APNIC                   | Australia |
| YS | Muhammad Yasir Shamim | APNIC Community Trainer | Pakistan  |

## Workshop Sessions

| Day       | Topic                                      | Inst | Presentations       | Exercises                        |
|-----------|--------------------------------------------|------|---------------------|----------------------------------|
| Wednesday |                                            |      |                     |                                  |
| 1         | Introduction & Logistics                   | All  | <a href="#">PDF</a> |                                  |
|           | Internet fundamentals                      | PS   | <a href="#">PDF</a> |                                  |
| 2         | Where are we now: IPv6 deployment update   | PS   | <a href="#">PDF</a> |                                  |
|           | IPv6 Introduction                          | PS   | <a href="#">PDF</a> |                                  |
| 3         | IPv6 Protocol                              | YS   | <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>     |
| Thursday  |                                            |      |                     |                                  |
| 1         | About IPv6 Addresses                       | YS   | <a href="#">PDF</a> |                                  |
| 2         | Lab: IPv6 Address Planning                 | All  |                     | <a href="#">PDF</a>              |
| 3         | IPv6 Routing                               | PS   | <a href="#">PDF</a> |                                  |
| 4         | Lab: Setting up IPv4 & IPv6 Routing        | All  |                     | <a href="#">Setting up IS-IS</a> |
| Friday    |                                            |      |                     |                                  |
| 1         | Lab: Setting up IPv4 & IPv6 Routing        | All  |                     | <a href="#">Setting up BGP</a>   |
| 2         | IPv6 Transition Technologies               | PS   | <a href="#">PDF</a> |                                  |
| 3         | IPv6 Deployment Planning                   | PS   | <a href="#">PDF</a> |                                  |
| 4         | IPv6 Client Addressing                     | YS   | <a href="#">PDF</a> |                                  |
| Saturday  |                                            |      |                     |                                  |

| Day | Topic                                    | Inst | Presentations       | Exercises                 |
|-----|------------------------------------------|------|---------------------|---------------------------|
| 1   | Lab: IPv6 End User Deployment: Static    | All  |                     | <a href="#">Static</a>    |
|     | Lab: IPv6 End User Deployment: DHCPv6-PD | PS   | <a href="#">PDF</a> | <a href="#">DHCPv6-PD</a> |
| 2   | Lab: IPv6 End User Deployment: 6rd       | All  |                     | <a href="#">6rd</a>       |
|     | Lab: NAT64/DNS64                         | All  |                     | <a href="#">NAT64</a>     |
| 3   | Lab: IPv6 DNS                            | All  |                     | <a href="#">DNS</a>       |
|     | Lab: IPv6 Web                            | All  |                     | <a href="#">Web</a>       |
|     | Lab: IPv6 Mail                           | All  |                     | <a href="#">Mail</a>      |
| 4   | IPv6 Security Introduction               | PS   | <a href="#">PDF</a> |                           |
|     | Summary & Closing                        | All  |                     |                           |

## Resources

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

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