



# Agenda

## Time Schedule

|                  |               |
|------------------|---------------|
| <b>Session 1</b> | 09:00 - 10:30 |
| <b>Break</b>     | 10:30 - 11:00 |
| <b>Session 2</b> | 11:00 - 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 - 17:30 |

## Instructors

| FL | First Name      | Organisation | Country    |
|----|-----------------|--------------|------------|
| AA | Md Abdul Awal   | BCC          | Bangladesh |
| SB | Simon Baroi     | Fiber@Home   | Bangladesh |
| ZK | Md Zobair Khan  | Fiber@Home   | Bangladesh |
| PS | Philip Smith    | APNIC        | Australia  |
| SS | Shaila Sharmin  | Link3        | Bangladesh |
| YS | Md Yasir Shamim | CyberNet     | Pakistan   |

## Workshop Sessions

| Day             | Topic                                      | Inst | Presentations       | Exercises                                                                                   |
|-----------------|--------------------------------------------|------|---------------------|---------------------------------------------------------------------------------------------|
| <b>Thursday</b> |                                            |      |                     |                                                                                             |
| 1               | Introduction & Logistics                   | All  |                     |                                                                                             |
|                 | 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              | SB   | <a href="#">PDF</a> |                                                                                             |
|                 | Recap - IPv6 Introduction                  | SB   | <a href="#">PDF</a> |                                                                                             |
| 3               | Recap - IPv6 Protocol                      | AA   | <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               | IPv6 Address Planning                      | All  |                     | <a href="#">PDF</a>                                                                         |
| 3               | IPv6 Routing                               | PS   | <a href="#">PDF</a> |                                                                                             |
|                 | Lab: Setting up IPv4 & IPv6 Routing        | All  |                     | <a href="#">Setting up IS-IS</a>                                                            |
| 4               | Internet Security Introduction             | SB   | <a href="#">PDF</a> |                                                                                             |

| Day             | Topic                                       | Inst | Presentations       | Exercises                           |
|-----------------|---------------------------------------------|------|---------------------|-------------------------------------|
| <b>Saturday</b> |                                             |      |                     |                                     |
| 1               | IPv6 Security Introduction                  | TBA  | <a href="#">PDF</a> |                                     |
| 2               | Hardening IPv6 network devices              | SB   | <a href="#">PDF</a> |                                     |
| 3               | Lab: Setting up IPv4 & IPv6 Routing         | All  |                     | <a href="#">Setting up BGP</a>      |
| 4               | IPv6 Transition Technologies                | TBA  | <a href="#">PDF</a> |                                     |
| <b>Sunday</b>   |                                             |      |                     |                                     |
| 1               | IPv6 on Mobile Networks: Telstra Experience | PS   | <a href="#">PDF</a> |                                     |
|                 | IPv6 Deployment Planning                    | TBA  |                     | <a href="#">PDF</a>                 |
| 2               | IPv6 End User Deployment: Static            | All  |                     | <a href="#">Static</a>              |
|                 | IPv6 End User Deployment: 6rd               | All  |                     | <a href="#">6rd</a>                 |
| 3               | IPv6 End User Deployment: DHCPv6-PD         | All  |                     | <a href="#">DHCPv6-PD</a>           |
|                 | IPv6 End User Deployment: NAT64/DNS64       | All  |                     |                                     |
| 4               | Securing the transition mechanisms          | SB   | <a href="#">PDF</a> |                                     |
| <b>Monday</b>   |                                             |      |                     |                                     |
| 1               | Securing the Router                         | All  |                     | <a href="#">Securing the Router</a> |
|                 | IPv6 Routing Security: Theory               | AA   | <a href="#">PDF</a> |                                     |
| 2               | IPv6 Routing Security: Securing IS-IS       | All  |                     | <a href="#">Securing IS-IS</a>      |
|                 | IPv6 Routing Security: Securing BGP         | All  |                     | <a href="#">Securing BGP</a>        |
| 3               | IPv6 Security Monitoring                    | TBA  | <a href="#">PDF</a> |                                     |
| 4               | IPv6 Security Monitoring: Hands On          | All  |                     | <a href="#">Netflow</a>             |
|                 | Summary & Closing                           | All  |                     |                                     |

## Resources

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

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