



Agenda

Time Schedule

| | |
|------------------|---------------|
| Session 1 | 09:00 - 10:30 |
| Break | 10:30 - 11:00 |
| Session 2 | 11:00 - 13:00 |
| Lunch | 13:00 - 14:00 |
| Session 3 | 14:00 - 15:30 |
| Break | 15:30 - 16:00 |
| Session 4 | 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 |
|-----------------|--|------|---------------------|---|
| Thursday | | | | |
| 1 | Introduction & Logistics | All | | |
| | Where are we now: IPv6 deployment update | PS | PDF | |
| | Global IPv6 End-user Readiness | PS | PDF | |
| 2 | Recap - Internet fundamentals | SB | PDF | |
| | Recap - IPv6 Introduction | SB | PDF | |
| 3 | Recap - IPv6 Protocol | AA | PDF | |
| 4 | Deploying IPv4 and IPv6 Dual Stack network | All | | Network Setup Lab Access Address Plan |
| Friday | | | | |
| 1 | Recap - About IPv6 Addresses | PS | PDF | |
| 2 | Lab: IPv6 Address Planning | All | | PDF |
| 3 | IPv6 Routing | SS | PDF | |
| | Lab: Setting up IPv4 & IPv6 Routing | All | | Setting up IS-IS |
| 4 | Internet Security Introduction | SB | PDF | |

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

Resources

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

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From: <https://www.bgp4all.com.au/pfs/> - Philip Smith's Internet Development Site

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