Agenda

Time Schedule

Session 1	09:00 - 11:00
Break	11:00 - 11:30
Session 2	11:30 - 13:00
Lunch	13:00 - 14:00
Session 3	14:00 - 16:00
Break	16:00 - 16:30
Session 4	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
Thursday				
1	Introduction & Logistics	All	PDF	
	Where are we now: IPv6 deployment update	PS	PDF	
	Global IPv6 End-user Readiness	PS	PDF	
2	Recap – Internet fundamentals	TP	PDF	
	Recap – IPv6 Introduction	TP	PDF	
3	Recap – IPv6 Protocol	PS	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	TP	PDF	
4	Lab: Setting up IPv4 & IPv6 Routing	All		Setting up IS-IS
Saturday				
1	Internet Security Introduction	TP	PDF	
2	IPv6 Security Introduction	PS	PDF	
3	Lab: Setting up IPv4 & IPv6 Routing	All		Setting up BGP
4	Lab continued	All		
Sunday				
1	IPv6 Transition Technologies	TP	PDF	

Day	Topic	Inst	Presentations	Exercises
2	IPv6 Deployment Planning	TP	PDF	
3	Lab: IPv6 End User Deployment: Static	All		Static
	Lab: IPv6 End User Deployment: DHCPv6-PD	All		DHCPv6-PD
4	Lab: IPv6 End User Deployment: 6rd	All		6rd
	IPv6 on Mobile Networks: Telstra Experience	PS	PDF	
Monday				
1	Securing the transition mechanisms	PS	PDF	
	Hardening IPv6 network devices	TP	PDF	
2	Securing the Router	All		Securing the Router
	IPv6 Routing Security: Theory	PS	PDF	
3	IPv6 Routing Security: Securing IS-IS	All		Securing IS-IS
	IPv6 Routing Security: Securing BGP	All		Securing BGP
	IPv6 Security Monitoring	PS	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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