

IPv4 and IPv6 Routing Workshop

Time Schedule

Session 1	09:00 - 10:30
Break	10:30 - 11:00
Session 2	11:00 - 12:30
Lunch - Offsite	12:30 - 14:00
Session 3	14:00 - 15:30
Break	15:30 - 16:00
Session 4	16:00 - 17:30

Instructors

FL	Name	Organisation	Country
AB	Anurag Bhatia	Hurricane Electric	India
JP	Jordi Palet	Consulintel	Spain
SB	Simon Sohel Baroi	Fiber@Home	Bangladesh
PS	Philip Smith	APNIC	Australia

Workshop Sessions

Session	Topic	Inst	Presentations	Exercises	Address Plans
Thursday					
Session 1	Introductions	PS	PDF		
	Routing Basics	SB	PDF		
Session 2	Lab Setup	PS/SB		PDF	Address Plan PDF
	Introduction to IPv6	PS	PDF		
Session 3	IPv6 Standards and Protocols	PS	PDF		
Session 4	IPv6 Lab Setup	PS/SB		PDF	Address Plan PDF
Friday					
Session 1	IPv6 Addressing	PS	PDF		
Session 2	IPv6 Addressing Lab	PS/SB		PDF	
	Introduction to IS-IS	SB	PDF		
Session 3	IS-IS Lab	PS/SB		PDF	
	IPv6 Routing Protocols	PS	PDF		
	IS-IS for IPv6	PS	PDF		

Session	Topic	Inst	Presentations	Exercises	Address Plans
Session 4	IPv6 IS-IS Lab	PS/SB		PDF	
	Introduction to BGP	SB	PDF		
	iBGP Lab	PS/SB		PDF	
Saturday					
Session 1	BGP for IPv6	PS	PDF		
	IPv6 iBGP Lab	PS/SB		PDF	
Session 2	BGP Scaling Techniques	PS	PDF		
	Route Reflector Lab (IPv4)	PS/SB		PDF	
	Route Reflector Lab (IPv6)	PS/SB		PDF	
Session 3	iBGP and eBGP Lab	PS/SB		PDF	Address Plan PDF
	BGP Attributes	SB	PDF		
Session 4	IPv6 iBGP and eBGP Lab	PS/SB		PDF	Address Plan PDF
Sunday					
Session 1	Stateless Address Autoconfiguration	JP	PDF	PDF	
Session 2	DHCPv6	JP	PDF	PDF	
Session 3	IPv6 Transition Technologies	JP		PDF	
Session 4	NAT64/DNS64/464XLAT Lab	JP		PDF	
Monday					
Session 1	BIND9 and Apache for IPv6	JP	PDF	PDF	
Session 2	IPv6 Deployment	JP	PDF		
Session 3	IPv6 on Mobile Networks	JP	PDF		
Session 4	OSPF vs ISIS	SB	PDF		
	OSPF to ISIS migration	PS	PDF		
	Q&A and Closing	All			

Resources

- Putty
- Telnet for macOS (10.13 onwards)
- Dynamips configuration

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