Introduction to Routing

Time Schedule

Session 1	1 hour
Break	
Session 2	1 hour
Lunch	
Session 3	1 hour
Break	
Session 4	1 hour

Instructors

FL	Name	Organisation	Country
PS	Philip Smith	PFS Internet Development Pty Ltd	Australia

Workshop Sessions

Session	Topic	Inst	Presentations	Exercises	Address Plans
Day One					
Session 1	Introductions	PS			
	Routing Basics	PS	PDF		
Session 2	Introduction to OSPF	PS	PDF		
	OSPF for ISPs (overview)	PS	PDF		
Session 3	Comparing OSPF and IS-IS	PS	PDF		
	Lab Setup	All	PDF	PDF	Address Plan PDF
Session 4	OSPF Lab	All		PDF	
Day Two					
Session 1	Recap of Day One	PS			
	Introduction to BGP	PS	PDF		
Session 2	Lab Introduction	PS			
	iBGP Lab	All		PDF	
Session 3	BGP Attributes	PS	PDF		
Session 4	iBGP Lab (cont)	All			
Day Three					
Session 1	Recap of Day Two	PS			
	BGP Scaling Techniques	PS	PDF		
Session 2	Lab Introduction	PS			
	Route Reflector Lab (IPv4)	All		PDF	

Session	Topic	Inst	Presentations	Exercises	Address Plans
Session 3	BGP Policy Control	PS	PDF		
Session 4	BGP Best Practices	PS	PDF		
	Lab Introduction	PS			
	iBGP and eBGP Lab	All		PDF	Address Plan PDF
Day Four					
Session 1	Recap of Day Three	PS			
	BGP Best Practices (cont)	PS			
Session 2	Multihoming: Introduction	PS	PDF		
Session 3	Multihoming: Introduction (cont)	PS			
Session 4	Multihoming: Inbound TE	PS	PDF		
Day Five					
Session 1	Recap of Day Four	PS			
	Multihoming: Inbound TE (cont)	PS			
Session 2	Multihoming: Outbound TE	PS	PDF		
Session 3	Multihoming: Deployment	PS	PDF		
Session 4	Multihoming: Deployment (cont)	All			
Day Six					
Session 1	Recap of Day Five	PS			
	BGP Communities	PS	PDF		
Session 2	Remotely Triggered Blackhole Filtering	PS	PDF		
Session 3	BGP Origin Validation	PS	PDF		
Session 4	Round Table, Q&A and Closing	All			

Further Reading

Topic	Presentation/Lab
Troubleshooting BGP	PDF
BGP Route Filtering Lab	PDF
Multihoming Strategies Lab	PDF

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