



PFS Internet Development Workshops

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The workshop materials are based on the content of the extremely successful Cisco ISP/IXP Workshop programme which ran from 1997 until 2011. While the programme is no longer active within Cisco, many industry friends and volunteers still use and develop the materials for use in workshops taking place in the Network Operations Group fora and other gatherings around the world.

Category	Presentation
Routing	00-Internet-Introduction.pdf
	01-Routing-introduction.pdf
	02-OSPF-introduction.pdf
	03-OSPF-for-ISPs.pdf
	04-OSPF-in-detail.pdf
	05-ISIS-introduction.pdf
	06-ISIS-for-ISPs.pdf
	07-ISIS-in-detail.pdf
	08-ISIS-vs-OSPF.pdf
	09-OSPF-to-ISIS-migration.pdf
BGP	00-BGP-Introduction.pdf
	01-Scaling-BGP.pdf
	02-32bit-ASNs.pdf
	03-BGP-Attributes.pdf
	04-BGP-Policy.pdf
	05-BGP-BCP.pdf
	06-Transitioning-to-BGP.pdf
	07-Simple-Multihoming.pdf
	08-Advanced-Multihoming.pdf
	09-BGP-Communities.pdf

Category	Presentation
IPv6	00-IPv6-intro.pdf
	01-IPv6-protocol.pdf
	02-IPv6-addressing.pdf
	03-IPv6-Addressing-Exercise.pdf
	04-IPv6-routing.pdf
	05-OSPFv3.pdf
	06-ISIS-IPv6.pdf
	07-BGP-IPv6.pdf
	08-IPv6-Transition-Planning.pdf
	09-IPv6-SecuringTransitionMechanisms.pdf
	10-IPv6-Deployment-Study.pdf
	11-IPv6-Deployment-Planning.pdf
	12-IPv6-Security.pdf
	13-IPv6-Device-Hardening.pdf
	14-IPv6-Routing-Security.pdf
Design	00-Value-of-Peering.pdf
	01-ISP-Network-Design.pdf
	02-ISP-Systems-Design.pdf
	03-IXP-Design.pdf
	04-LINX-History.pdf
	06-NetworkMonitoring.pdf
	07-Choosing-Routers.pdf
Security	00-RTBH.pdf

Category	Lab Modules	Notes
IPv4	01-Setup.pdf	
	01-ISIS.pdf or 01-OSPFv2.pdf	
	01-iBGP.pdf	
	02-OSPF-areas.pdf	
	03-BGP-RR.pdf	
	04-IOS-Essentials.pdf	
	05-policy-routing.pdf	
	06-ISIS+iBGP+eBGP.pdf or 06-OSPF+iBGP+eBGP.pdf	
	06x-ISIS+iBGP+eBGP.pdf	For IXP Workshop
	07-BGP-route-filtering.pdf	
	08-BGP-policy.pdf	
	09-BGP-BCP.pdf	
	10-SimpleIXP.pdf	
	11-ISIS-advanced.pdf or 11-OSPFv2-advanced.pdf	
	16-ISIS-IXP.pdf or 16-OSPFv2-IXP.pdf	
	ipv4-addressing-labs01-05.pdf	
	ipv4-addressing-labs06-09.pdf	

Category	Lab Modules	Notes
IPv6	01-IPv6-Setup.pdf	
	01-IPv6-ISIS.pdf or 01-OSPFv3.pdf	
	01-IPv6-iBGP.pdf	
	02-OSPFv3-areas.pdf	
	03-IPv6-BGP-RR.pdf	
	04-OSPF-to-ISIS.pdf	
	05-DS-OSPF-to-ISIS.pdf	
	06-IPv6-ISIS+iBGP+eBGP.pdf or 06-OSPFv3+iBGP+eBGP.pdf	
	06x-IPv6-ISIS+iBGP+eBGP.pdf	for IXP Workshop
	07-IPv6-BGP-route-filtering.pdf	
	08-IPv6-BGP-Policy.pdf	
	09-IPv6-access.pdf	
	10-Simple-IPv6-IXP.pdf	
	11-IPv6-ISIS-advanced.pdf or 11-OSPFv3-advanced.pdf	
	16-IPv6-ISIS-IXP.pdf or 16-OSPFv3-IXP.pdf	
	ipv6-addressing-labs01-05.pdf	
	ipv6-addressing-labs06-09.pdf	

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