

Network Fundamentals Curriculum

Mod #	Tentative Title	Audio Completed	URLs
Part 1 – Networking Technologies			
1,1	What is a network?	Y	http://elearning.global.sonicwall.com/nfc/p1m1/
1,2	Binary math; working with hexadecimal & logic gates	Y	http://elearning.global.sonicwall.com/nfc/p1m2/
1,3	OSI Layer 1 & IEEE 802 standards	Y	http://elearning.global.sonicwall.com/nfc/p1m3/
1,4	OSI Layer 2: <ul style="list-style-type: none"> • VLANs (802.1q) • Data Link /L2 • WAN Protocols 	Y	http://elearning.global.sonicwall.com/nfc/p1m4/
1,5	OSI Layer 3 & IP protocol <ul style="list-style-type: none"> • Routing Protocols (RIP, OSPF, BGP) • Routed Protocols (IPv4 & v6; SS7) • Addressing & VLSM • IPSec • NAT • VPN 	Y Y Y Y Y	http://elearning.global.sonicwall.com/nfc/p1m5-Routing/ http://elearning.global.sonicwall.com/nfc/p1m5-IP/ http://elearning.global.sonicwall.com/nfc/p1m5-CIDR/ http://elearning.global.sonicwall.com/nfc/p1m5-IPSec/ http://elearning.global.sonicwall.com/nfc/p1m5-NAT/ http://elearning.global.sonicwall.com/nfc/p1m5-VPN/
1,6	OSI Layer 4 Protocols & SSL-VPNs <ul style="list-style-type: none"> • SSL-VPN • TCP & UDP 	Y Y	http://elearning.global.sonicwall.com/nfc/p1m6-ssl-vpn/ http://elearning.global.sonicwall.com/nfc/p1m6-tcp/
1,7	OSI Layer 5: <ul style="list-style-type: none"> • Database Fundamentals & • SQL commands; • Disaster Recovery 	100%	http://elearning.global.sonicwall.com/nfc/p1m7-l5/
1,8	OSI layer 6: <ul style="list-style-type: none"> • Data Security& Encryption • SSL • IKE & Certificates • Data Compression 	100%	http://elearning.global.sonicwall.com/nfc/p1m8-L6/
1,9	OSI Layer 7 – networked applications	Y	http://elearning.global.sonicwall.com/nfc/p1m9-Apps/
1,1	802.11 Wireless <ul style="list-style-type: none"> • Electromagnetic Spectrum • Wireless Network Overview • Wireless Architecture & Deployment • Wireless Security 	42% 47% 100% 100%	http://elearning.global.sonicwall.com/nfc/p1m10-l1/ http://elearning.global.sonicwall.com/nfc/p1m10-l2/ http://elearning.global.sonicwall.com/nfc/p1m10-l3/ http://elearning.global.sonicwall.com/nfc/p1m10-l4/
Part 2 – Network Tools and Utilities			
2,1	Network Utilities (ICMP, IGMP, NETSTAT,) troubleshooting tools	Y	http://elearning.global.sonicwall.com/nfc/p2m1-util/
2,2	VMWare Player 3.0	Y	http://elearning.global.sonicwall.com/nfc/p2m2-vmw/

Part 3 – Network Servers and Services

3,1	Servers - DHCP	Y	http://elearning.global.sonicwall.com/nfc/p3m1-dhcp/
3,2	Servers - DNS	Y	http://elearning.global.sonicwall.com/nfc/p3m2-dns/
3,3	Servers – x.400 / eMail	Y	http://elearning.global.sonicwall.com/nfc/p3m3-email/
3,4	Servers - LDAP – x.500 / LDAP	Y	http://elearning.global.sonicwall.com/nfc/p3m4-ldap/
3,5	Servers – RAS/RADIUS/802.1x	Y	http://elearning.global.sonicwall.com/nfc/p3m5-ras/

Part 4 – Network Security

4,1	Network Security <ul style="list-style-type: none"> • Introduction • Firewall • Security Planning & Design 	Y Y Y	http://elearning.global.sonicwall.com/nfc/p4m1-11/ http://elearning.global.sonicwall.com/nfc/p4m2-11/ http://elearning.global.sonicwall.com/nfc/p4m3-11/
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