

Abschlussprüfung Sommer 2005



Fachinformatiker/Fachinformatikerin
Systemintegration
1197

1

Ganzheitliche Aufgabe I
Fachqualifikationen

Anlage Zum 2. Handlungsschritt

Tabelle zum 2. Handlungsschritt

Technische Daten VPN-Gateway und Firewall

VPN-1 EDGE APPLIANCE SPECIFICATIONS	Sa	X16	X32	XU
Size				
Total users	8	16	32	Not limited by license
Interfaces				
4-port 10/100 LAN switch	✓	✓	✓	✓
10/100 WA port	✓	✓	✓	✓
10/100 DMZ/WAN2 port	-	✓	✓	✓
Serial port	-	✓	✓	✓
Firewall				
Performance	22 Mbps	80 Mbps	80 Mbps	150 Mbps
Concurrent connections	2000	8000	8000	8000
Stateful Inspection firewall	✓	✓	✓	✓
DoS protection	✓	✓	✓	✓
Anti-spoofing	✓	✓	✓	✓
VPN				
Performance (3DES)	3 Mbps	20 Mbps	20 Mbps	30 Mbps
Site-to-site IPSec VPN gateway	-	✓	✓	✓
Remote access IPSec VPN client	✓	✓	✓	✓
Remote access VPN gateway	1 user	10 users	15 users	25 users
VPN-1 SecurRemote client licenses	Included	Included	Included	Included
AES, 3DES, DES encryption	✓	✓	✓	✓
IPSec NAT traversal	✓	✓	✓	✓
Hardware random number generator	-	✓	✓	✓
Networking				
WAN access protocols	Static IP, DHCP, PPPoE, PPTP, Testra			
Static NAT	-	✓	✓	✓
Hide NAT	✓	✓	✓	✓
DHCP server	✓	✓	✓	✓
Bandwidth Management	-	✓	✓	✓
DHCP Relay	✓	✓	✓	✓
Dynamic routing*	-	✓	✓	✓
VLAN support*	-	✓	✓	✓
High Availability				
Gateway high availability-ready	-	✓	✓	✓
Supports back up VPN gateway at another site (MEP)	-	✓	✓	✓
Supports back up ISP	-	✓	✓	✓
Supports dial back up (modem required)*	-	✓	✓	✓
VPN User and Gateway Authentication				
Site-to-site	-	Check Point Internal Certification Authority (Diffie-Hellman 1024-bit PKI) digital certificates, X.509 digital certificates or pre-shared secret		
Remote access (to VPN-1 Pro)	RADIUS, RSA @SecureID, LDAP, MS ActiveDirectory, TACACS, XAUTH			
Remote access (to VPN-1 Edge)	RADIUS* or pre-shared secret			
Centralized Management Support				
Management software	SmartCenter, SmartCenter Pro/SmartLSM, SmartCenter Express, SmartCenter Express Pro, Provider-1, SMP			
Software updates	SmartUpdate			
Reporting and monitoring	SmartView Tracker, SmartView Reporter*, Syslog			
Local Web-based Management				
Installation wizard	✓	✓	✓	✓
Firewall wizard	✓	✓	✓	✓
VPN wizard	✓	✓	✓	✓
Local logs	✓	✓	✓	✓
HTTPS remote access	✓	✓	✓	✓
Other Hardware Specifications				
Dimensions	1.2 x 8.4 inches (3.0 x 20.3 x 12.2 cm)			
Weight	1.8 lbs (.82 kg)			
Power	100-240 VAC, 50-60 Hz			
Regulatory compliance	FCC Part 15 Class B, CE			