Enterprise Security Perimeter Arch

Core Security Services

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Network/Security Services

DNS Domain Name Service

• DHCP Dynamic Host Configuration Protocol

Multicast SM, DM, SSM

QoS Quality of Service

GSLB/SLB Global/Server Load Balancing

• NTP Network Time Protocol

WWW-Proxy World Wide Web Proxy Service

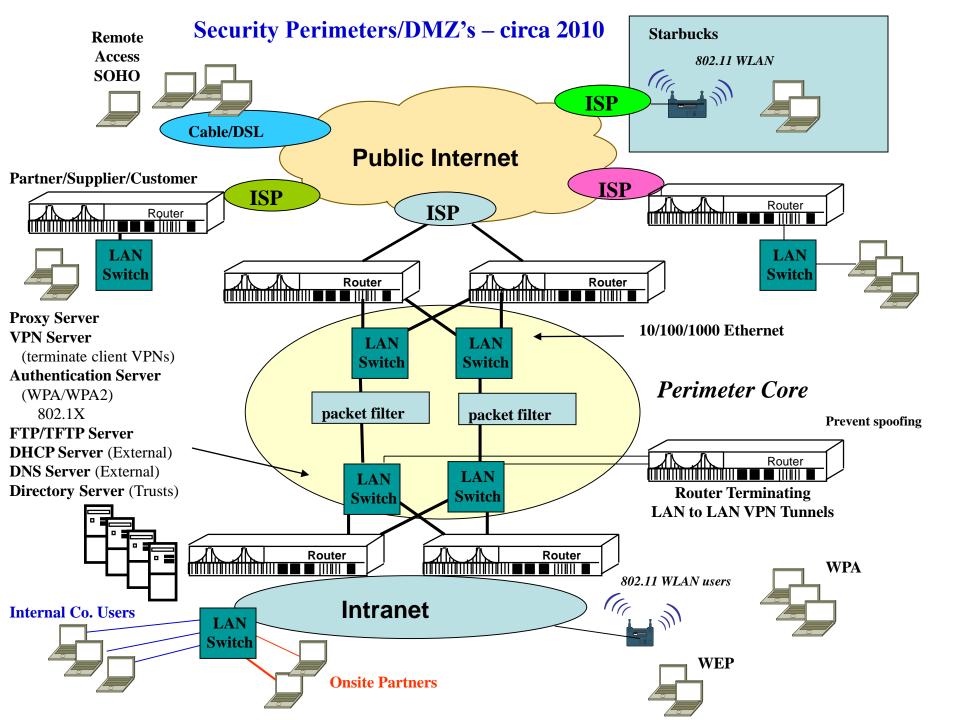
• WINS Windows Internet Name Service (MS)

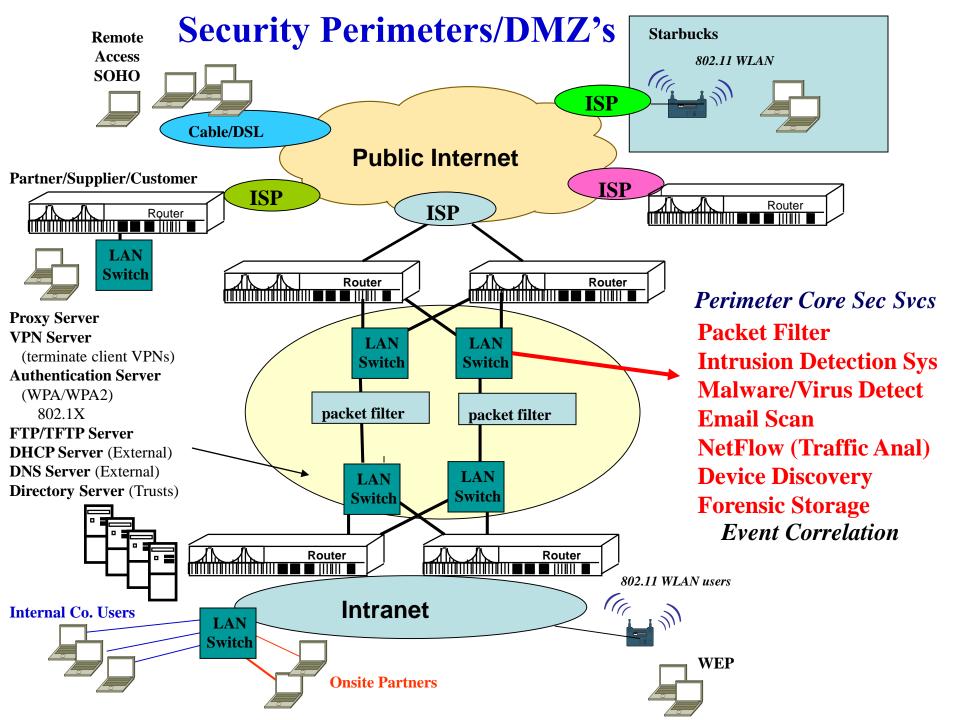
• DDNS/AD Dynamic Domain Name Service (MS)

• AAA/Security Authentication, Authorization, Admittance

IPSec Inbound/Outbound Access

• LDAP Directory Lightweight Directory Access Protocol





Security Devices/Components on Perimeter

IDS Intrusion Detection System

Virus/Malware Detect Detect signatures of virus/malware in flows

Device DiscoveryDetects new devices as they activate on net/LAN

Anomaly Detection of traffic flows/patterns

Proxy Server content filtering web proxy server provide admin control over content relayed both directions through the proxy. Ensures acceptable Internet usage.

Filter/Firewall

Block/permit IP addresses, TCP/UCP ports

Correlation Agent Fusion/correlation of different security "events" Security Event Mgmt

Why would NTP be a critical service??