

Building

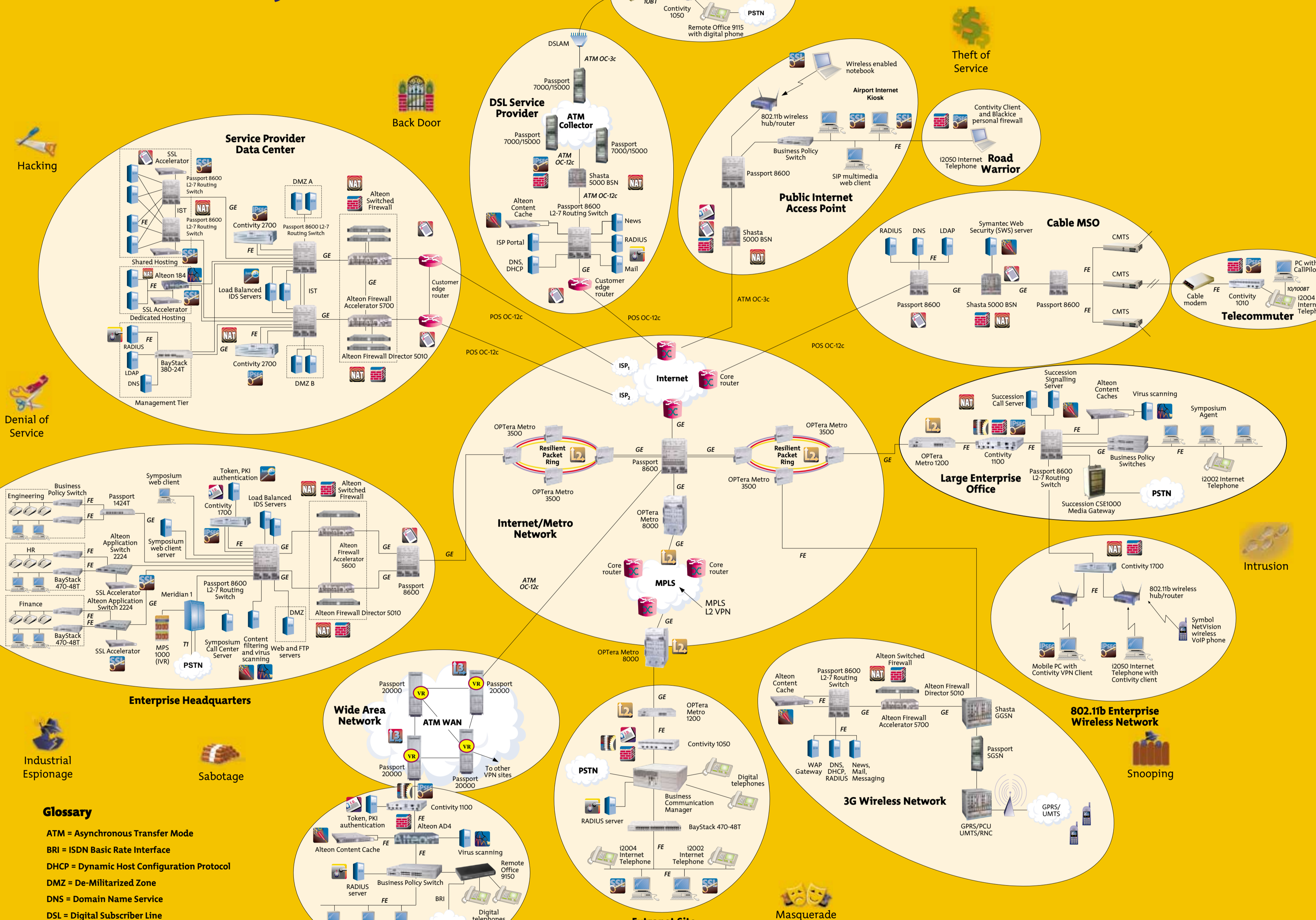
A World of Choice with

NORTEL NETWORKS™

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Unified Security Architecture



Glossary

- ATM = Asynchronous Transfer Mode
- BRI = ISDN Basic Rate Interface
- DHCP = Dynamic Host Configuration Protocol
- DMZ = De-Militarized Zone
- DNS = Domain Name Service
- DSL = Digital Subscriber Line
- FE = Fast Ethernet
- FTP = File Transfer Protocol
- GE = Gigabit Ethernet
- GSN = Gateway GPRS Service Node
- IDS = Intrusion Detection Service
- IPsec = Internet Protocol Security
- ISP = Internet Service Provider
- LDAP = Lightweight Directory Access Protocol
- MSO = Multi-Service Operator
- NAT = Network Address Translation
- PKI = Public Key Infrastructure
- POS = Packet over SONET
- PSTN = Public Switched Telephone Network
- RNC = Radio Node Controller
- SGSN = Serving GPRS Service Node
- SIP = Session Initiation Protocol
- SSL = Secure Sockets Layer

Legend

- Secure Routing Technology
- Network Address Translation
- Content Filtering
- Firewalling
- Virus Scanning
- Secure Sockets Layer Encryption
- Intrusion Detection
- IPsec Encryption
- Secure Password Storage
- Access List
- Authentication
- Layer 2 VPN
- Layer 3 VPN

Nortel Networks Unified Security Architecture—providing comprehensive, scalable solutions across network, application and management levels

BayStack Workgroup Ethernet Switches

BayStack 420, 450, 380 and 470 Workgroup switching platforms that provide 10/100/1000 autosensing flexibility, GBIC-based uplink ports, fail-safe stackability and comprehensive Quality of Service (QoS) features to ensure layer 2, 3 and 4 classification and prioritization of data traffic and users for maximum performance. Security features that help protect against unauthorized access to data traffic combine to deliver a high-density, high-performance switch for enterprise wiring closets.

Business Policy Switch

A stackable 24 port 10/100 Ethernet switch that dramatically increases network performance and reliability by providing advanced layer 2, 3 and 4 packet classification, prioritization and QoS capabilities, web-based management, fail-safe stackability and flexible high speed uplinks. It provides the QoS functionality of a router with the price and simplicity of a switch.

Contivity Secure IP Services Gateways

Contivity 600, 1010, 1050, 1100, 1700, 2700 and 4600 Platforms that deliver clear text and secure IP routing, IP-VPNs, firewall, bandwidth management, encryption, authentication and data integrity for secure connectivity across managed IP networks and the Internet. They can connect remote users, branch offices, suppliers and customers with the cost and performance advantages of shared IP networks and the security and control of private networks.

Shasta 5000 Broadband Service Node

An industry-leading convergence platform geared toward data service providers and enterprises. It delivers scalable, reliable and cost-effective advanced IP services and subscriber aggregation regardless of the access and network transport technologies/protocols. Capabilities of the platform extend to virtualized firewalls, IP-VPNs (intranet, extranet, remote access, MPLS), advanced QoS, network address translation (NAT), policy routing and personalized content delivery.

Passport Multiservice Switches

Passport 6400, 7400, 15000 and 20000 High-performance, flexible and reliable platforms that deliver highly available, cost-effective multiservice networking. A variety of applications/protocols are supported on a single switch including Frame Relay, ATM, MPLS, IP and IP-VPNs, Layer 2 VPN, wireless transport, voice and circuit emulation. Designed for enterprises with high-network complexity, who require a highly reliable platform, Passport can help reduce costs through network consolidation. Technologies such as "any service on any port interfaces" and "advanced PBX voice networking capabilities" make this product a market leader in the global MS WAN switch market.

Alteon Content Networking Solutions

Alteon Content Manager (ACM), Alteon Content Director (ACD), Alteon Content Cache (ACC) High-performance content management systems for web and streamed media content. Included is the Alteon Content Cache (ACC) – an extremely flexible caching solution with powerful content filtering; the Alteon Content Manager (ACM) – a comprehensive content, cache and accounting management solution; and the Alteon Content Director (ACD) – a global load balancing solution that delivers user-aware request-to-content routing capabilities based on layer 3-7 attributes and user proximity.

Alteon Web Switches

Alteon 180 Series, Alteon ACE Director Series, Alteon Application Switch, Alteon Web Switching Module (WSM) Industry-leading content switches delivering advanced Layer 4 through 7 application switching and processing with full wire-speed throughput on every port. The Alteon Web Switch Module is also available to bring the power of Layer 4-7 content switching to the Passport 8000 Ethernet Switch series.

Alteon Switched Firewall (ASF)

Alteon Switched Firewall Director, Alteon Switched Firewall Accelerator Third-generation firewall solution that ensures security without the traditional bandwidth bottleneck. It maximizes the efficiency of capital investment by providing high-performance security at a significantly lower cost than traditional solutions that require multiple firewalls. It delivers multi-gigabit performance, stealth mode, simplified management and leverages Check Point NG software technology.

Alteon SSL Accelerator (ASA)

Further extends the performance, scalability and flexibility of eCommerce infrastructures and secure applications access by offloading and performing processing tasks with long duty cycles (eg. SSL termination) that would otherwise bog down the performance of electronic transaction servers.

Passport 8000 Series Switches

Passport 8000 Chassis, 8100 Edge Switching Modules and 8600 Series Routing Switches Delivers a reliable, scalable and simple architecture for enterprise backbones, wiring closets, data centers and service provider networks. Switching capacity scales to 512Gbps and provides wire-speed L2-7 traffic classification, filtering, forwarding and routing. Integrates all necessary LAN and MAN technologies in a single solution, including web switching, 10 Gig Ethernet, ATM, WDM, multicasting and QoS for VoIP.

OPtera Metro 1000 Ethernet Services Module Series

OPtera Metro 1200, 1400, 1450 Represents a new class of purpose-built, carrier-class edge devices that simplify the delivery of all types of Ethernet services by enabling quick and easy provisioning. They can be deployed to support an array of service delivery scenarios, including point-to-point, point-to-multipoint and any-to-any virtual private Ethernet services, delivering a customer premises demarcation and Ethernet UNI that may leverage a fiber, RPR or DWDM infrastructure.

OPtera Metro 8000 Services Switch

A flexible component on the new MPLS-based Optical Ethernet network offering unsurpassed reliability, massive bandwidth, exceptional performance and industry-leading intelligence. It supports any-to-any Layer 2 MPLS transparent LAN and VPN service and brings MPLS traffic engineering and VPN capabilities to the provider edge using an array of programmable and field-upgradable network processors.

OPtera Metro

Provides a converged packet solution that supports TDM services and Ethernet (10, 100 and 1000Mbps) over a Resilient Packet Ring (RPR) self-healing backbone, while also supporting a service provider Ethernet UNI interface for MPLS interworking. Allows network operators to leverage their ring-based optical infrastructures in the packetized world.

Business Communications Manager

A converged network solution that brings the power of traditional data networking and breakthrough IP Telephony applications together, all at the pace of the customer. Supports both digital and IP Telephony, can be used for establishing IP-based call centers and is instrumental in leveraging new IP wireless technologies to streamline business operations.

Succession Communication Server for Enterprise 1000 (Succession CSE 1000)

A next-generation VoIP solution that provides all the benefits of a converged network, plus advanced business applications and management software and more than 400 world-class telephony features. The completion of an architectural evolution, the product decouples and distributes the key components of the Meridian 1 enterprise communication system – call processing, switching, line and trunk interfaces and applications – into an open, IP-distributed, standards-based, network design.

IP Telephony Terminals

i2002/i2004 Internet Telephone, i2050 Software Phone, VoIP-802.11 wireless IP telephones Now you can enjoy the next-generation features of VoIP, plus all of the reliability and ease-of-use of a traditional telephone. Nortel Networks offers two superior IP desktop models, the i2002 and i2004, along with the innovative i2050 software-based solution that brings VoIP to your desktop. Also available is the VoIP-802.11 wireless IP telephone, providing the ultimate in VoIP mobility.

