



FOUNDRY[®]
NETWORKS

Securing and Accelerating Application Delivery

ServerIron L4-7 Product Family & Solutions

THE POWER OF PERFORMANCE™





ServerIron L4-7 Application Delivery Product Family

ServerIron Stackable

ServerIronXL

Entry-Level – Essential Features and Best Price



ServerIronXL 16/24

ServerIron 4G Family

Advanced Features @ Entry Price



ServerIron 4G



ServerIron 4G-SSL

ServerIronGT C Series

Modular 2U, Feature-Rich, "stackable form factor" (With SSL)



GT-C2404F



GT-CGC16



GT-CGx2

ServerIronGT E Series

Mid-Range Performance, Expandable and Feature-Rich (With SSL)



GT-E2404



GT-EGC16



GT-EGx2

ServerIron 350/450/850

High-Performance, Density and Highly Scalable (On-Demand Integrated SSL)



ServerIron 350 + 350 Plus



ServerIron 450 + 450 Plus



ServerIron 850 + 850 Plus

Integrated SSL Acceleration Module Options

Price and Performance



ServerIron 350, 450 and 850 Plus Series Ultra High Performance Application Switches



ServerIron 350-PLUS



ServerIron 450-PLUS



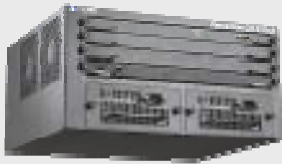
ServerIron 850-PLUS

- ❁ Industry's Only Purpose-Built, Modular, Highly Available, Data Center Class L4-7 Application Delivery Switch
- ❁ Hardware-Assisted Security and Integrated SSL Acceleration
- ❁ High Density port configurations for Gig and 10Gig application connectivity
- ❁ Global Server Load Balancing for Datacenter redundancy & failover
- ❁ Support for major Enterprise and Service Provider applications
- ❁ Integrated and Redundant AC/DC Power insures high availability
- ❁ Unmatched Security, Scalability and Performance with Dual Redundant Web Switching Modules (WSM7)
 - *L4 CPS @ 350,000 & L7 CPS @ 120,000*
 - *SSL Security at 60,000 new CPS*
 - *DDoS Protection @ 8 Million SYN/Sec*
 - *Application Throughput: 12 Gbps*



ServerIron GT-E Family of Chassis Based Application Delivery Controllers

ServerIron GT-E Family



SI-GT-EGx2



SI-GT-EGx4P



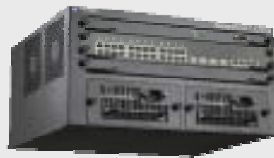
SI-GT-EGC16



SI-GT-EGC16P



SI-GT-E2404



SI-GT-E2404P

- ❁ Industry's first dedicated 10 Gigabit application delivery switch
- ❁ Investment protection with port expandability and application performance upgradeability
- ❁ Support for advanced L7 content switching including URL, Cookie, SML, HTTP header, and SSL ID switching
- ❁ Integrated DoS attack protection at up to 3.6M Syn/sec and 30 DoS attack signatures
- ❁ Most scalable and transparent Global Server Load Balancing for data center redundancy
- ❁ Support for SIP, DNS, Radius, Firewall, and IDS Load Balancing
- ❁ Health monitoring and enterprise application switching for Oracle, Microsoft, SAP, BEA, and other industry best-of-breed applications



ServerIron GT-C Family of Compact Chassis Based Application Delivery Controllers

ServerIron GT-C Family



SI-GT-CGX2



SI-GT-CGC16



SI-GT-C2404CF



SI-GT-CGX2-SSL



SI-GT-C2404CF-SSL



SI-GT-CGC16-SSL

- ❁ Modular, compact 2U, 3-slot application delivery controller
- ❁ Datacenter class with redundant power, removeable fan, and hot-swappable modules
- ❁ Industry's most compact, expandable content switching engine for HTTP, XML, FIX, DNS, and SIP
- ❁ Integrated DoS attack protection at up to 1.2M Syn/Sec, and against 30 DoS attack signatures
- ❁ Integrated SSL module support at up to 6,000 new SSL CPS, 20,000 TPS, and 2 Gbps encrypted throughput
- ❁ HTTP connect offload to optimize web applications
- ❁ High performance IP NAT and access controls
- ❁ Integrated, wire-speed L2-3 Switching



ServerIron 4G Family of Compact, Cost Effective, Application Delivery Products



ServerIron 4G



ServerIron 4G-SSL

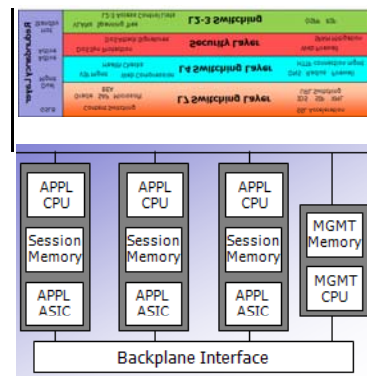
- ❁ Compact, Entry-Level Purpose-Built Stackable Data Center Class L4-7 Application Switch
- ❁ Hardware-Assisted Security and Integrated SSL Acceleration
- ❁ Redundant AC/DC Power Option
- ❁ Unmatched Price and Price/Performance with High-End Application Features in a compact form factor
 - *L4 CPS @ 40,000 & L7 CPS @ 15,000*
 - *DDoS Protection @ 1 Million SYN/Sec*
 - *Application Throughput: 2 Gbps*
 - *1,500 New SSL CPS and 500 Mbps Bulk Encryption*



TrafficWorks Application Switching Software and ServerIron WSMs with multiple BP Architecture

TrafficWorks

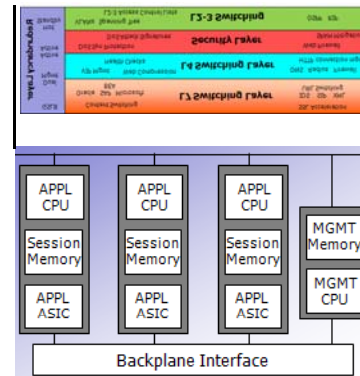
WSM
3-Barrel Configuration



TrafficWorks

Second WSM

- Added Performance
- High Availability



	L4 CPS	L7 CPS	DoS Syn/Sec	SSL TPS	SSL Throughput
WSM6	150K	50K	8M	6000	500 Mbps
Dual WSM6	300K	100K	16M	12000	1 Gbps
WSM7	180K	60K	10M	6000	500 Mbps
Dual WSM7	360K	120K	20M	12000	1 Gbps



IronView Network Manager

Network Management for ServerIron L4-7 Products

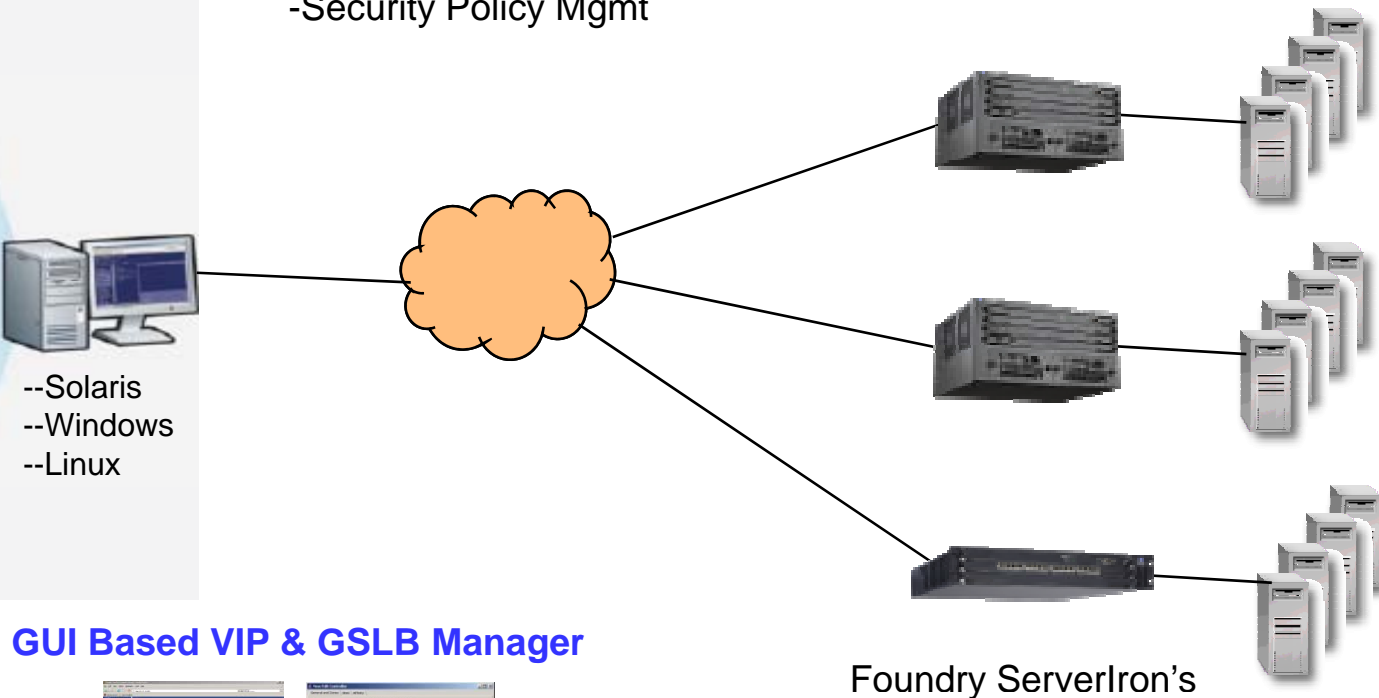
IronView Network Manager

SECURITY POLICIES
 REPORTS
 EVENTS & ALARMS
 NETWORK REMEDIATION
 WIRELESS DOMAIN MANAGEMENT
 CONFIGURATION MANAGEMENT

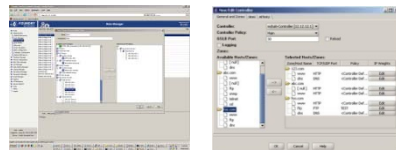
--Solaris
--Windows
--Linux

IronView Provides:

- ServerIron Discovery & Topology Mgmt
- Configuration & Image Deployment
- Thumbnail Status & Alarm Views
- Configuration Backup
- Security Policy Mgmt



GUI Based VIP & GSLB Manager

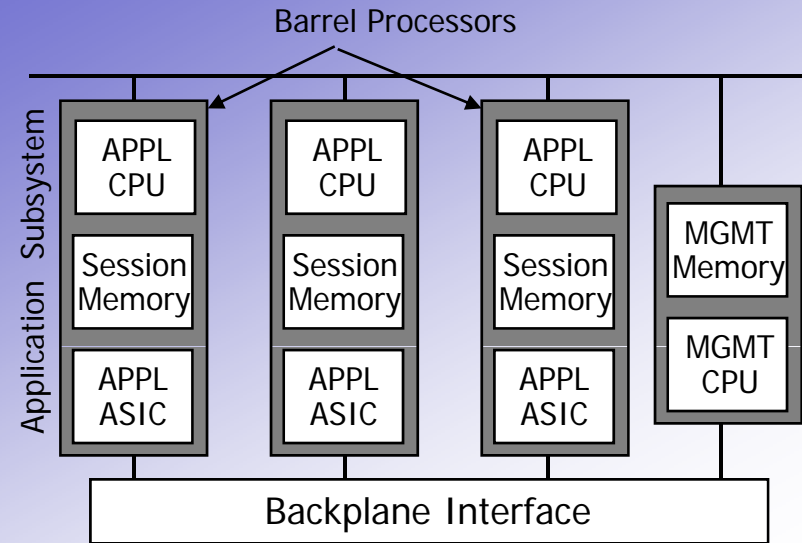




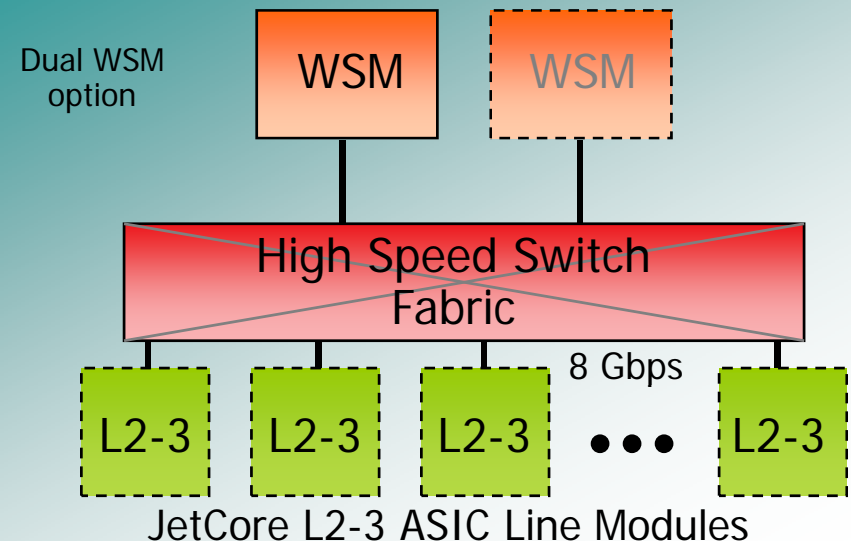
ServerIron System Architecture - Built for Scalable, Secure, Application Delivery

- ❁ Hardware-Assisted Multi-Gigabit Application Performance
- ❁ Web Switching Modules (WSM) can support 1,2, or 3 Barrel Processors for Scalable Performance Capacity
- ❁ Dual-Active Management Module option for 2x performance
- ❁ High Speed ASIC based DoS & Security Protection
- ❁ Full TrafficWorks software support on each WSM
- ❁ Integrated with Foundry's award winning Jetcore wire-speed L2-3 switching

Web Switching Module



Integrated L4-7 & L2-3 Switching





ServerIron TrafficWorks

Advanced Platform Application Delivery Software Optimized for ServerIron

Redundancy Layer	GSLB	Content Switching Oracle SAP Microsoft BEA	L7 Switching Layer	SSL Acceleration IDS SIP XML URL Switching
	Dual Mgmt	VIP Mgmt Web Compression Health Checks	L4 Switching Layer	DNS Radius Firewall HTTP connection mgmt
	Active Active	DoS Syn Protection DoS Attack Signatures	Security Layer	Web Firewall SPAM Mitigation
	Hot Standby	VLANs Spanning Tree L2-3 Access Control Lists	L2-3 Switching	OSPF RIP

- ⚙ TrafficWorks Software delivers full L4-7 application switching for Enterprise and Service Provider applications
- ⚙ Redundancy layer provides both local & global high-availability, as well as multiple web switching module support for added performance scalability
- ⚙ TrafficWorks runs across all ServerIron product lines without complex software licensing
- ⚙ Security is built into the software & hardware architecture for highest-speed DoS protection
- ⚙ Optional SSL acceleration capability integrated into TrafficWorks



TrafficWorks Advanced Platform Application Delivery Features

Security

- Multi-Gigabit SYN/ACK Flood Protection
- Advanced High Speed DoS Attack Signatures
- Granular Application
- Wire-Speed ACLs and HW sFlow
- Email SPAM Mitigation
- Advanced Web Firewall
- SIP Security Protection

Traffic Mgmt.

- Advanced Load Balancing and Traffic Management
- Sophisticated Health Monitoring from Layer 2 through 7 (Scripted)
- Transparent L4 and L7 Traffic Management for Any IP Application
- Hitless Failover Always

Global LB

- Multi-Site Redundancy and Scalability
- Intelligent Traffic Distribution and Persistence
- Secure Communication between Sites
- Traffic Localization with Advanced Proximity Measures

Web Acceleration

- Integrated H/W SSL Acceleration
- HTTP Connection Multiplexing for Server Optimization
- Advanced Web Content Management for HTTP, HTTPS, XML, SOAP
- Clientless HTTP Compression for BW Optimization*

VoIP / SIP

- Advanced SIP/VoIP Intelligence and Protocol Support
- SIP Proxy/Registrar Load Balancing and Persistence
- Security with Protocol Validation, Rate Limiting and Filtering
- SIP Specific L7 Health Monitoring

Adv. Layer 2/3

- Full Features Layer 2/3 Switching and Routing
- Layer 3 Support including OSPF, VRRP, VRRP-E, Policy Based Routing
- ACLs, 802.1q, 802.1w, Port Trunks, Wire-Speed L2/3 Switching
- High Performance Stateful IP NAT



TrafficWorks Application Switching Software

Complete Software Solution across all ServerIron Products

- ✿ **Integrated Global Server Load Balancing** – Can activate GSLB controller function in any ServerIron and use Route Health Injection for sites that do not control their own DNS
- ✿ **SSL Acceleration** – Available as option throughout product family (integrated on switching module or as separate module)
- ✿ **Content Switching** – Full layer 7, URL, HTTP, and XML content based application traffic management and switching
- ✿ **High Availability** – Three modes for maximum flexibility
- ✿ **HTTP Connection Multiplexing** – Offloads session management from HTTP servers
- ✿ **SIP, IDS, and Firewall Load Balancing & Security**
- ✿ **Application Health Monitoring** – Provides application intelligent switching for critical infrastructure and enterprise applications
- ✿ **Web Firewall & Compression** – Eliminates many web attacks and provides maximum bandwidth utilization for web applications
- ✿ **Accelerated Mail & SPAM Mitigation** through multiple IP black list sites (ie spamhaus, SecureComputing)
- ✿ **Embedded, high-speed L2/3 switching & routing** insures interoperability and support for all L2 and L3 configurations



ServerIron & TrafficWorks: Key Strategic Industry Differentiators

- The industry's first and only purpose built, datacenter class application delivery controller providing massive scalability, super reliability, and performance upgradeability
 - Multiple Barrel Processors and Dual Web Switching Modules provide industry leading scalability from 15,000 to 100,000+ L7 connections per second
 - Management Redundancy, Integrated (AC/DC) Power Redundancy, and Multiple High Availability Modes (Hot Standby, Active-Active) provide reliability for key applications and IP infrastructure
 - Hardware architecture with no spinning parts delivers industry's highest MTBF
 - Fixed and modular ServerIron configurations provides customers with choice of solution
- Delivers the Industry's Best DoS and Attack Protection Security Performance
 - DoS Attack Performance scales from 1M to 8M Syn/sec
- Enterprise & Service Provider Applications and IP Infrastructure Support
 - Integrated Global Server Load Balancing provides additional flexibility
 - SSL Performance options that scale from 1,500 to 120,000 CPS
 - DNS, Firewall, IDS, SIP, Radius, NAC/NAP Support
 - Oracle, Microsoft, SAP, BEA and other industry best-of-breed application support



Foundry ServerIron – the Clear Choice as the Leading L4-7 Application Switch Vendor

- Foundry offers the industry's only purpose built, data center class application switch with future upgradeability, expandability, and investment protection (no forklift upgrade)
- ServerIron is the industry's most complete, yet cost-effective application switching solution, providing twice the application performance for comparably priced systems
- Foundry provides the only application switching family of products that are widely deployed in both Enterprise and Service Provider environments worldwide
- ServerIron delivers the most secure, high performing DoS Attack prevention in the industry, without sacrificing system performance
- Foundry is the only L4-7 Application Switching vendor that directly supports our customers with skilled systems engineers knowledgeable in applications, networking, and IP infrastructure



Foundry Application Delivery Vision

To Continue as the Leader in L4-7 Application Delivery by:

- Delivering the industry's highest performing, most scalable, purpose built platforms for the Enterprise and Service Provider L4-7 markets
- Securing Enterprise applications and Service Provider infrastructure with the industry's highest performing denial-of-service and attack prevention solutions
- Providing the industry's most reliable & cost effective application aware platforms for optimizing and accelerating application delivery



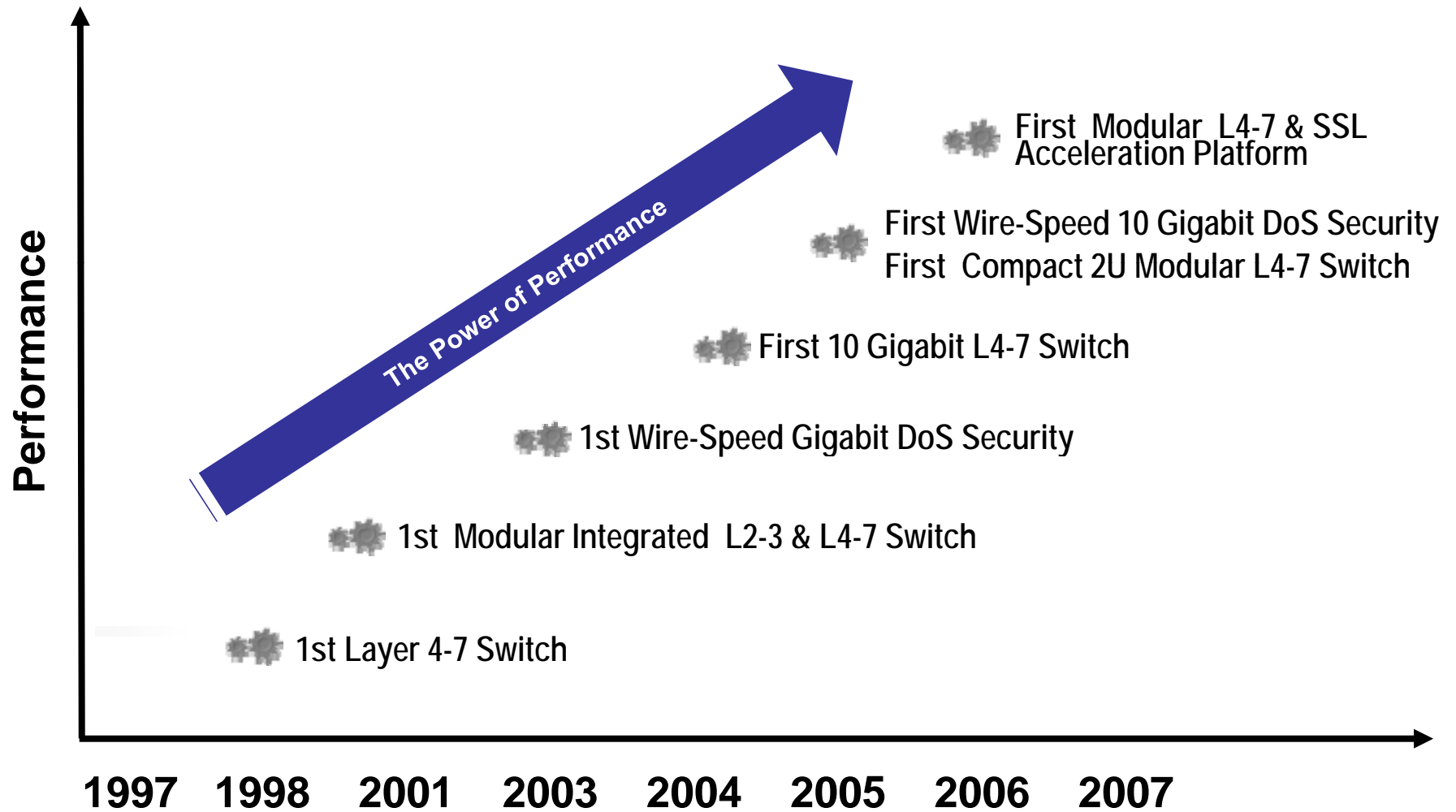


Foundry ServerIron Facts and Business Update

- 2,500+ Worldwide End User L4-7 Customers (13,000+ Total Foundry Customers)
- 56,000+ ServerIron's Shipped Worldwide Since 1998
- 43% of Worldwide Modular L4-7 Ports (2006 Dell'Oro)
- World's Largest L4-7 Consumers Use Foundry's ServerIron Product Family
 - **Service & Content Providers** : AOL, DoCoMo, Comcast, BellSouth, Yahoo, Siemens, Korea Telecom, AT&T, British Telecom, Baidu, Verisign
 - **Enterprises** : IBM, TIAA-CREF, Sun, Tyco, HP, Wachovia, First Union, Deutsche Bank, Warner Brothers, CitiCorp



The Performance & Innovation Leader





Foundry L4-7 Application Delivery Partners

Microsoft

Exchange & Outlook Web Access
Live Communications Server/OCS
Sharepoint
Internet Authentication Server

NAP
SecureIT Alliance

ORACLE

Database Server
Enterprise Manager
Application Server

PeopleSoft
Hyperion



WebLogic
Tuxedo
Aqualogic



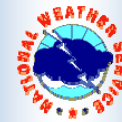
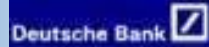
SAP Business Suite
--CRM & ERP
--Product Lifecycle Management
--Supply Chain Management



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Foundry ServerIron The Choice of the Most Demanding Customers





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Thank You

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