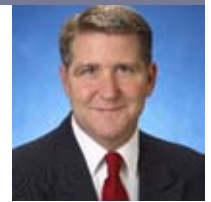


# Delivering Advanced Application Acceleration & Security



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Foundry has been a leader in the Application Delivery Controller (ADC) space for nearly a decade, with many of the industries largest and most successful customers relying on Foundry ADC products for the core of their business application traffic management, security, and optimization needs. These customers span a wide range of industries, including: Content & Service Providers, Trading, Financial, Government, Defense, Entertainment, Telecom, Technology, Insurance, and Education. Many of our key customers have very large Foundry installations that provide ADC solutions for critical business applications and infrastructure. With over 2,500 total ADC customers, Foundry also has many smaller and medium sized organizations that have come to rely on our ability to deliver fairly priced, high performance application management and optimization solutions.

Foundry pioneered the ADC market with the introduction of the ServerIron in 1998, winning Network Worlds' Infrastructure Product of the Year in the following year. Foundry has continued to innovate in this important product segment with specific focus on performance, application intelligence, security and reliability. Some industry firsts include:

- First modular and integrated L2-3 and L4-7 application delivery product
- First wire-speed Gigabit & 10 Gigabit Denial-of-Service (DoS) security
- First to market with compact 2U modular ADC platform
- First ADC platform with integrated Global Server Load Balancing (GSLB)
- First to market with L7 based cache switching support

Foundry is now in a new phase in the development of the ServerIron platform. We are now focusing on what the industry terms "advanced platform ADC" features and solutions. Foundry's just released TrafficWorks 10.0 software

is the industry's highest performing, scalable, and reliable advanced platform ADC product. This new software platform will provide the engine of growth for our continued leadership in the market.

## Foundry TrafficWorks 10.0 - Advanced Platform Application Delivery Controller

Foundry's TrafficWorks 10.0 software provides a wide range of AP ADC features that meets the needs of small, medium, and large organizations that require application traffic management and optimization. TrafficWorks 10.0 includes a number of advanced application features, including a sophisticated web application firewall capability, HTTP compression, policy definitions for content transformation and manipulation, rules support through our modular content switching framework, and HTTP optimization through TCP offload. ServerIron is able to maintain as many as 8 million IP prefixes in local memory to filter email using black and white address lists. In contrast, most competing products rely on remote list look-ups introducing significant delay for spam protection.

Continuing our commitment to innovation and maximum customer satisfaction, Foundry has added the following functionality to its ADC platforms over the span of the last 18 to 24 months:

- Hardware Based SSL Acceleration
- Total Content Analysis for Intelligent Load Balancing of any IP based application
- Web Application Firewall for Server Security
- SPAM Mitigation
- SIP Proxy/Registrar Server Load Balancing

- Rate Limiting for Enhanced Application Security
- HTTP Compression
- Dynamic Predictor for Load Balancing Based on Server Resource Utilizations

Additionally, Foundry has added a number of new platforms to the ServerIron Family, including

- Compact, Modular 3-Slot Switches
- Stackable, Compact and Feature-Rich 4G Family
- Higher Performing Web Switching Modules

Foundry customers are taking advantage of the ServerIron AP ADC solutions to deliver enhanced services to their internal and external customers. The ServerIron solution enables our customers to enhance the delivery and performance of their key applications and services, and maintain the high service availability that is required in today's information-driven economy.

### Application Traffic Management & Optimization Solutions

Foundry has demonstrated its strength in the application delivery market by providing seamless integration with leading business services applications, such as Oracle Application Server 10g, Microsoft Live Communication Server, BEA WebLogic and SIP Proxy/Registrar Servers. Foundry is also accelerating and securing some of the World's largest DNS services implementations. Additionally, the application focused features of TrafficWorks software have helped Foundry customers ensure optimal delivery of their FIX, Windows Terminal Server, and Web hosting applications.

### Foundry ServerIron and Oracle

Foundry's ServerIron product line provides a rich set of fea-

tures to work with Highly Available Oracle Application Infrastructure. Together, Oracle and Foundry have partnered to insure not only local and global high availability, but also provide integrated SSL acceleration via Foundry's ServerIron SSL offload capability. The ServerIron acts as an SSL proxy for HTTPS based connections for Single Sign On and DAS to accelerate performance. With a pair of ServerIron's, Oracle application availability is ensured with a hitless session failover capability.

### Highly Available IP Telephony Solutions

Foundry's ServerIron platform provides traffic management solutions for SIP based IP telephony solutions, including both SIP Proxy and SIP Registrar service. These SIP services and servers are extremely critical and fundamental to delivering any SIP-based IP communication service (such as voice, video, messaging, streaming, and data). Five 9's availability is a must, and scalability is a key factor in large organizations and service provider environments.

Figure 1 below provides an example configuration showing Foundry's ServerIron switches configured to provide load balancing and high availability to multiple SIP Servers. Note that this capability also applies to Microsoft's Live Communication Server infrastructure. This solution allows smaller, low cost servers to be clustered to provide SIP service, while still retaining the performance and reliability that are demanded of telephony solutions. In a Service Provider,

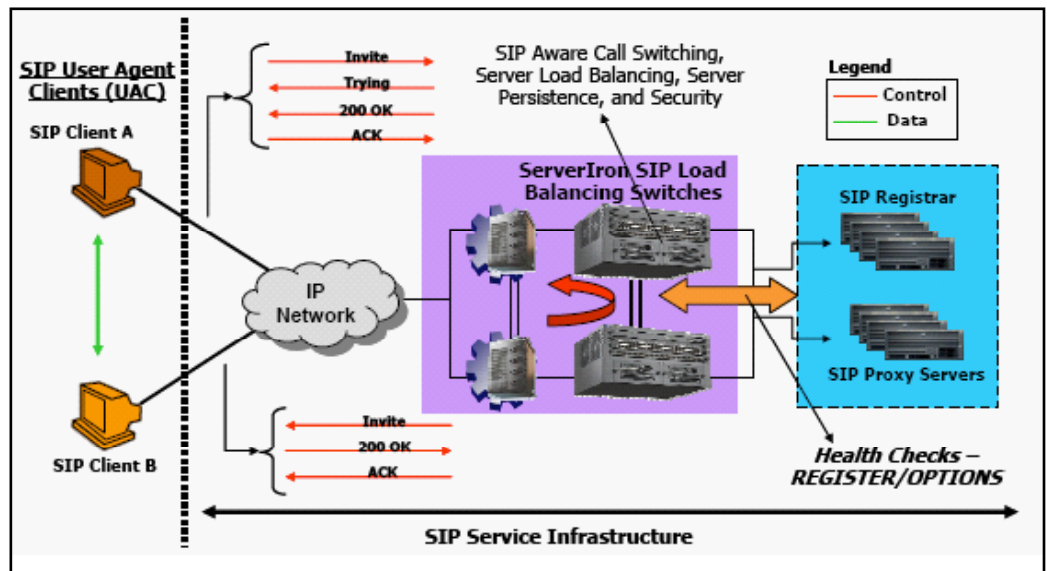


Figure 1: High Performance, Highly Available SIP Infrastructure with Foundry ServerIron

Softswitch environment, this same technique could be used to support higher end clustering, and provide much higher scalability for support of tens or hundreds of thousands of simultaneous communication streams.

### **Global Highly Available Application Traffic Management**

With growing reliance on IP based applications, many organizations are concerned about building always-available network infrastructures to ensure uninterrupted application access to their end-users. Foundry's Global Server Load Balancing (GSLB) solution is helping organizations achieve this goal and build fault tolerant networks that provide protection against data center failures. Empowered with Foundry's GSLB, many businesses have architected high availability in their networks by creating distributed server farms that are spread all over the world. In such designs, the end user requests are directed to the closest available server farm for optimal response time and best user experience and in the event of site failures, these requests are transparently redirected to the next available server farm. Foundry believes that multi-site redundancy and high availability are critical to business success and hence offers it as an on-box integrated solution unlike some of the other vendors in the market.

### **Summary**

Foundry Networks helped pioneer the application switch and delivery market nearly a decade ago. We have introduced industry-leading innovations that have enabled our customers to successfully scale their applications, as well as securing the infrastructure with hardware-based SSL and denial of service technologies. The ServerIron delivers a rich set of security and application level features and is being used by some of the largest data center operators in the world for advanced and highly reliable application and content delivery. Foundry has a unique set of advanced platform features, including compression, web firewall, advanced layer-7 content rewrite, SIP server load balancing, rate limiting, policy based load balancing, and the industry's most scalable, integrated Global Server Load Balancing.

Foundry will continue to work with application vendors, including Oracle, BEA, SAP and Microsoft to optimize its solutions for the new and emerging applications that will power tomorrow's enterprise organizations. We are committed to our customers' satisfaction and will continue to enhance and develop our ServerIron products to support our customers' future growth and application needs.

**For more information about Foundry Networks,  
visit <http://www.foundrynet.com/>**