OpenService and IBM BladeCenter – Advanced Security Log Management for Telecom Service Providers

Highlights

- *OpenService provides scalability and performance of full-log management requirements of large enterprises using an open and standards-based architecture*

- *OpenService provides advanced risk-weighted, real-time alerting*

- *IBM BladeCenter family provides a scalable, open standards based platform for next generation network applications*

Digital security has traditionally relied on log management to consolidate, correlate, filter, analyze and alert on events of interest from a wide range of security devices like firewalls, NIDS/HIDS, AAA, vulnerability management, antivirus, etc. In addition to security, log management is critical for Operations Management applications focused on fault and performance, service management and regulatory compliance management to name just a few.

Best-of-breed security solutions have long been the most effective choices for securing the enterprise. However, that approach has resulted in the deployment of a disparate set of products for firewall, intrusion detection, antivirus, vulnerability analysis and other network-centric security functions. This has led to gaps in protection and a high cost of ownership because of the need for multiple management consoles and a lack of integration.

Some of the challenges with dedicated security appliance solutions include updating the software and the cost of maintaining additional boxes on the network. Blade server products address many of the drawbacks of appliances and rack-optimized servers. The increasing number of security appliances, ranging from dedicated firewalls, VPNs, intrusion detection systems (IDS), SSL accelerators, gateway antivirus solutions and load balancers make the blades desirable for mid-market, enterprise and telecom use. Consolidating the solutions to a single network element dramatically reduces the management task (managing one box, as opposed to five); provides load balancing and failover support in a single solution, further reducing the number of solutions to be purchased; and improves performance.

OpenService InfoCenter provides a single solution for all of your log management needs. InfoCenter is an integrated event management product suite that delivers the performance, scalability and data accessibility needed for a wide range of applications, such as Security, Compliance, Network and IT Operations management. Log Center, the log archive and reporting

"The IBM BladeCenter with Red Hat Linux provides an excellent platform for our OpenService InfoCenter product suite. This platform provides the performance, scalability, manageability and investment protection our customers demand while delivering server consolidation and virtualization"

— Art Zins
Vice President
Business Development
OpenService

component of InfoCenter, uses an extremely efficient columnar database designed for high volume data warehousing and high-speed data analytic applications. ThreatCenter is for real-time security threat management. It uses a proven risk-based, finite state correlation technology to efficiently correlate high volumes of event data and make accurate risk assessments that are actionable by security administrators. The NerveCenter component is used for building or enhancing existing IT management systems. It can be used stand-alone and is often used with Tivoli Netcool to provide real-time, root-cause analysis of disruptions in services or performance.

OpenService InfoCenter is optimized for the IBM BladeCenter. This combination provides a superior blade computing platform for server consolidation, performance and a more manageable environment to achieve efficiencies of operation. InfoCenter builds on the benefits of the IBM BladeCenter to provide a cost-effective, highly reliable and modular security and compliance management platform.

OpenService InfoCenter, running on IBM BladeCenter, can yield significantly better protection from already deployed security systems with a demonstrable ROI.

Sample dashboard screen from web browser using OpenService InfoCenter
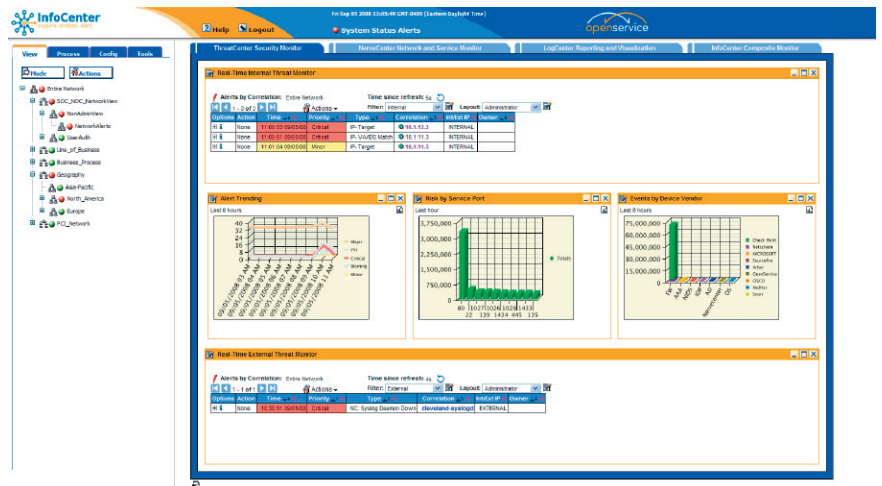
Source: OpenService

When coupled with IBM BladeCenter and/or IBM System x servers, the OpenService InfoCenter can cost-effectively scale to handle hundreds of thousands events per second; billions per day. It delivers a high-performance, low-cost of ownership log management solution with the reliability and availability that large enterprises and telecom service providers demand.

IBM BladeCenter family —
the IT and network convergence platform
The IBM BladeCenter T chassis provides hardware redundancy (power supply, I/O modules, management modules, L2 switching, mid-plane, etc.) thereby reducing potential points of failure in the solution.

The IBM BladeCenter is an advanced blade system which integrates servers, storage and networking into a single chassis — yielding significant simplification, improved density and potential TCO savings . A single family of common server blades, storage, I/O, switches and networking modules are fully supported and interchangeable across the family of BladeCenter chassis. The IBM BladeCenter chassis is designed as the ideal solution for data center deployments. The IBM BladeCenter H is for high performance computing platform, while the IBM

BladeCenter T chassis is specifically designed for telecom central office deployments.

The new, IBM BladeCenter HT — a new, telecom optimized version of the BladeCenter H — opens new market opportunities with a new and powerful NGN platform ideally suited for telecom equipment and service providers.

The IBM BladeCenter T and BladeCenter HT deliver rich telecommunications features and functionality, including fault-tolerant capabilities, hot-swappable redundant DC or AC power supplies and cooling, and built-in systems management resources. The rigorous Network Equipment Building System (NEBS) Level 3 and European Telecommunications Standard Institute (ETSI) outline requirements typical of telecom central office environments in the areas of electromagnetic compatibility, thermal robustness, fire resistance, earthquake and office vibration resistance, transportation and handling durability, acoustics and illumination, and airborne contaminant resistance. The IBM BladeCenter T and BladeCenter HT chassis meet the NEBS Level 3 / ETSI requirements[1].

IBM

**OpenService and IBM:
a powerful combination**

The combination of OpenService and the IBM BladeCenter family delivers the performance, reliability and affordability demanded by mission critical telecommunications applications. The IBM BladeCenter is the ideal platform for the deployment of these services providing a single platform to help reduce operating costs and complexity.

For more information

Learn how IBM Systems can help your company achieve more revenue and reduce your costs, while helping you keep your profitable customers.

Have questions? Contact the IBM Telecommunications team today on how we can help you take advantage of our extensive industry expertise. Please visit us on the web at:

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For more information about OpenService, visit:

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