

RioRey, Datatrend Technologies and IBM provide automated Distributed Denial of Service (DDoS) solution



Fully integrated solution helps stop DDoS Internet attacks in their tracks for constant and smooth business operations

Highlights:

- Helps prevent DDoS attacks from crippling the network with automated traffic handling tools
 - Protects mission-critical systems without introducing additional complexity and extensive management costs
 - Provides a comprehensive and flexible solution for organizations looking to streamline security and network protection measures
 - Helps eliminate threats that can compromise revenue opportunities, tarnish reputations and jeopardize compliance
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Distributed Denial of Service (DDoS) attacks can wreak havoc on a business. Increasingly sophisticated botnets and other malicious techniques can cripple transactions through networks and websites. The goal of these attacks is to target servers and other mission-critical components of the network, bombarding them with tremendous amounts of external requests so e-commerce transactions, website content, online accounts and other digital media traffic or network services are disrupted. If not adequately protected, the servers cannot distinguish malicious traffic from genuine requests and are often forced to shut down. The business costs can be astronomical. Attacks can lead to a weakened reputation, customer churn and substantial revenue losses while forcing companies to invest in costly IT fixes.

“DDoS attacks have been around for a number of years and have become the greatest online risk of a catastrophic outage that companies can face,” says Dan Vertrees, executive vice president of sales at RioRey, a specialist in Internet security solutions that protect against Denial of Service (DoS) and DDoS attacks. “Organizations in online retail, government, telecommunications, financial services, social media and other fields simply can’t go down. But at the same time, they can no longer rely solely on traditional security measures such as firewalls and intruder detection systems. They have to plan specifically for DDoS attacks with a solution that responds automatically, and without consuming massive amounts of manpower or triggering a round-the-clock emergency.”

Leading technology stops DDoS attacks before they hit

To help organizations avoid the potentially devastating effects of a DDoS attack, RioRey has teamed with system integrator Datatrend Technologies and IBM to provide its RG Series of DDoS Protection Solutions on IBM® BladeCenter® systems. The RG platform features two highly powerful DDoS Protection engines, the RG10 and RG20—the RG20 is capable of automatically protecting up to 20 Gbps of bandwidth at 28.4 million packets per second.





“The RioRey software application uses a unique approach to examine the behavior of huge amounts of incoming network traffic. It identifies both good packets and attack packets to filter out bad traffic,” Vertrees explains. “The system works either inline or off ramp with very little manpower required. With the powerful technology from RioRey, integrated with the IBM BladeCenter platform, customers can quickly and cost-effectively detect and mitigate DDoS attacks before they compromise the network.”

Innovative approach lets good traffic through

The RioRey filtering approach helps block DDoS attacks with minimal or no impact on the flow of legitimate traffic. The entire process takes place automatically, and it typically occurs

in less than two minutes. As a result, widely divergent and demanding applications, including high-reliability financial transactions, streaming media and high-performance, real-time online games, can be easily protected.

High-performance IBM BladeCenter supports rapid, data-intense processing

Running powerful security software in an environment where threats are constantly changing requires a robust platform. Through the collaboration of RioRey, Datatrend and IBM, the RG solution runs on IBM BladeCenter systems, which provide the performance and throughput to meet the needs of organizations of all sizes, anywhere in the world.

The IBM BladeCenter platform can handle the algorithms for today’s and tomorrow’s threats, without requiring a forklift upgrade later on. IBM BladeCenter comprises fully integrated blade servers, storage and networking to help reduce management complexity and increase performance and energy efficiency while significantly reducing costs. IBM BladeCenter servers offer modular scalability with excellent power efficiencies, pioneering cooling technologies and superior I/O performance and switches based on open technology.

RioRey uses innovative technology to examine the behavior of incoming network traffic and help prevent DDoS attacks before they infiltrate the network. Systems integrator Datatrend Technologies combines RioRey technology and IBM BladeCenter systems to provide an integrated solution that helps organizations quickly and cost-effectively detect and mitigate DDoS attacks before they compromise their networks.

“The RioRey RG solution brings together the innovative capability of RioRey, the power and performance of IBM BladeCenter, and Datatrend expertise in system integration to deliver next-generation DDoS protection for a broad spectrum of customers.”

— Alex Yost, Vice President and Business Line Executive,
IBM System x and BladeCenter



IBM BladeCenter

By running on IBM BladeCenter, the RG Series of DDoS Protection Solutions has the performance to filter DDoS attack traffic at a blazing 28.4 million packets per second. This level of performance helps ensure that data-intensive transactions—such as those typically used by telecommunication service providers, e-commerce sites and online banking services—maintain the lightning speeds that customers expect today.

All-in-one solution helps simplify management

Deployed as integrated software and hardware solutions, RioRey offerings combine the best-in-class appliance-building and integration services of Datatrend Technologies with the powerful, flexible IBM BladeCenter platform to deliver completely integrated solutions. Organizations benefit from a proven, virtually plug-and-play solution that is easy to install and operate within their environment, helping to protect the network while reducing total cost of ownership.

The bottom line

The combined expertise of RioRey, IBM and Datatrend Technologies has resulted in a fully integrated software and hardware solution that offers advanced DDoS mitigation capabilities on a best-in-class appliance. Datatrend Technologies has worked with both RioRey and IBM to help ensure the tight interoperability of RioRey software on the powerful and highly flexible IBM BladeCenter platform.

Now organizations have access to a completely integrated, real-time DDoS solution with industry-leading performance. Represented as a “single SKU,” the solution is easy to order and obtain quickly and cost-effectively, eliminating the need to purchase separate components and then integrate them on-site.

For busy organizations that rely on high-performance networks for mission-critical business operations, this means:

- Increased protection against potentially devastating DDoS attacks
- Improved productivity, efficiency and responsiveness by keeping the network up and running
- Reduced costs through increased flexibility and management ease
- Adaptability to business changes and new threats as they evolve
- Higher productivity due to fewer emergency response requirements
- Competitive total cost of acquisition and proven total cost of ownership

For more information

To learn more about the IBM BladeCenter, visit ibm.com/systems/bladecenter/hardware/servers

To learn more about RioRey, visit riorey.com

To learn more about Datatrend, visit datatrend.com



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Integrated Marketing Communications
Systems and Technology Group
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Produced in the United States
August 2010
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