IDBI Capital Ensures Reliable Digital Investment with Radware Alteon

CUSTOMER

IDBI Capital

INDUSTRY

Investment Services

CHALLENGES FACED

- Mission-critical reliance on digital channels
- Unpredictable 10-20x traffic surges during peak hours
- Server strain from SSL/TLS encryption tasks
- Complex SSL certificate renewals across multiple servers

WHY RADWARE ALTEON?

- Radware Alteon for advanced load balancing and traffic optimization
- SSL/TLS offloading to improve efficiency and reduce server load
- Centralized, simplified SSL certificate renewal process
- Bandwidth compression to optimize network usage

Overview

IDBI Capital, one of India's leading financial institutions, serves millions of customers with digital and mobile investment services. As online channels have become the primary means of access, ensuring availability, scalability, and secure encrypted traffic handling has become mission-critical.

To support this, the IDBI Capital relies on Radware Alteon as its core application delivery and load balancing solution. Alteon provides continuous uptime during peak usage, reduces bandwidth strain, and securely manages SSL/TLS traffic across multiple servers.

Challenges

IDBI Capital faced increasing demand on its digital infrastructure, especially during high-traffic periods. The majority of its customers depend on online and mobile as their primary channels, and sudden traffic spikes of up to 20x during volatile trading or peak service hours placed enormous strain on the system. In addition, servers experienced high utilization due to SSL/TLS encryption workloads. Managing SSL certificates across many servers was also time-consuming and complex, creating the need for a simplified and more efficient process.

Solution

- Radware Alteon for advanced load balancing and traffic optimization
- SSL/TLS offloading to improve efficiency and reduce server load
- Centralized, simplified SSL certificate renewal process
- Bandwidth compression to optimize network usage

Radware Alteon was deployed at the heart of IDBI Capital's digital ecosystem, delivering advanced load balancing and SSL/TLS offloading capabilities. By distributing traffic across multiple servers, Alteon ensured scalability during fluctuating demand and optimized bandwidth consumption.

IT Security Manager at IDBI Capital, remarked "*We can see there is a bandwidth compression, very much crucial for us, because we don't have that much bandwidth in the peak hour. Another feature is the SSL encryption decryption, which is handled by the load balancer. If we keep the SSL encryption on the server side, utilization will get high. With Alteon, that work is offloaded, and we don't have to install SSL on every server. SSL renewal is also very easy — within a fraction of minutes you can renew it immediately.*"

Beyond technology, the bank also leverages Radware Link, the global customer advocacy community that connects Radware users to share insights, discuss best practices, and learn from peers.

Benefits

- **Reliable Online Securities Trading:** Continuous uptime for customer-facing portals.
- **Scalable Performance:** Handles large, unpredictable traffic surges.
- **Optimized Bandwidth:** Compression reduces strain during peak demand.
- **Secure SSL/TLS Handling:** Offloads encryption, simplifies renewals, lowers server load.
- **Proven Stability:** Over a decade of trusted partnership with Radware.
- **Knowledge Sharing:** Active engagement in the Radware Link community.

> *Radware Link is a great platform for us. We can share experiences, learn from peers, and stay updated on best practices. It adds real value beyond the technology itself."*
>
> **— IT Security Manager, IDBI Capital**

Conclusion

With Radware Alteon, IDBI Capital ensures its online and mobile channels remain resilient, scalable, and secure. Alteon's load balancing, bandwidth optimization, and SSL/TLS management help the IDBI Capital deliver seamless digital experiences during even the most demanding traffic peaks.

Together with Radware Link, IDBI Capital not only benefits from reliable technology but also from valuable knowledge-sharing and global collaboration—strengthening its long-term digital strategy.

To learn more about how **Radware Alteon** can safeguard your organization.

Contact us now

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RWI 571 | 10.22.2025