

# Managed Security Services

## Equities and securities firm takes a proactive stand against DDoS attacks



### DDoS Dangers

As online banking has grown more popular, financial services firms face increasing security risks. A leading equities and securities firm in India is a prime example of a bank that had to innovate to enhance security.

The firm's IT department was growing increasingly concerned about repeated distributed denial of service (DDoS) attacks against its network.

DDoS attacks occur when hackers flood a network with spam email or deny network access to customers making it impossible to complete transactions. DDoS attacks have serious repercussions—bringing operations to a halt, losing revenue opportunities, decreasing productivity, and damaging business reputations.

### Threat Detection and Mitigation

Although an existing, firewall solution was installed, the equities and securities firm was determined not to fall prey to a massive DDoS attack that could cripple its network and halt online banking activity for hours or days.

The firm's IT department realized that building a DDoS mitigation solution would take time, expertise, and resources that were not available in-house.

Tata Communications, the existing network services provider, was already providing Colocation and Internet Access Services. Based on this relationship, the firm turned to Tata Communications for expertise in detecting and mitigating DDoS attacks.

### The Solution

Tata Communications' DDoS Detection and Mitigation Security Services provide application-layer analysis of all IP traffic traversing a company's global IP backbone.

By monitoring and analyzing customer traffic in real time, on a 24x7x365 basis, Tata Communications proactively notifies customers of actionable events, improving visibility into security and network availability.

Tata Communications' security analysts quickly determine the root cause of traffic changes, such as a usage policy violation, worm outbreak, or DDoS attack. This attack traffic is filtered in the Tata Communications' backbone before customer resources are impacted, resulting in optimum bandwidth utilization.



**CASE STUDY**  
Security

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## The Tata Communications Advantage

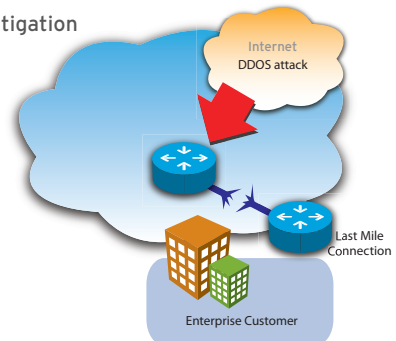
Recognized by telecommunications industry leaders for offering the most comprehensive network coverage for DDoS attacks, Tata Communications' DDoS Detection and Mitigation Service is housed in India's only domestic DDoS mitigation center.

These services were specifically designed to defend critical network infrastructure and business applications from frequent cyber attacks mounted on both Indian government and private computer networks.

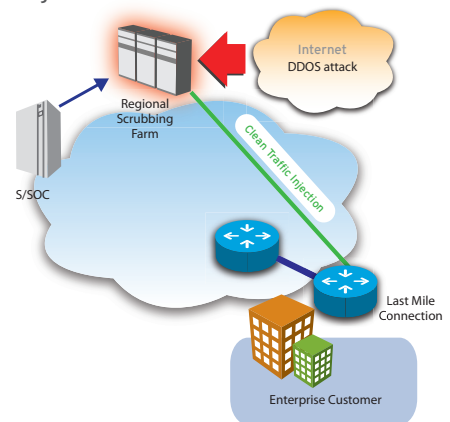
## Why Financial Services Firms Choose Tata Communications

- \_ First global service provider from India to achieve Cisco® powered status for Managed Security Services
- \_ Tata Communications has deployed the world's largest DDoS mitigation infrastructure
- \_ Full range of monitored and managed security solutions that are backed by aggressive, performance-based Service Level Agreements (SLAs)
- \_ Real-time security monitoring and management options at a fraction of the cost of in-house or competitive solutions
- \_ High-quality, cost-effective security services, which include premise and cloud-based offerings as well as professional services, enable Tata Communications to provide customers with security solutions on a global basis

Without Mitigation



With Mitigation



**For more information about Managed Security Services, please visit:**

[www.tatacommunications.com/contact](http://www.tatacommunications.com/contact) or email [security.solution@tatacommunications.com](mailto:security.solution@tatacommunications.com)

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