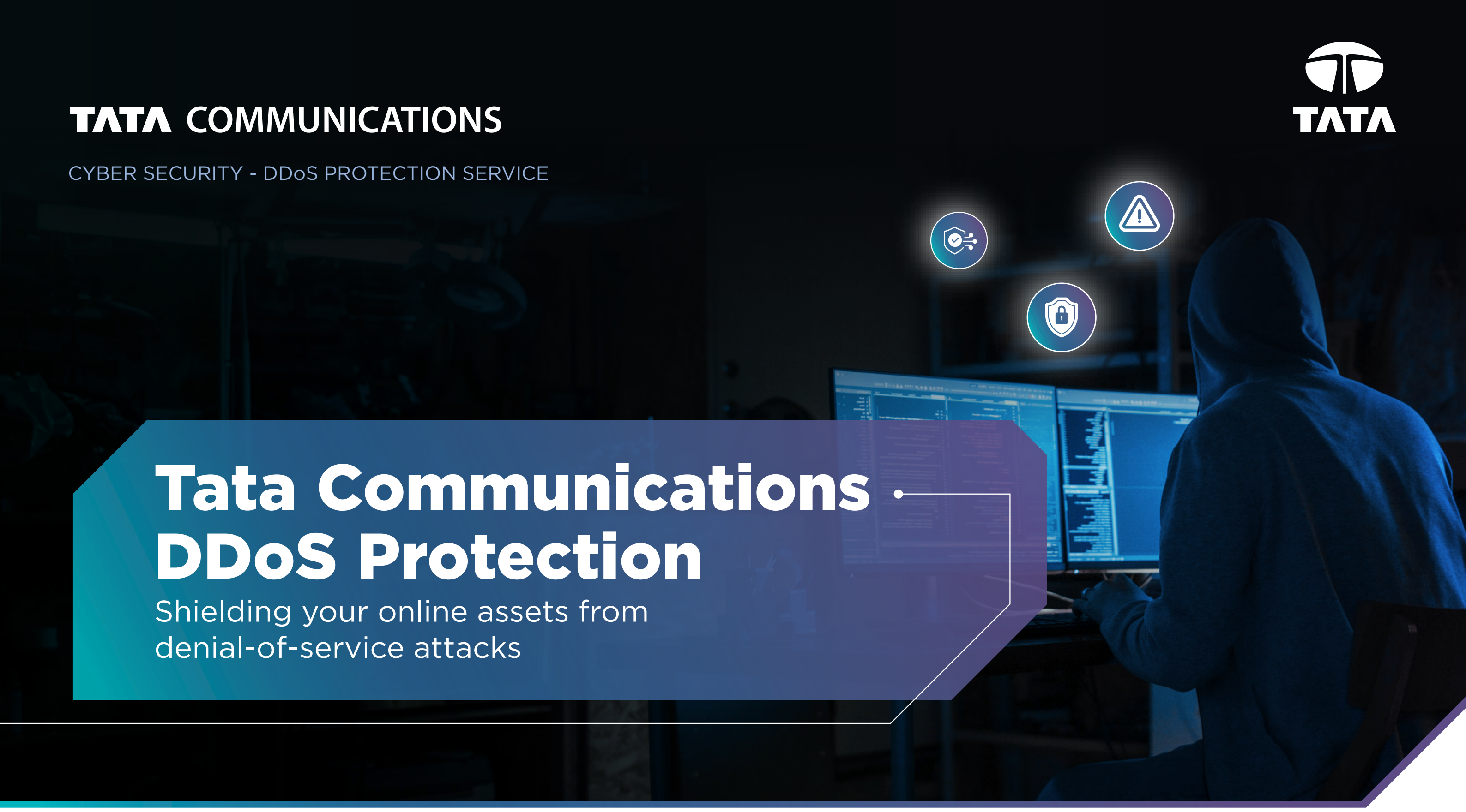
TATA COMMUNICATIONS

CYBER SECURITY - DDoS PROTECTION SERVICE



# Tata Communications DDoS Protection

Shielding your online assets from denial-of-service attacks

## The right detection and mitigation system is critical for stopping DDoS attacks from paralysing your business.

Distributed Denial of Services (DDoS) attacks are a growing threat that many organisations are not fully prepared to detect and thwart. In recent years, the frequency and scale of DDoS attacks have surged dramatically, posing significant challenges for industries worldwide. The proliferation of AI and Internet of Things (IoT) devices has fueled an 82% spike in DDoS attacks in 2024 alone[1]. Notably, the number of attacks exceeding 1 Tbps increased by 1,885% in Q4 2024[2], and application-layer DDoS attacks soared by 43% in the first half of 2024[3]. These attacks not only risk customer churn and weaken long-term loyalty but also have a detrimental impact on business performance and investor confidence. As such, the need for robust DDoS protection services has become more critical than ever to safeguard against these escalating threats and ensure the continuity of operations.

## Key highlights

- **AI/ML-powered** protection for smarter and adaptive threat mitigation
- **Tier-1 ISP** with global presence of 28 native DDoS scrubbing nodes across US, Europe, APAC and India
- **Enhanced detection and analysis** powered by our native Cyber Threat Intel (CTI) platform
- **35+** Tbps ingestion capacity to handle high volume attack traffic
- Proven **99.99%** uptime backed by successful mitigation of a **750+** Gbps attack with no service impact
- Auto mitigation in minutes with **zero-day DDoS protection**
- **Interoperable** DDoS protection platform securing **1200+ customer profiles**

## Tata Communications Solution

Tata Communications' DDoS Protection Platform is a purpose-built, native solution delivering robust cloud and hybrid detection and mitigation services for Layer 3, 4 and 7 DDoS attacks. Designed to keep your organisation secure and resilient against evolving threats like carpet bombing, it monitors network traffic in real time and identifies anomalies using native cyber threat intelligence. By precisely blocking only malicious traffic, our platform ensures uninterrupted availability of your network and applications for legitimate users — maximising uptime and business continuity.

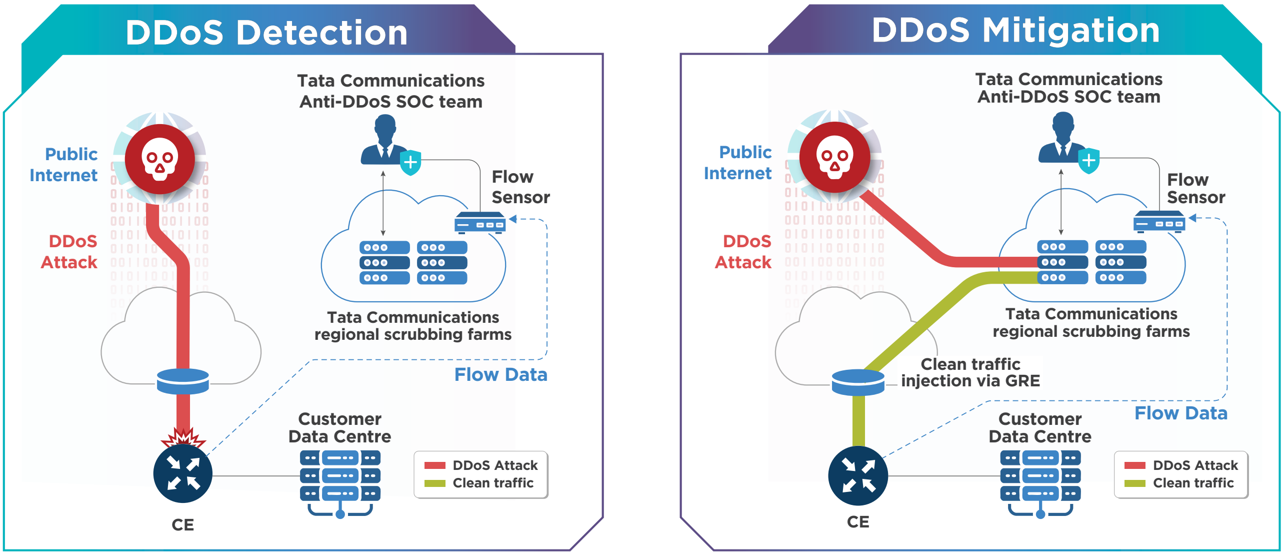


Fig. 1 Architecture and traffic flow

## Feature Overview

### Profile-based detection

To counter complex threats like Carpet Bombing while ensuring resilience, this solution leverages Network-wide monitoring to aggregate NetFlow data from multiple sites, providing holistic insights. It intelligently groups traffic by customer ID for precise detection and identifies **low-volume distributed attacks,** including multi-IP targeting, ensuring proactive threat mitigation.

### Network-based defense

While premise-based devices leave last-mile bandwidth vulnerable, our network-based DDoS service removes on-net and off-net attack traffic while on our global IP backbone.

### Comprehensive reporting

Customers have access to detailed traffic and alert reports, plus top protocol traffic summaries. New and enhanced portal with SIEM integration for improved visibility and customer experience.

### Support for VRF

With this feature's support, clean traffic delivery over Virtual Routing and Forwarding (VRF) becomes feasible without the need for establishing a Generic Routing Encapsulation (GRE) tunnel or relying on client CPE for on-net links.

### Advanced detection capabilities

In addition to built-in profiles of common attacks, our DDoS Detection service leverages AI/ML-based anomaly detection, host/subnet-level monitoring, and advanced behavioral analysis to identify ongoing threats.

### Rapid notification and mitigation

Supports automated and manual mitigation with cloud and hybrid architecture options, with continuous monitoring of traffic for anomaly detection, scrubbing of attack traffic with no black holing, and severity-based alert notification via email or the security portal.

### Industry-leading SLAs

Tata Communications assures performance and responsiveness of our DDoS detection and mitigation platform with industry leading SLAs. Customers receive attack notification within 15 minutes of identification, mitigation begins within 10 mins (for auto-mitigation option), and Disaster Recovery (DR) services ensure rapid crisis response.

### Flexible pricing models

Customers can select a pricing model that best fits their requirement based on fixed mitigation capacity, Internet Link Bandwidth, number of attacks or attack duration.

## Customer Benefits with Tata Communications

### SCALABILITY

Global Tier-1 ISP with 30% internet route share and native DDoS scrubbing presence

### MULTITENANCY

Isolated, policy-driven DDoS protection with customisable visibility

### RELIABILITY

Attack mitigated nearest to source to avoid customer impact

### INDUSTRY LEADING SLA

Auto mitigation within minutes of detection

### FLOW SPEC AUGMENTATION

Stops attacks at edge-routers itself

### STAFF EXPERTISE

24/7/265 protection by 300+ certified security professionals

### EASE OF USE AND VISIBILITY

Comprehensive reporting for forensic analysis with threat intel feeds

### SECURITY COMPLIANCE

Anti-DDoS SOC services aligned with security standards

ISO 27001:2013, ISO 20000:2018, SOC1 Type 2 and SOC2 Type 2

## Awards and Recognition

Everest Research: PEAK Matrix® for MDR Services 2025

Everest Group RESEARCH

IDC 2024 Asia/Pacific MSS and PSS Marketscapes

IDC Analyze the Future

ISG Provider Lens™ Study: Cybersecurity - Solutions and Services 2024' - U.K

ISG

KuppingerCole 2024 Leadership Compass for MDR

kuppingercole ANALYSTS

Avasant Cybersecurity Services 2024 RadarView™

AVASANT EMPOWERING BEYOND

Global Infosec Awards 2024 for Best Solution Network Security Services

GLOBAL INFOSEC AWARDS WINNER CYBER DEFENSE MAGAZINE 2024

*Source:*
*(1) IoT Business News (2) Cloudflare Q4 DDoS threat report, (3) Netscout H1 2024 DDOS threat report.*

**For more information, visit us at www.tatacommunications.com**

CONTACT