

TATA COMMUNICATIONS SECURITY SERVICE EDGE (SSE)

Secure private apps, users, and internet traffic with an integrated and managed Security Service Edge

The cloudification of applications and hybrid working has moved private apps, users, and data outside the corporate network. These resources are spread across data centers and multi-cloud estates and can be accessed remotely, leading to a huge spike in internet traffic. However, legacy architectures cannot support this technological shift as they are rigid and designed around physical offices. Traffic backhauling slows down secure access and fails to scale remote working.

Moreover, traditional security architectures are inadequate to manage the 600% spike in cloud-based, network-based, and web-based threats¹.

KEY HIGHLIGHTS



A single vendor SSE platform with integrated architecture

for ZTNA, CASB, SWG, DLP, and FwaaS



Secured internet traffic

with real-time protection from web-based threats and malicious websites



Application-based segmentation

for business apps to escalate security



Unified threat visibility

across HQ, branch offices, and remote users with actionable insights into security asset inventory

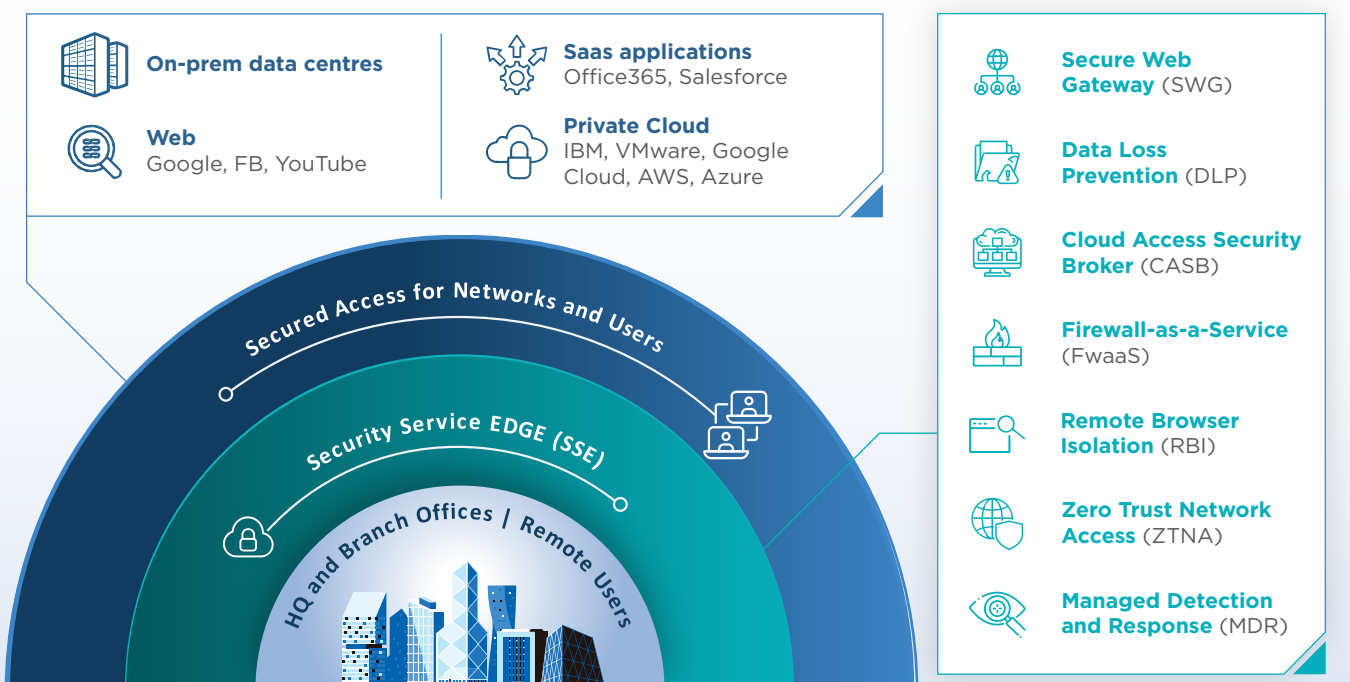


Cloud-delivered scalable security

without backhauling, for seamless user experience and control

Tata Communications SSE simplifies security and improves its effectiveness by bringing the Security Service Edge closer to the user for better visibility and control. We provide a single-pass architecture that secures private apps, users, and internet traffic from web, cloud, and network-based threats. The integrated platform unifies security architecture by converging SWG, CASB, ZTNA, FwaaS, RBI, and DLP, simplifying security management. Additionally, our MDR capabilities offer continuous monitoring and accelerated response to minimise lateral threat movement with a proven track record of resolving critical incidents in under 33 minutes. The cloud-native platform is hosted on global SLA-backed network POPs that scale with evolving threats, internet spikes, and remote working demands.

TATA COMMUNICATIONS SECURITY SERVICE EDGE (SSE) PLATFORM



¹ - Cloud adoption and WFH report, McAfee

EMBARKING THE SSE JOURNEY



Value Delivery with Tata Communications SSE Services Approach

With Tata Communications, get started on your SSE expedition, with design, deployment, and operation of SSE, from Day 0 through Day 2. The journey starts with evaluating the enterprise landscape for SSE readiness in terms of investment, architecture and technology selection. This is followed by Day 1 services where our experts help discover and design the transformation approach and facilitate the configuration, provisioning, migration and integration services. Finally, during the operate or Day 2 phase security monitoring and management is enabled with custom support, reporting and periodic service improvement plans that helps enterprises stay up-to-date on their security posture and take preventive measures to avoid security incidents.

KEY USE CASES

Tata Communications SSE solution simplifies security and improves effectiveness.



Protect Remote and Hybrid work force

Challenges

Traditionally, rigid network-level constructs such as IP tables, ACLs, network segmentation, and Virtual Private Networks (VPNs) were used to provide remote access. Unfortunately, this approach creates security complexities, traffic backhauling that degrades performance, a lack of centralised management, and a massive attack surface for lateral threats across the corporate network.

Solution

Based on the principles of Zero Trust, Tata Communications SSE provides secure and optimised access. The solutions enforce application-level micro-segmentation while continuously monitoring traffic, detecting and blocking suspicious behavior. In addition, the cloud-native architecture scales seamlessly to meet remote working demands, simplifies security architecture, and shrinks the attack surface.



Secure Cloud Migration

Challenges

Enterprises are concerned while migrating workloads and services to the cloud. Lack of consistent security posture across multi-cloud environments creates security gaps. This further escalates with regulated data being processed in the cloud, and there is limited visibility and complex management through multiple Cloud Service Providers (CSPs).

Solution

Tata Communications SSE accelerates cloud migration by enforcing consistent security while moving on-premises assets to the cloud. The solution automates policy enforcement for migrating workloads. It can discover data, provide insights into its usage, and regulate data access, resulting in a consistent security posture across multi-clouds, while providing data governance.



Accelerate the MOVE to SASE

Challenges

Digital-first enterprises are reevaluating their network and security architectures to address the anytime, anywhere connectivity. The traditional MPLS-heavy, hub-and-spoke network architecture fails to meet network demands. At the same time, fragmented security architectures struggle with complexities and ineffectiveness across the multi-vendor and hybrid landscape.

Solution

With Tata Communications, enterprises can adopt a single vendor SASE platform. The solution converges network and security architectures into a single, easy-to-use, flexible deployment model. Our self-healing network and adaptive security help meet shifting digital business needs without compromising security. Our SASE capabilities are augmented by fully managed, SLA-backed network and security services.



WHY TATA COMMUNICATIONS SSE?

-  Delivered error-free transformation with rapid value realization by **enabling secure hybrid working for 50k+ remote users** with a seamless user experience
-  Successful SSE deployments and management ensuring **650k plus users across 5000+ sites** have seamless access to critical applications
-  **Proactive protection** by blocking threats in real time with Integrated cyber threat intelligence
-  Superior service assurance based on **750+ certifications** acquired by our highly skilled security staff
-  Improved business resilience with HA and site-level redundancy, offering **industry-leading SLAs and 24*7 support** with flexible deployment and commercial models
-  Over **9.5 billion potential threats analysed every day** for accurate lateral threat detection and accelerated response via native SOAR integration
-  **Unified threat visibility and control** through inhouse web-based portal
-  **Focused center of excellence for SSE innovation** with successful testing of 40 plus use cases and features



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

[Schedule a consultation](#)

