

**INFOSYS SECURE  
ACCESS SERVICE  
EDGE (SASE)  
OFFERING –  
ZSCALER**

Infosys  
cobalt



With enterprises transforming to cloud first, internet first and boundaryless architecture strategies, traditional on-prem security, limited internet breakout, and high-cost WAN/MPLS are proving to be constraints in realizing these strategies. Vibrant workplaces, cloudified applications and, digital transformation are demanding simplified and secured access from any device, any application and anywhere.

As internet has become the new enterprise transport, it is extremely difficult to manage user access to enterprise resources securely and efficiently. The traditional castle and moat approach to secure crown jewels is proving ineffective and expensive because most of the IT assets and people have moved outside of the IT perimeter. The perimeter as we knew doesn't exist anymore. Unprecedented events such as the pandemic has further accelerated the need for an effective, efficient, easy to administer, and user-friendly security control mechanism for users and machines allowing seamless connectivity from anywhere across the globe.

## Need for Security on Edge

Moving workloads and applications on cloud (public or private) seems inevitable. Backhauling all the traffic to datacenter for security controls is not only adding latency but is also proving to be impractical and costly. Legacy security controls are inelastic and expensive to scale.

Standardization of security controls is critical to ensure the users are protected from advance threats and zero-day exploits. Users working from home, branch or any other location should have seamless experience and standard controls which are easy to deploy and manage by the security admin.

Building a Zero Trust Network Access (ZTNA) mechanism is the need for the hour. Built on least privilege access control policy, ZTNA is the key to secure user access. This can be provided over a secure internet edge avoiding heavy investments on appliances and gears at the datacenter.

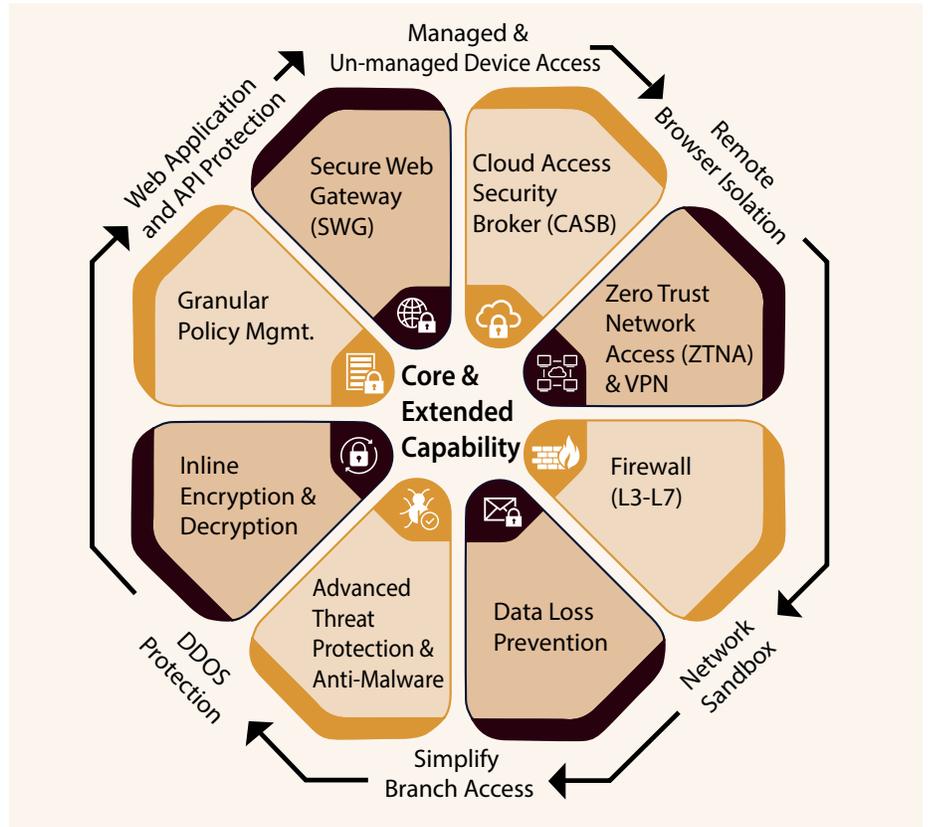
## Infosys SASE

Infosys offers Secure Access Service Edge (SASE) that provides Zero Trust based access by leveraging best of breed solutions and making it more contextual to bring specific use cases for our clients. It enables enterprise IT resources hosted on cloud and data center to be accessed securely from anywhere.



## SASE Offering Features and Capabilities

Infosys SASE solution delivers comprehensive cloud security capabilities in addition to eliminating traditional and high cost on-prem solution components such as firewall, proxy and VPN gateway. With the Infosys SASE offering, we deliver end-to-end zero trust security, minimize threat posture and maximize user experience.



<b>Secure Web Gateway</b>	URL filtering   Enforce policy control   Application control   Remote browser Isolation
<b>Cloud Access Security Broker (CASB)</b>	Protect sensitive data   Threat protection   Greater visibility
<b>Zero Trust Network Access</b>	Identity-based   Micro segmentation   Posture validation
<b>Firewall</b>	Deep packet inspection   Intrusion prevention   App level
<b>Data Loss Prevention</b>	Pattern and keyword matching   Integrate with SIEM   Cloud-based
<b>Advanced Threat Protection &amp; Anti- Malware</b>	Real time visibility   Context aware   Data awareness
<b>Inline Encryption</b>	Secure data in motion   Enhanced user experience
<b>Granular Policy Management</b>	Location or device specific access control policies   Cloud-based

## Infosys SASE Offering Highlights



### Zero Trust Network Access

Enhanced security capabilities with cloud centric security controls applied with Zero Trust Network Access (ZTNA) architecture that eliminates high cost and complex on-premise security solution controls/devices



### Security as-a service model

Security as-a service model – Enables to scale the controls and extend security to users at all situations. Eliminates any captive overloads bringing agility in the overall security posture.



### Standardized and simplified

Standardized and simplified security standards and policies enforced across the organization with unified interface and visualized through a single pane of glass with real-time telemetric view



### Enhanced user experience

Enhanced user experience due to light weight agent on device, minimized network and security interventions, improved latency with optimized routing and granular policy implementation

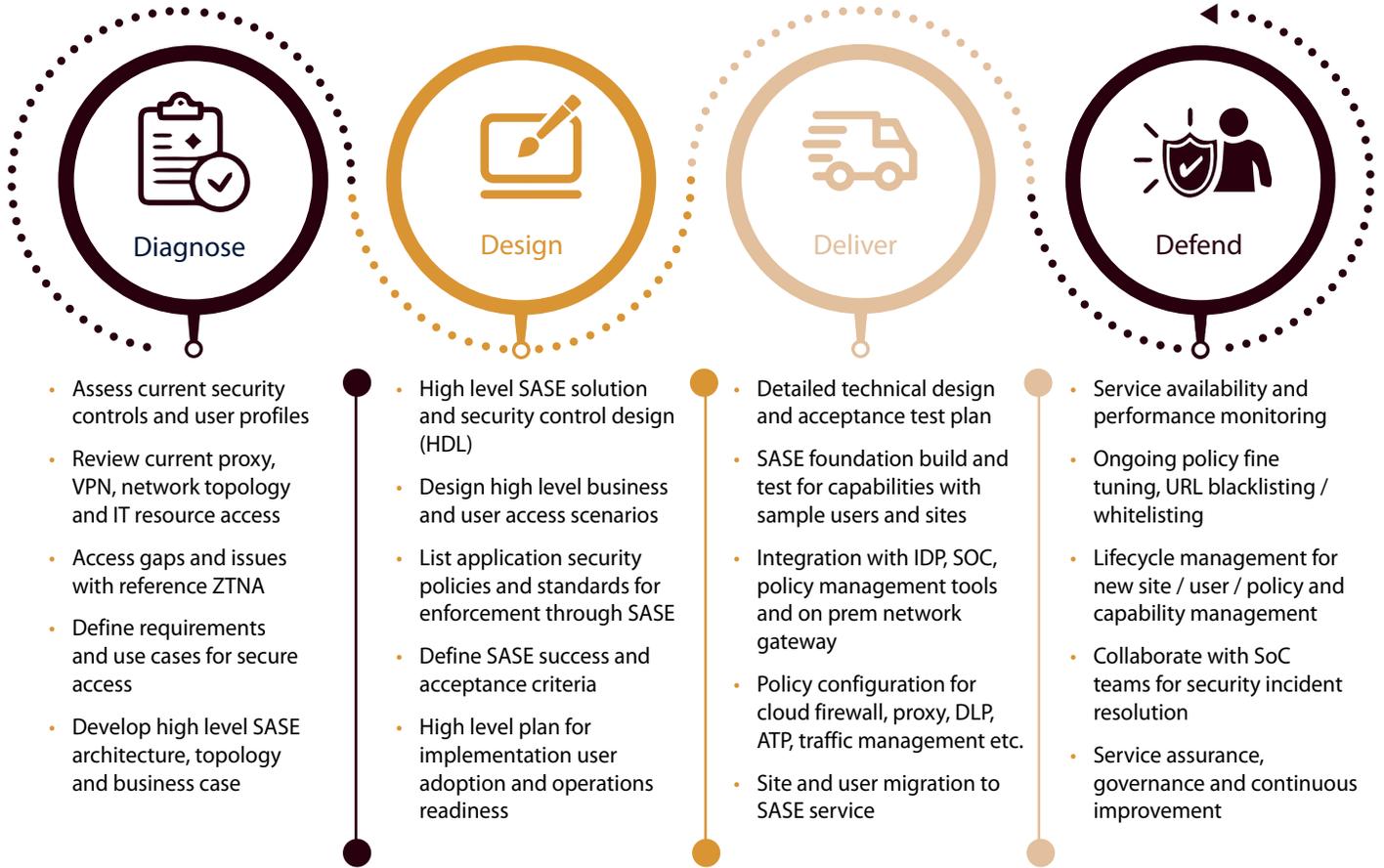


### Network simplification

Network simplification by reducing WAN/MPLS complexity, backhauling and driving internet first culture

## Comprehensive Services Aligned to 4D Methodology

We have invested and built a large talent pool and ready to deliver, reusable assets in SASE solution which are aligned to our 4D approach – Diagnose (consulting), Design (HLD & LLD), Deliver (deployment & migration) and Defend (operation and optimize).



## Strategic Partnership

Technology, architecture, and global coverage are the key considerations for SASE adoption. We have a strong global strategic relationship with Zscaler a leading SASE technology provider. As one size does not fit all, we adopt the client first approach to assess the current state, use cases, and then propose a potential fit for purpose solutions.

## Why Zscaler SASE?

In the SASE Zscaler Cloud Security Platform, the SASE service is built from the ground up for performance and scalability. As a globally distributed platform, users are always a short hop away to their applications, and through peering with hundreds of partners in major internet exchanges around the world, Zscaler ensures optimal performance and reliability for your users. Today,

more than 400 of the Forbes Global 2000 organizations trust Zscaler to lead them into the digital era, securely. Because of its time in the market, Zscaler has proven its architecture was built to scale, currently processing up to 120B+ transactions at peak periods and performing 175K+ unique security updates each day. The Zscaler SASE architecture is delivered across 150+ data centres globally, ensuring that users get secure, fast, and local connections no matter where they connect.

## Key Capabilities



### A cloud-first architecture

The Zscaler SASE architecture helps accelerate cloud adoption by removing network and security friction through a consolidation and simplification of IT services. Without the need for device management and separate services, Zscaler offers a frictionless and transparent experience for users and standardization across locations for the IT team.

### Full inline SSL inspection at scale

With majority of traffic encrypted today, you need a proxy-based architecture that can scale for effective threat protection and data loss prevention



### Application peering and optimization

Zscaler globally peers at the edge with leading application and service providers and optimizes traffic routing to provide the best user experience

### Zero Trust Network Access

Zscaler provides a user- and application-centric approach to application access. A fully cloud-delivered service, Zscaler provides native app segmentation by using business policies to connect an authenticated user to an authorized app without bringing the user on the network.



### Zero attack surface

Adversaries can't attack what they can't see, which is why the Zscaler architecture hides source identities by obfuscating their IP addresses and avoids exposing the corporate network to the internet

## Secure Access Service Edge

Compute at the edge – fast, peering



## Zscaler SASE Benefits



**Reduces IT cost and complexity**

Easy to deploy and manage as an automated, cloud-delivered service that scales



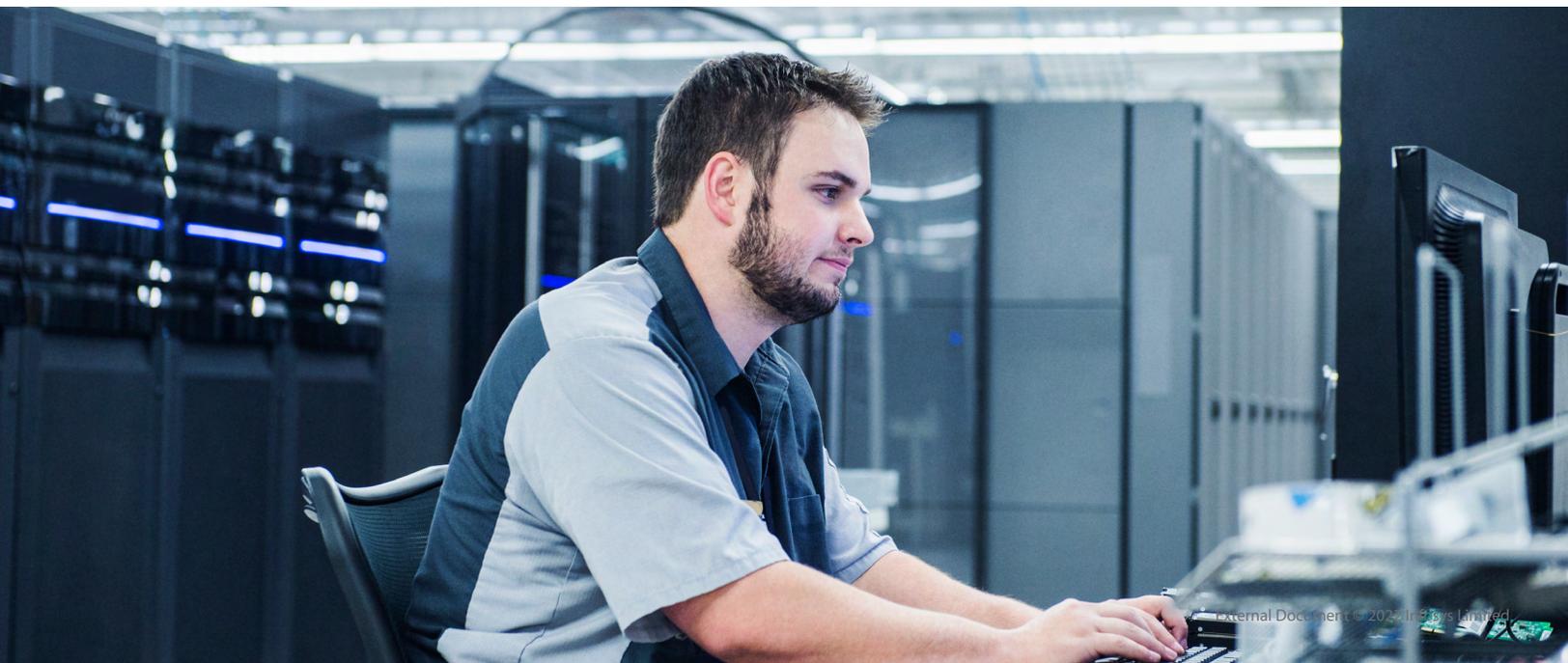
**Delivers a great user experience**

Brings security and policy close to the user to eliminate unnecessary backhaul



**Reduces risk**

Inline inspection of encrypted traffic at scale for threat protection and data loss prevention



Infosys Cobalt is a set of services, solutions and platforms for enterprises to accelerate their cloud journey. It offers over 35,000 cloud assets, over 300 industry cloud solution blueprints and a thriving community of cloud business and technology practitioners to drive increased business value. With Infosys Cobalt, regulatory and security compliance, along with technical and financial governance comes baked into every solution delivered.

For more information, contact [askus@infosys.com](mailto:askus@infosys.com)



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