



# IBM Security Services for SASE

Drive digital business with SASE, accelerated and managed by IBM at a pace that suits your organization

The need for organizations to enable secure anytime, anywhere access from any device has rapidly accelerated. Reliable and secure application access in hybrid cloud environments is an absolute necessity today. Many IT and security leaders need to implement a digital transformation to simplify, save costs and accelerate their journey to cloud. To facilitate this transformation, the secure access service edge (SASE, pronounced “sassy”) framework converges cloud-based networking and cloud-based security into a single approach. SASE brings together technologies like secure web gateways (SWG), zero trust network access (ZTNA), firewall as a service (FWaaS), cloud access security broker (CASB), and data loss prevention (DLP), as well as network security services, like software-defined wide area networking (WAN) and policy-based routing, into a single, cloud-delivered service model.

## Challenges of adopting SASE

Organizations need to work through many cultural, technological, and strategic considerations before adopting a SASE solution. The organization may have siloed network and security functions and strategies that need to converge. Organizations also face difficulty integrating SASE into a broader zero trust and cloud security program, and policies need to be centralized for more visibility and context.

## Highlights

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- Accelerating SASE adoption by overcoming challenges
  - Roadmap to SASE maturity and zero trust security
  - Business driver focus to enable goals and objectives
  - Accelerated transformation at a pace that suits your organization
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## How IBM Security Services can help

IBM Security can help organizations transform their network security, applying zero trust best practices tailored to dynamic business needs. An end-to-end SASE solution by IBM Security includes advisory services, design and integration, global managed security services, application onboarding and zero trust embedded for more context, visibility and insight.

SASE and cloud specialists help to address implementation challenges by creating a phased adoption plan grounded in zero trust best practices. IBM Security delivery experts help to create governing processes and align policies to facilitate transformation.



Build a SASE adoption roadmap at a pace that suits your organization

IBM Security then collaboratively works with clients to align organizational business drivers, such as remote access, secure application access, mergers and acquisitions, and the journey to cloud transformation, to a desired SASE maturity outlined previously.



## **Business drivers to help accelerate SASE adoption**

IBM Security Services supports transformation with end-to-end network security anytime, anywhere.

### **Hybrid workforce access and VPN replacement**

IBM can architect a zero trust network access solution which will replace outdated VPN connectivity, enables increased protection and faster, seamless user experiences.

- Remote users can access applications and data in multi-cloud environments and minimize risk of data loss
- Faster and more seamless user experiences when accessing applications and resources from anytime, anywhere

### **Secure 3rd party access and Mergers & Acquisition acceleration**

IBM can develop a solution that allows organizations to define and extend internal workforce policies to contractor and third-party users, as well as accelerating mergers & acquisitions.

- Equivalent level authentication for contractor and third parties
- Protected cross-company collaboration by providing access management and restriction at scale
- Individual policies per user, group and application
- Integration of Identity Providers (IdP) ensures fast business-as-usual operations without major disruption for either party during mergers & acquisitions
- Access management utilizing both companies' existing identity provider solutions
- Smooth transition, faster access and easy network integration for both or multiple companies



## **Secure cloud, digital, and network transformation**

IBM can help organizations transform their enterprise from a traditional model to a cloud-based framework as part of their overall SASE implementation strategy.

- End-to-end network security from the edge to the cloud
- Seamless cloud-based networking integration (FWaaS and SD-WAN)
- Cost-savings through internet offloading and lower latency
- Integration and change management of SASE solution with complex customer environments and operational systems

## **Cyberthreat protection**

IBM can help organizations protect against cyberthreats, such as ransomware or wipe-out attacks.

- Holistic threat detection and response throughout all domains (on-premise, Private Cloud, Public Cloud, SaaS)
- Faster time-to-recovery in case of attack through response across all domains
- Flexible options for threat integration (IBM-managed, client-managed, threat insights delight)
- Reduced threat surface by isolating users and applications and making them invisible to attackers

## **Data protection**

IBM can help organizations secure their data from internal or external threat actors through a combination of preventive technologies.



- Configuration of in-line CASB and DLP policies for users, servers, workloads, IoT and OT Systems
- Configuration of out-of-band CASB APIs and RBI policies
- Managed Services help prevent false positives

## **5G, Edge and IoT protection**

IBM can help enable edge computing to receive branch-to-cloud protection and organizations can use integrated edge computing security from the complete SASE solution

- Edge computing: branch-to-cloud protection
- Integrated edge computing security enabling additional IoT use cases

Finally, your transformation is supported by IBM Security at a pace that suits your organization. SASE doesn't have to be a rip and replace model. IBM Security can help integrate existing tools into a simplified network security architecture. The breadth of IBM Security's zero trust and cloud security expertise coupled with strong management and advisory can help drive a successful implementation.



## **Why IBM Security Services for SASE?**

IBM Security Services for SASE enables your users and third parties to securely access applications, remotely and in the cloud, anytime and anywhere. IBM Security can advise you on your current and designs, implements, and manages the Zscaler solution, helping you accelerate your network security transformation, strengthen zero trust security posture as well as continuously protect access to key enterprise applications.

## **Benefits IBM Security can deliver**

- Agile business driver approach with modern platform
- Faster design and implementation with zero trust best practices, assets and methods
- Implement zero trust security across your infrastructure to address critical business and security requirements
- Systematic policy analysis, design and migration
- Consolidate multiple point networking and security solutions into a comprehensive end-to-end Zscaler solution, significantly improving the user experience
- Dedicated security team to support your teams
- Create your organization's transition plan and provide ongoing management services
- Regular program governance reviews, strategy recommendations and continuous improvement
- Onboarding factory for key enterprise applications
- SASE is available via the X-Force Protection Platform (XPP), providing a common security layer across all IBM Managed Security Services and enabling Zero Trust insights at scale.



## Customer success story

*IBM Security helps a global materials science company reduce their network spend and improve usability by implementing a zero trust solution based on Secure Access Service Edge (SASE).*

### **Situation**

A global chemical manufacturer needed a security solution that scales across their diverse and complex network, covering 160+ countries, 300+ locations and more than 45,000 users.

### **Solution**

IBM Security implemented a zero trust approach based on an end-to-end SASE (Secure Access Service Edge) solution, helping the customer to:

- Accelerate the transition to SD-WAN, helping the customer to fundamentally decrease their network spend
- Replace legacy VPN with zero trust network access (ZTNA) to safeguard remote access of all users
- Protect your users access to the public cloud, allowing for a frictionless access to critical assets

IBM Security partnered up with a SASE technology market leader and provided consulting and managed services to integrate the solution within the customer's existing environment, as well as create a single-pane-of-glass view with IBM Managed Security Services, enhanced with machine learning and artificial intelligence to accelerate detection and response.

### **Results**

Dedicated managed services from IBM Security reducing operations cost by over 50% and providing continued transformation support. Zero trust architecture protects critical private resources from the internet, provides multi-factor authentication, least privileged user access and device micro-segmentation.



## Why IBM?

IBM Security offers one of the most advanced and integrated portfolios of enterprise security products and services. The portfolio, supported by world-renowned IBM Security X-Force® research, provides security solutions to help organizations drive security into the fabric of their business so they can thrive in the face of uncertainty.

IBM operates one of the broadest and deepest security research, development and delivery organizations. Monitoring more than one trillion events per month in more than 130 countries, IBM holds over 3,000 security patents. To learn more, visit [ibm.com/security](https://www.ibm.com/security).

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## For more information

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