whitespider®

Secure Access Service Edge Managed Service

Easily manage your network and enable it to deliver against modern demands expected by your customers and employees.

Navigating the challenges of network security beyond the data centre

With modern applications increasingly moving from to the cloud, and users accessing services from any anywhere, the enterprise edge becomes blurred – or even disappears. As a result, network security can no longer confined to the data centre but shifts away from the traditional perimeter-based model, requiring a different distributed approach.

Secure access service edge (SASE) is an architecture that looks to address the challenges of the modern workforce. SASE combines network security and SD-WAN capabilities to provide consistent, secure access to an increasingly distributed, mobile workforce without taking on more complexity.

The SASE architecture, with cloud-native security functions, such as secure web gateways, cloud access security brokers, firewalls, and zero-trust network access provide organisations with the ability to:

Connect and secure access
For all locations, remote workers, devices, workloads

Optimise Performance
With the fastest, most reliable, and secure path

Adopt zero trust network access
By verifying user identity and health of devices, for every session

Deliver best app experience
With end-to-end observability to resolve anomalies from users to apps, over any network or cloud

Make your business more agile
By leveraging the cloud to remove complexity and provide immediate, global scalability

Typical SASE Use Cases

SASE is a significant architectural shift. However, a SASE investment shouldn't start with architectural requirements. It should start by identifying the use cases that make the most sense for your business. Here are four areas where SASE is finding a home in an overall IT strategy.

Branch Office

SD-WAN delivered performance and cost benefits of a direct internet access model. Such a model increases the need for services like firewalls, intrusion prevention and URL filtering at every branch office. The SASE architecture allows teams to scale branch security by connecting offices to nearby cloud gateways. Security teams can apply policies from a centrally managed location in the cloud enhancing operationally efficiency and reducing performance bottlenecks.
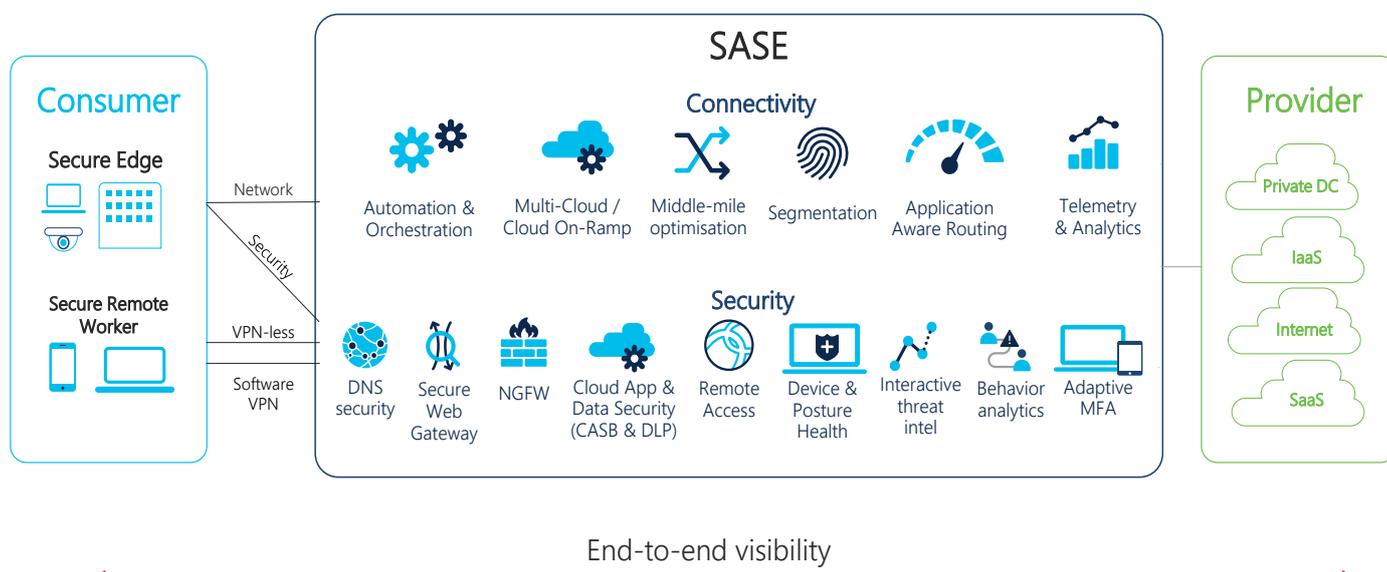
Remote Worker

Remote work is now normal for most organisations, providing workers with greater flexibility, and often enhanced productivity. To meet the challenge of protecting employees beyond the traditional perimeter a SASE architecture allows employees to safely access managed and unmanaged applications, cloud services, websites, and proprietary applications in the public cloud and in private data centres.

Defending Against Malware

SASE architectures prevent malware from spreading across organisations' managed SaaS, IaaS, and on premises applications. They block threats in real time as they are uploaded to applications or downloaded to devices, and remediate threats already at rest by crawling apps' contents.

Zero trust

Zero trust is another critical aspect of SASE. SASE architectures with ZTNA are designed to extend true, zero trust secure access to specific on-premises resources (rather than open access to the entire network). Ideally, these solutions forgo the use of private data centres and hardware appliances, and are deployed in the public cloud for scalability and performance.

Bringing expertise, innovation and flexibility to your SASE solution

WhiteSpider's managed services enable you to rapidly access the benefits promised by SASE, whilst taking out the risk and cost. Our experts will design, configure and manage your fabric with your capabilities and objectives in mind, ensuring you can meet business outcomes and prepare your infrastructure for the future.

Real time and proactive management and monitoring
Building on the capabilities provided by SASE solutions, our monitoring and management gives visibility into the entire infrastructure, from the physical underlay to the application overlay.. Custom developed for managing SD solutions, it provides real-time information and historical network and application behaviour data, enabling customers to manage capacity, troubleshoot and undertake network planning.

Agile Support: Support When You Need, Where You Need It
Our flexible service tiers ensure customers access the support model that best suit their business needs and are adapted to changing requirements. This support is a quick response to any fault, anywhere on your network.

Bespoke Software Development
WhiteSpider has software development team who, working with our IT teams, develop bespoke applications and new customer features. Our teams work design and develop integrations and custom code that automate and optimise technology solutions. The team also develops new features that enable faster, automated IT service delivery.

Access to Industry Expertise
This service gives direct access to staff with specialist skills. With WhiteSpider your team, through our TDA Helpdesk, has direct access to our specialist consultants, who have both the training and real-life expertise across a wide range of industry sectors.

Toolsets for a Software Defined Era

WhiteSpider has developed a full tool-set to operate and manage software defined infrastructure more effectively. These include:

Arecibo: Monitoring and Management designed for SD infrastructure, this is WhiteSpider's bespoke platform that provides deeper visibility of data traversing the infrastructure.

Real-time event visualisation: Log and event analytics providing real-time access to the underlying data in your infrastructure. Capturing all state changes and inputs, combined with granular, intuitive search capabilities it helps to identify anomalies, errors and security threats.

Configuration management. An analytical, automated backup and recovery service that captures config changes which can be compared to historic configs and rapidly deployed to devices.

Application Performance

Visibility and Control: Our service delivers detailed real-time insights into your applications and traffic flows, with centralised management giving control over these.

Application-aware routing: Network and path performance is continually assessed to ensure traffic is routed across the appropriate route for each application.

Enhanced Security

Segmentation: Each application flow is analysed enabling segmentation of applications and traffic as well as applying appropriate policy-based security and routing.

Branch Security: Embedded enterprise firewall and intrusion prevention, in addition to URL filtering, and malware sand-boxing can be built in at the branch.

Business Transformation

Automation: Open APIs enables us to manage applications and infrastructures rapidly through customised automation tools build by WhiteSpider specialised dev-ops teams.

Rapid Scalability: WhiteSpider's Secure Access scales seamlessly to meet evolving connectivity needs, with our experts helping you accelerate the path to digital transformation.

Operational Control

Centralised orchestration: Secure Access allows centralised application of policies across the network as well as automated device configuration management.

Policy-Driven: Business intent can be set up for an application maximising the performance of these high priority applications independent of their transport layer, or underlying layer

Service Offering

A well maintained, pro-actively serviced infrastructure will always run better than the alternative. As the challenge of managing your network infrastructure becomes increasingly complex, a Managed Service Provider can help to significantly reduce operational costs whilst streamlining enterprise management of IT operations.

WhiteSpider's Managed Services enable you to offload network infrastructure operations and avoid the need to continually deploy, maintain and upgrade to new technologies. WhiteSpider can build a cost-effective, bespoke Managed Service offering that meets your specific business challenges and goals, with a variety of maintenance options available.

Service	Standard	Premium	Premium +
WhiteSpider Service Desk	✓	✓	✓
Service Portal	✓	✓	✓
Underlay and Overlay Monitoring	✓	✓	✓
Proactive Capacity and Performance	✓	✓	✓
Event and Log Management	✗	✗	✓
Incident Management	✓	✓	✓
Change Management (token based)	✗	✓	✓
Software Management	✗	✗	✓
Service Management	✗	✓	
Configuration Management	✗	✓	✓
TDA Helpdesk	✗	✗	✓
Life-cycle Management	✓	✓	✓
Administration	✗	✓	✓
Vulnerability Management	✗	✗	✓
Application flow and visibility Management	✗	✗	✓
Device Optimisation	✗	✓	✓
Policy Optimisation	✗	✗	✓

Reap the benefits of preventing fires, rather than fighting them.

Who is WhiteSpider?

WhiteSpider is an advanced technology services company, specialising in the provision of consultancy, strategic advice, and practical support in enterprise service architectures. We help organisations across the world to standardise their IT and communications infrastructures as they transition to digital, software-defined architectures.

With a strong history in data centre, cloud and networking technologies, WhiteSpider's team of experts possess unrivalled experience in designing, delivering and managing software-defined architectures that simplify and automate your IT estate, and truly deliver on your business objectives.

WhiteSpider's Services

Discover

Our technology-agnostic consulting services help organisations define, design and execute IT strategies that meet emerging technologies and their business objectives.

Design

We ensure we understand your situation and requirements, and our consultants will design and deploy solutions that align to your business outcomes.

Transform

We support and accelerate your investment through the whole life-cycle, enabling you to get the best from your software-defined technologies.

Manage

Our range of software services include API integration through to custom build applications and tools to automate your software-defined solutions.

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