orange™ Business Services

Cisco Partner
Global Gold Integrator

Orange SASE solution guide: integrating Cisco solutions

Explore the technical components of our SASE architecture – based on Cisco technology – and learn how Orange Business Services implements them to meet your needs

SASE designed and delivered by Orange

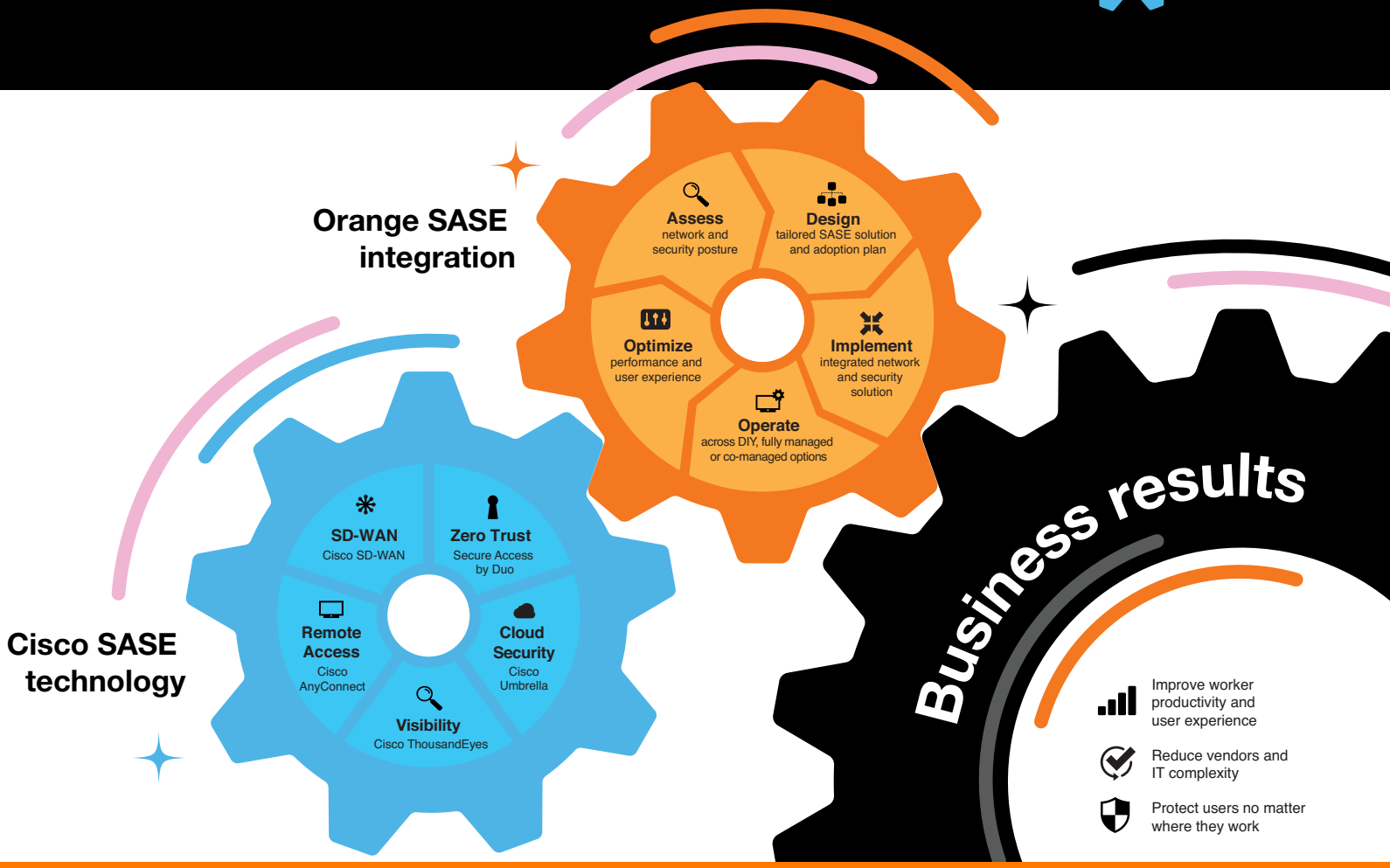
Orange Business Services has emerged as a premier integration partner to help global enterprises adopt Secure Access Service Edge (SASE) architectures. The experts at Orange can help you design, deploy and manage a SASE solution that meets the unique needs of your organization.

Orange's SASE technology partner, Cisco, remains at the forefront of SASE innovation. Cisco offers industry-leading SASE solution components and Orange brings unparalleled expertise in the design, delivery, integration and management of Cisco solutions to meet your unique SASE needs.

This solution guide is designed to share the technical details of each component of Cisco's SASE products that are designed for enterprise organizations. The guide will also summarize features and benefits while sharing the role that Orange can play in integrating Cisco's solutions into your global enterprise – while leveraging your existing IT infrastructure investments.

Contents

Orange SASE solution overview



Cisco organizes its SASE technologies across five main categories: SD-WAN, cloud security, zero-trust network access (ZTNA), remote access and visibility. Orange integrates all the components into a comprehensive SASE solution.

Achieve results with Orange's SASE solution

- **Connect and secure access:** for all locations, remote workers, devices, applications and workloads.
- **Span the globe:** with unsurpassed global network reach to cloud service providers (CSPs) and Internet service providers (ISPs) with both private- and public-access options to fit budgets and business requirements.
- **Optimize 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 better user experiences:** 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.

Read on for details on how each SASE component – developed and integrated by Orange – can help you.

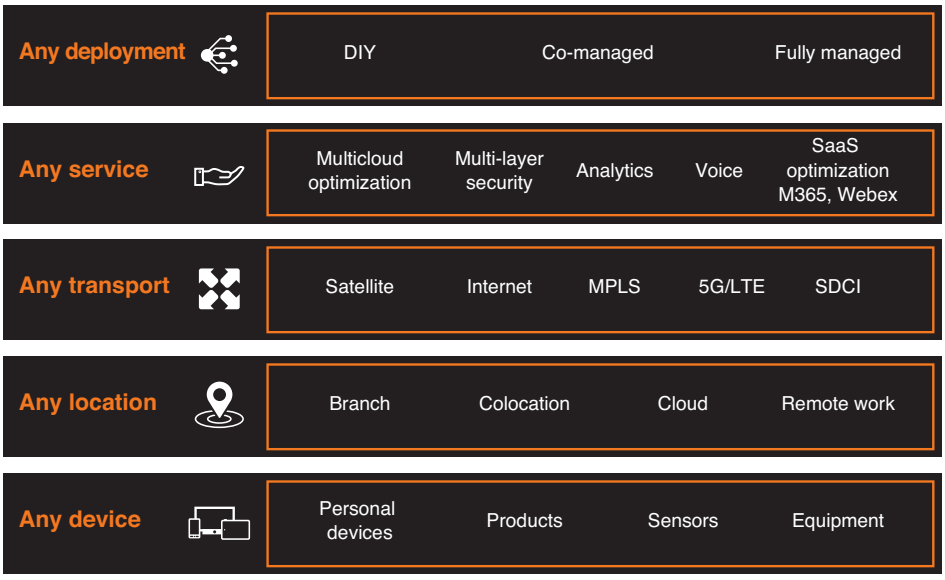
SD-WAN

Cisco SD-WAN solution overview

The Cisco SD-WAN solution offers a complete SD-WAN fabric with built in centralized management and security. It creates a secure overlay WAN architecture across campus, branch, data center and multicloud applications. The software solution runs on a range of SD-WAN routers across hardware, virtual, and cloud form factors. Cisco SD-WAN provides a flexible architecture to extend SD-WAN to any environment. The solution automatically discovers, authenticates and provisions both new and existing Cisco SD-WAN devices.

Secure Multicloud SD-WAN

Cisco's flexible architecture, deployed and managed by Orange



How SD-WAN integrates into a SASE architecture

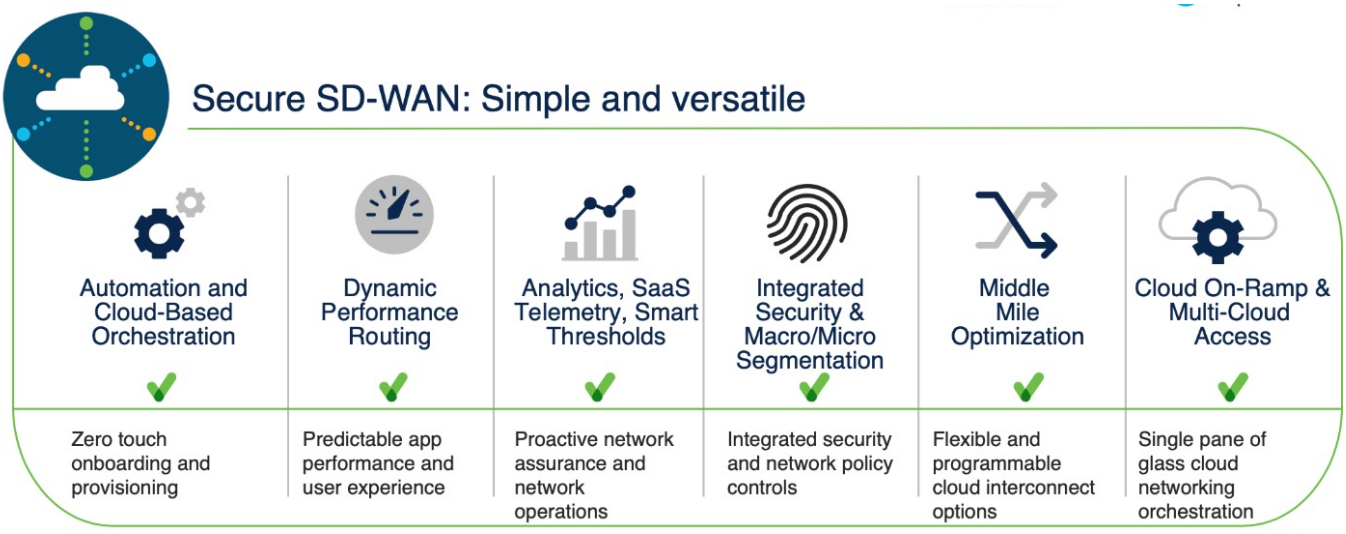
Cisco SD-WAN serves as a foundational component of any SASE architecture. Cisco SD-WAN is the industry's first fully integrated SASE offering that combines best-in-class SD-WAN with the cutting-edge Cisco Umbrella® cloud security portfolio. The full-stack multi-layer security consists of four major security categories: micro-segmentation, enterprise firewall, secure web gateway and DNS-layer security.

SD-WAN

How Orange deploys and manages SD-WAN

Orange is a recognized global leader in the SD-WAN market and a trusted, long-term partner of Cisco. Orange's worldwide team of engineers and operational experts can design, deploy and manage your SD-WAN solution. Orange overlay/underlay experience and expertise includes:

- 70+ enterprise SD-WAN networks with nearly 20,000 ports deployed globally
- Network transformations from legacy MPLS to SD-WAN networks
- 100+ next-generation hubs equipped with Cisco SD-WAN gateways
- World's largest seamless voice/data network, enabling end-to-end connectivity services in 220 countries and territories
- Dedicated and broadband Internet available in 138 countries
- #1 in ethernet coverage with reach into 170+ countries
- #1 in connections with 345,000+ sites, 25,000 customers, 3,750 MNCs
- Analyst-recognized leader: "Leader" in Gartner Network Services Global Magic Quadrant (2022); #1 in Vertical Systems Group Mid-2021 Global Provider Carrier Managed SD-WAN Leaderboard
- $700 million/year in global network investments and 13 labs worldwide to explore Cisco SD-WAN architectures
- 25+ year relationship with Cisco; Orange Business Services is Global Gold Certified



Additional resources

- Cisco SD-WAN Data Sheet
- Cisco SD-WAN Getting Started Guide
- Orange SD-WAN services

Cloud security

Cisco Umbrella solution overview

Cisco Umbrella is the cloud-native, multi-function security service that provides the first line of defense against threats on the Internet, wherever users are located. It unifies firewall, secure web gateway, DNS-layer security, cloud access security broker (CASB) and threat intelligence solutions into a single cloud service to help businesses of all sizes secure their users, applications and data.

By enabling all of this from a single, cloud-delivered service and dashboard, Umbrella significantly reduces the time, money and resources previously required for deployment, configuration, and integration tasks. In addition, the Umbrella and Cisco SD WAN integration deploys easily across your network for powerful cloud security and protection against internet threats.

How it integrates into a SASE solution

Umbrella sits at the core of Cisco's SASE architecture. In one cloud-delivered solution, it combines several of the key SASE components spelled out in Gartner's reference SASE architecture: CASB, firewall-as-a-service (FWaaS) and secure web gateway (SWG). These security functions previously required separate solutions; by combining them, Cisco Umbrella helps organizations achieve the SASE objective of solution and vendor consolidation.

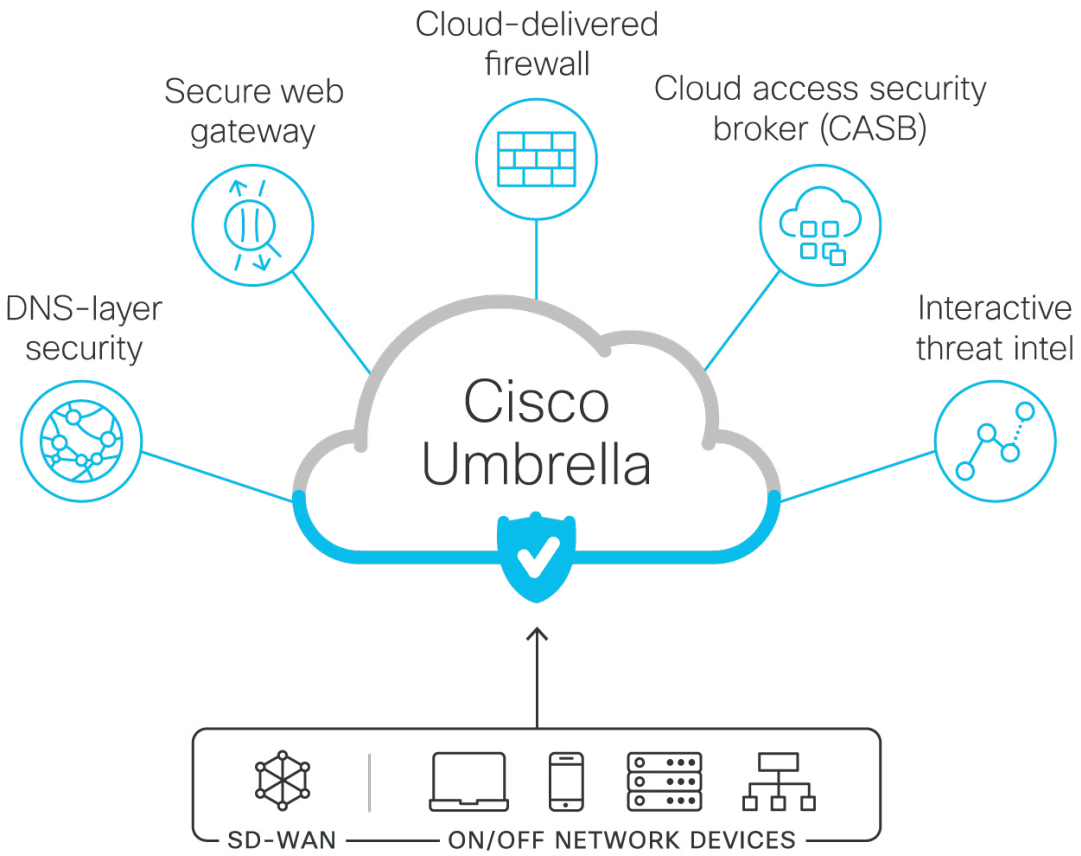
How Orange deploys and manages cloud security

Orange has over 2,500+ multi-skilled cybersecurity experts – based around the global – who bring deep experience in enterprise security:

- Orange delivers security solutions from 18 security operation centers around the globe.
- Orange has over 500 sources of continuously fed threat intelligence information.
- Orange cyberdefense experts work 24/7/365, continuously monitoring security systems worldwide.
- Orange has an end-to-end security approach; we can design, operate, detect and respond to your SASE security deployment.

Cloud security

Cisco Umbrella features and benefits



Additional resources

- Cisco Umbrella product overview
- Cisco Umbrella global cloud architecture
- Cisco Umbrella packages
- Orange Cyberdefense solutions

Zero-trust network access

Solution overview: Cisco Secure Access by Duo

Cisco Secure Access by Duo offers a comprehensive ZTNA solution to secure all access across your applications and environment, from any user, device or location. ZTNA is a strategic approach to security that centers on the concept of eliminating trust from an organization's network architecture. A ZTNA model considers all resources to be external and continuously verifies trust before granting only the required access.

With Duo, you can implement zero trust for the workforce by verifying the identity of users and the health of devices across each access attempt, with custom security policies that protect every application. This helps prevent any unauthorized lateral movement through an environment and protects you against compromised credentials and risky devices, as well as unwanted access to your applications and data.

Duo offers capabilities such as simple and effective multi-factor authentication (MFA), complete device visibility, adaptive policies, remote access with or without VPN and single sign-on (SSO) for any and every application.

How it integrates into a SASE solution

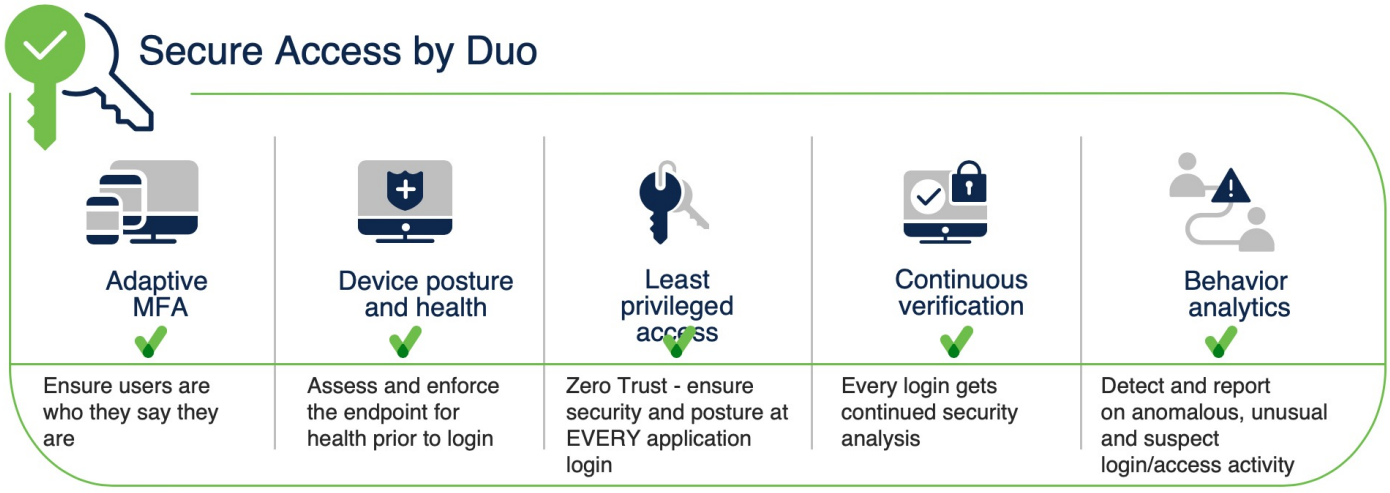
ZTNA is a key SASE component of secure access. The most successful zero-trust solutions should seamlessly integrate with your infrastructure without entirely replacing existing investments. Duo provides a comprehensive approach to securing all access across your applications and environment, from any user, device or location.

Cisco's zero-trust solution has garnered industry praise, making it a strong SASE component for today and in the future. Cisco received the highest scores possible in Forrester's 2020 Wave on Zero Trust in multiple criteria including market approach, advocacy, vision and strategy, device security and the future state of zero-trust infrastructure.

How Orange implements zero trust

Orange's security experts understand the critical SASE role of ZTNA, and how to integrate it into your customized SASE architecture. In particular, Orange brings deep experience with integrating and configuring Cisco technologies such as Duo.

Zero-trust network access



Every user. Every device. Every application.

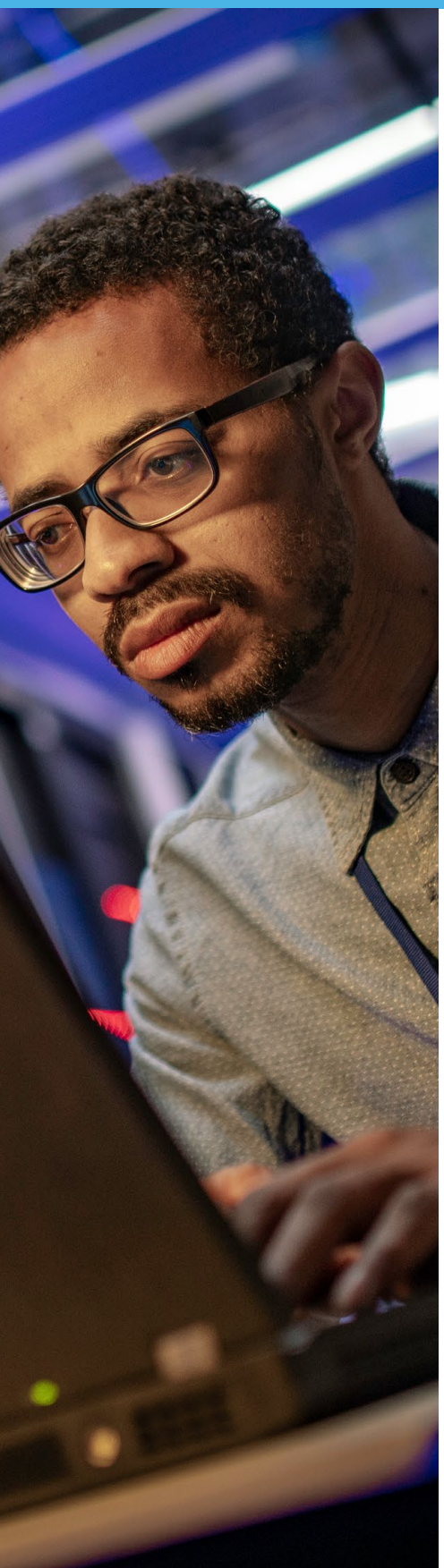
Features and benefits of Cisco Duo

- Establish user and device trust in every access request, no matter where it comes from.
- Provide secure access across your applications and network.
- Extend trust to support a modern enterprise across the distributed network.
- Deploy rapid security protection across on-premises, cloud, remote access and VPN in a matter of hours and days, not weeks.
- Save time and costs by centralizing access security while reducing administrator management and help desk tickets.

Additional resources

- Cisco Duo demo and walk-through
- Cisco Duo and Zero Trust Security for the Workforce
- Zero Trust: Workforce Solution Design Guide
- Orange and Zero-Trust

Remote access



Cisco AnyConnect solution overview

Cisco AnyConnect is a security endpoint agent that empowers remote workers with frictionless, highly secure access to the internet or the enterprise network from any device, at any time, in any location while protecting the organization. It also provides the visibility and the control you need to identify who, and which devices are accessing enterprise applications.

Cisco AnyConnect's wide range of security services include functions such as remote access, posture enforcement, web security features, and roaming protection.

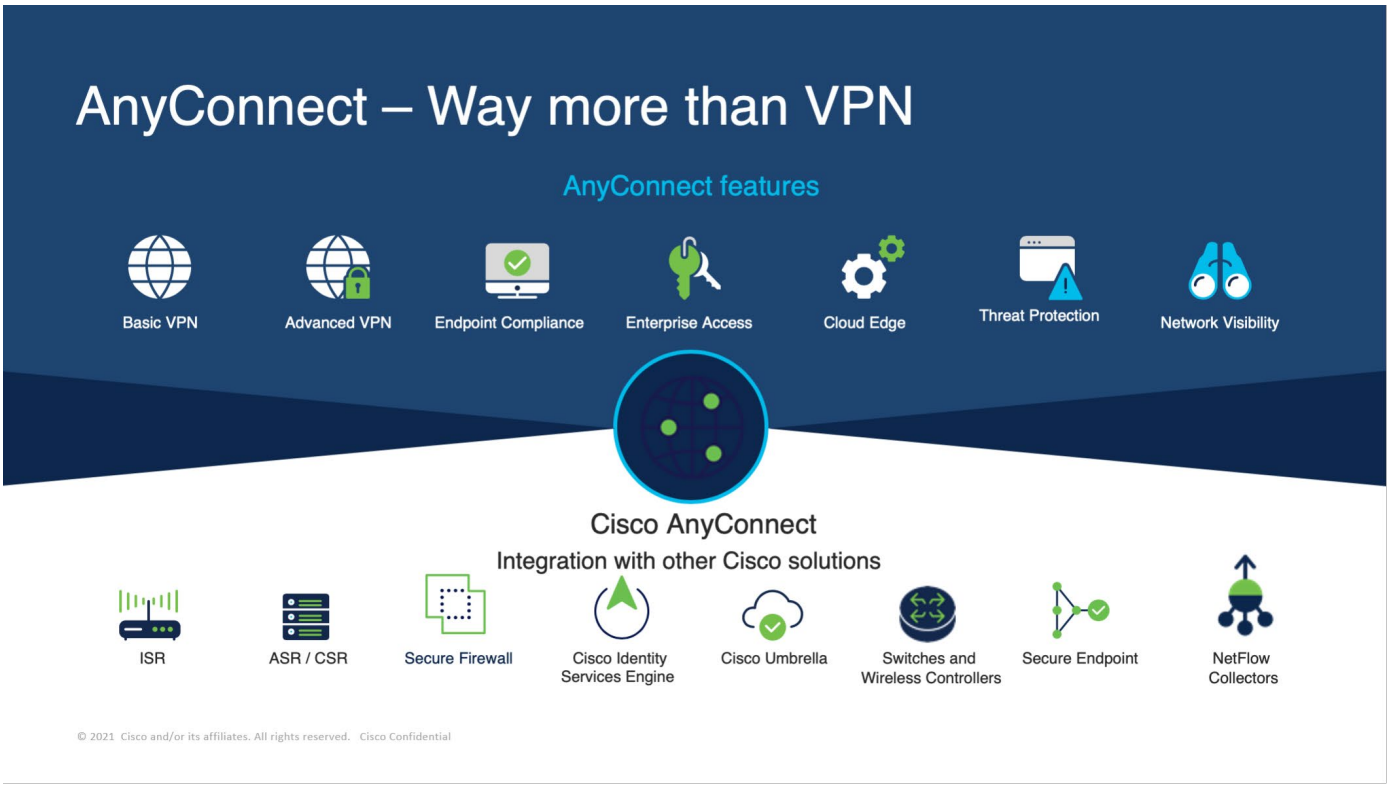
How it integrates into a SASE solution

Cisco AnyConnect, along with Cisco Duo, fulfill the remote access requirements of a SASE architecture. These solutions integrate with other Cisco SASE components to help simplify your networking and network security functions.

How Orange manages remote access

In designing your organization's SASE solution, Orange can determine how and when to integrate remote access solutions such as Cisco AnyConnect. Orange experts bring a deep understanding of all Cisco enterprise architectures and can apply that experience to design remote access solution for your needs.

Remote access



Cisco AnyConnect features and benefits

- **Access from anywhere:** Give any user highly secure access to the enterprise network, from any device, at any time, in any location.
- **Greater visibility:** Gain more insight into user and endpoint behavior with full visibility across the extended enterprise.
- **Comprehensive protection:** Defend against threats, no matter where they are. With Cisco Identity Services Engine (ISE), you can prevent noncompliant devices from accessing the network.
- **Simplified management and usability:** Provide a consistent user experience across devices, both on and off premises, without creating a headache for your IT teams. Simplify management with a single agent.

Additional resources

- How to secure your remote employees with Cisco Umbrella and AnyConnect
- Cisco AnyConnect Secure Mobility Client At-a-Glance
- Cisco AnyConnect Secure Mobility Client Data Sheet

Visibility

Cisco ThousandEyes solution overview

ThousandEyes Internet and cloud intelligence delivers end-to-end visibility from the WAN edge to everywhere that matters to your business, so you can deliver an optimal digital experience for every user to any application, over any network. It also provides actionable insight into any performance issues so you can resolve incidents quickly to maintain reliable connectivity and an optimal application experience.

How it integrates into a SASE solution

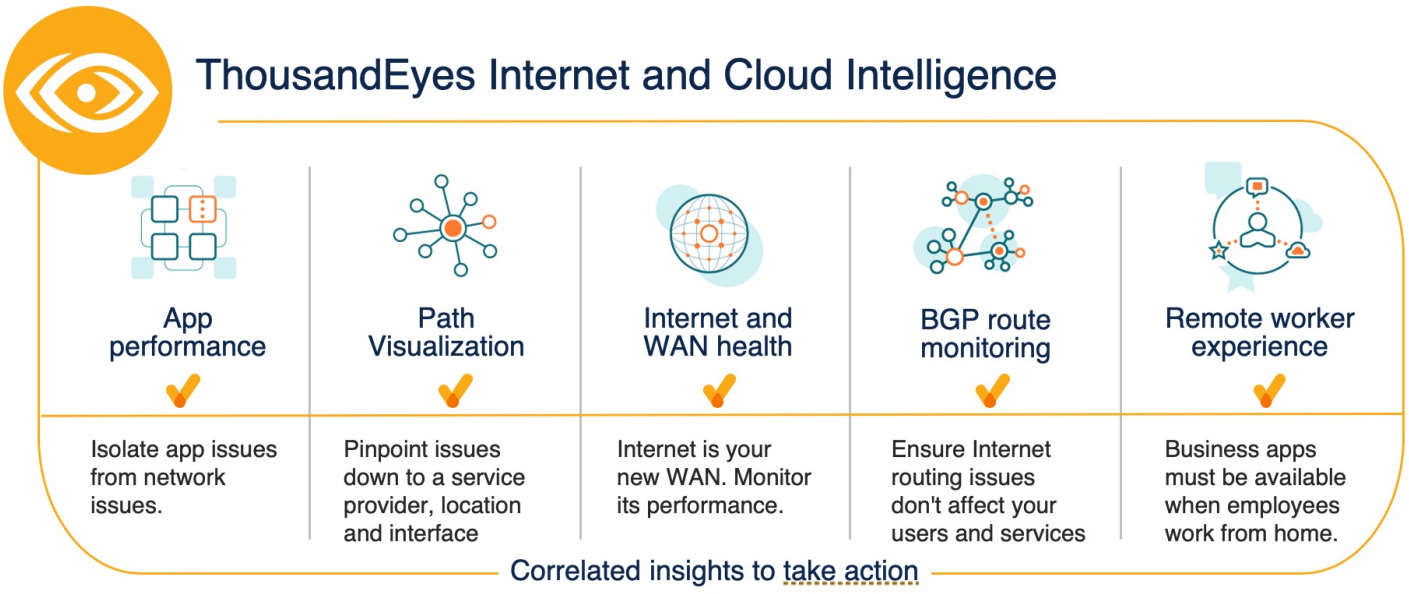
When enterprises move to SASE, they may rely more on external networks and services that they do not own and that traditional tools can't monitor – resulting in blind spots that prevent IT from identifying and resolving issues that impact digital experience. SASE complexity requires SASE visibility, and ThousandEyes provides it.

In addition, ThousandEyes Enterprise Agents are now natively integrated within Cisco SD-WAN routing platforms, enabling you to quickly get hop-by-hop visibility into the network underlay, including detailed path and performance metrics, as well as the ability to measure and proactively monitor overlay and SaaS application performance.

How Orange implements ThousandEyes

Orange has maintained a partnership with ThousandEyes since 2010, and our engineers understand how to get the most from this solution. Orange has deployed ThousandEyes in over 100 Next Generation Hubs to effectively manage our Internet services. The ThousandEyes platform, combined with Orange expertise in data analytics, provides businesses and carriers with improved digital experiences delivered across the Internet to cloud service providers (CSPs), Internet service providers (ISPs) and content providers (CPs).

Visibility



Visibility from every user, to any application, over any network.

ThousandEyes features and benefits

- Reduce mean time to identify and resolve (MTTI/MTTR) by immediately pinpointing the source of issues across your internal network, ISPs, cloud and application providers.
- Gain successful escalations with service providers based on data that can be easily shared across internal and external stakeholders.
- Eliminate wasteful finger-pointing and effectively manage OLAs/SLAs across internal teams and external providers.

Additional resources

- Cisco ThousandEyes product overview
- ThousandEyes actionable visibility for SASE
- ThousandEyes platform overview

Your SASE journey is unique

Orange and Cisco take a platform approach to SASE: offering components that can be seamlessly integrated across your global enterprise. By partnering with Orange and Cisco today, your organization can integrate whatever SASE components you already own, and then adopt more integrated solutions over time.

Remember that your SASE journey is unique: Orange will design a customized SASE solution based on your business goals and existing IT, cloud and security infrastructure. We'll create a SASE roadmap that details each step of your journey. Then, we'll be on hand to deploy and manage this solution based on your needs.

Contact an Orange SASE specialist

To discuss your SASE plans in more detail, contact Orange today.

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