

# CONFIGURING AND TROUBLESHOOTING CISCO SASE (SECURE ACCESS SERVICE EDGE) V1.0

Course Code: 860058

This five-day, hands-on, instructor-led course offers comprehensive training on Configuring and Troubleshooting Cisco Secure Access Service Edge (SASE). It equips students with the skills to implement, manage, and optimize cutting-edge Cisco SASE technologies such as Zero Trust Network Access (ZTNA), Firewall as a Service (FWaaS), Secure Web Gateway (SWG), Cloud Access Security Broker (CASB), DNS-Layer Security, Threat Intelligence and Prevention, and Cisco DUO. The goal is to provide participants with the expertise necessary to proficiently configure, manage, and troubleshoot advanced network and security configurations, ensuring they can address contemporary security challenges in Networks effectively.

Furthermore, students will delve into the Secure Web Gateway (SWG) for safe internet access and Cloud Access Security Broker (CASB) for Data Loss Prevention (DLP), crucial for protecting sensitive information in the cloud. The program also includes DNS-Layer Security, offering robust protection against online threats at the DNS layer and blocking malicious domain requests. Another critical component is Threat Intelligence and Prevention, where students will learn to utilize advanced threat detection mechanisms and integrate with Cisco Talos for real-time threat intelligence. Lastly, the course covers the Secure Internet Gateway (SIG), providing comprehensive visibility and control over internet traffic.

This course is designed to equip students with the knowledge and hands-on experience needed to effectively manage and secure a modern network environment using Cisco's cutting-edge SASE technologies.

## What You'll Learn

At the conclusion of this course, you should have an understanding of:

- Secure Access Service Edge (SASE) Overview
- Zero Trust Network Access (ZTNA)
- Firewall as a Service (FWaaS)
- Secure Web Gateway (SWG)
- Cloud Access Security Broker (CASB)
- DNS-Layer Security
- Threat Intelligence and Prevention

- Cisco DUO

SD-WAN (Software-Defined Wide Area Network) Integrations:

- Meraki SD-WAN Connectivity
- Cisco Catalyst SD-WAN Connectivity

## Who Needs to Attend

This course is specifically designed for Network Engineers, System Administrators, IT Professionals, Technical Support Staff, and Cisco-certified professionals aiming to boost their expertise in IT security and Cloud IT Security networks through the lens of Secure Access Service Edge (SASE) technology. It is particularly beneficial for those involved in the intricate aspects of SASE implementation and management within Network operations, ensuring a secure and efficient networking environment. Highly recommended learner roles include:

- **Network Engineers:** Those engaged in designing, implementing, and maintaining security infrastructures. This encompasses the integration of SASE components to achieve a secure, streamlined network architecture that supports both traditional and cloud-based applications while meeting operational standards.
- **System Administrators:** Key players in the day-to-day operations, configuration, and management of network systems. Their pivotal role extends to ensuring the seamless operation of SASE configurations across different departments, contributing to the overarching network security.
- **IT Professionals:** A diverse group of IT staff within Companies needing a comprehensive grasp of SASE for secure, reliable cloud security systems. Their responsibility lies in maintaining network compliance with strict regulations and standards.
- **Technical Support Staff:** Frontline support personnel who address and resolve technical issues within SASE-enabled network systems in network settings. Their proficiency is vital in upholding network integrity and security, ensuring uninterrupted service.
- **Cisco Certified Professionals:** Individuals holding Cisco certifications and aspiring to deepen their SASE knowledge and skills. This course offers an opportunity to specialize in SASE solutions, significantly enhancing their capabilities in addressing network security requirements.

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