

Bridging the Gap - Integrating Cisco Cloud and Microsoft Azure for Enhanced Solutions (BGCISCOAZURE)

ID BGCISCOAZURE Price on request Duration 1 day

Course Overview

To innovate, architects need to have a holistic understanding of the customer's IT environment, which includes on-premise and cloud infrastructure applications, and the high-level business needs and processes this environment supports.

How you'll benefit This workshop is designed to enable Microsoft Cloud Architects, Security Architects, and Cisco Network experts to understand where and how to utilize Cisco for various cloud deployment scenarios across connectivity, security, and observability.

Topics include:

- Hybrid Cloud Networking
- Security
- Observability
- Multi-Cloud Environments

Who should attend

- Cloud Architect
- Network Architect
- Network Security Architect
- Cloud Infrastructure Management
- Network and Security Management

Prerequisites

To fully benefit from this course, you should have knowledge of cloud design, architecture, and networking. A "Know Before You Go" document will be provided for workshop preparation.

Detailed Course Outline

Cisco and Microsoft work together to make it easier for you to accelerate your cloud journey. Their solutions are certified and

validated so you can innovate with confidence and develop a secure, simplified infrastructure that delivers value across the technology lifecycle. While Cisco and Azure offer many different solutions, this workshop is designed to address three main topics:

- Powering Hybrid Work and Transform the Infrastructure, which connects your on premises environment to the Azure public cloud, providing a complete network and security portfolio.
- Reimagining Applications with Full-Stack Observability, allowing you to monitor all aspects of your system across applications, networks, and third-party broadband services.
- Security Resilience, which helps you maintain visibility and establish controls across your environment. You can detect and protect against known and unknown anomalies.

During each module we will review various applicable case studies and engage in breakout sessions to review actual solutions through guided conversations.

Why Cisco and Azure for Cloud? This module provides a brief overview of market trends. We'll discuss how Cisco and Azure Cloud solutions can accelerate your Cloud journey.

Infrastructure Connectivity This module gives you an overview of the underlying network that provides a robust and reliable hybrid cloud environment and how hybrid cloud addresses the issue of resource availability and data protection. You'll examine Azure networking and infrastructure services before exploring Cisco's core architecture components including the technologies and features used to accomplish each component. Finally, you'll compare Cisco and Microsoft services to understand when to use either or both.

Security This module describes the most relevant Microsoft security solutions and compares them with Cisco Security products and the features they offer. You'll learn how to think about securing the users, the devices that they are using to access the network, the network infrastructure itself, and securing the application and data.

Cloud Observability and Monitoring In this module, you'll explore the software tools that observe the inputs and the outputs of the technology stack. You'll examine products that provide visibility into all elements of your physical and virtual infrastructure along with application performance data and container workload allowing your IT operations, infrastructure, and cloud teams to ensure continuous uptimes and optimal performance for your organizations' applications. In addition to visibility, you'll review the products that analyze workload consumption, costs, and compliance constraints, and automatically allocates resources in real-time.

Multi-Cloud Environments Since using several clouds to handle different workloads has become the best practice for many companies, this module will allow you to compare Microsoft's solutions with various Cisco solutions to understand which solutions are the better choice when it comes to a multi-cloud environment. You'll gain insight into which solutions help your IT teams make complex, on-going decisions about where to locate workloads and how to size resources to ensure performance and minimize cost.

Use Cases In this workshop, you'll review customer Use Cases pertaining to multi-cloud connectivity, security, and insights.

About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

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