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Learning Style: On Demand

Technology: Cisco

Difficulty: Beginner

Course Duration: 40 Hours

Introducing Cisco Cloud Consumer Security (SECICC) v1.0 - On Demand



About this course:

The Introducing Cisco Cloud Consumer Security (SECICC) v1.0 course gives you a technical overview of basic concepts and components of the cloud, and the Cisco® solutions used to provide comprehensive security of your cloud-based environment.

In this primarily lecture-based course, you'll learn the basics from a cloud consumer perspective including securing cloud and Software as a Service (SaaS) application environments. This introductory course provides insights on using Cisco Stealthwatch Cloud, Cisco Cloudlock, Cisco Umbrella and more to protect the user when using cloud-based applications.

Course Objective:

After taking this course, you should be able to:

- Describe public, private, and hybrid cloud models, concepts, and design.
- Explain the concepts and components for securing cloud environments.
- Describe Cisco security offerings for Amazon Web Services (AWS).
- Define methods to secure SaaS application usage.

Audience:

- Solutions architects
- Cloud architects
- Network engineers and administrators
- System engineers and adminstrators
- Cloud security consumers
- Cloud application administrators
- IT managers
- Line of business managers
- Cisco integrators and partners

Prerequisite:

This course has no prerequisites, but you'll get the most from the course if you have the following knowledge and skills:

- Basic computer literacy
- Basic PC operating system navigation skills
- Basic Internet usage skills
- Basic IP address knowledge

We also recommend that you have the following skills:

- Prior knowledge of cloud computing and virtualization software basics

Course Outline:

Introducing the Cloud

- Describe the Evolution of Cloud Computing
- Explain Cloud Service Models
- Explore Cloud Deployment Models

Introducing Securing the Cloud

- Describe the Cisco Threat-Centric Approach to Network Security
- Describe Cloud Physical Environment Security
- Describe Cloud Network Infrastructure Security
- Explain Application Security
- Explore Cloud Management and API Security
- Describe Cisco Cloud-Based Security Solutions
- Describe Network Functions Virtualization (NFV), Virtual Network Function (VNF), and Secure Agile Exchange (SAE)
- Describe Cisco CloudCenter for MultiCloud Management
- Describe Cisco Stealthwatch

Describing Cloud Security Solutions Using AWS

- Identify AWS Security Offerings
- Identify Cisco Security Solutions in AWS

Introducing Security in an SaaS Environment

- Describe SaaS Applications
- Describe SaaS Security Challenges
- Explain Cloud Access Security Broker
- Describe Cisco CloudLock
- Describe OAuth and OAuth Attacks
- Describe Cisco Advanced Malware Protection for Endpoints
- Describe Cisco Cloud Email Security
- Describe Cisco Umbrella

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