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CLOUD TECHNICAL PROFESSIONAL



Cloud Technical Professional courses provide the technical knowledge, skills, and expertise needed to design, implement, and manage cloud-based solutions that are scalable, secure, and cost-effective.

This curriculum is designed for technology-focused professionals with some hands-on experience in cloud solutions deployment or operations in a technical capacity.

LEARNING OBJECTIVES

- Gain an understanding of and hands-on experience with cloud platforms, yielding practical skills that are applicable to real-world situations such as workload solutions, containerization and container orchestration, security in and of the cloud.
- Obtain certification that attests to your knowledge of multiple cloud service providers including Amazon Web Services (AWS), Azure, and Google Cloud Platform (GCP).
- Accelerate your career advancement in the growing cloud technology field, where expertise is in high demand.
- Expand opportunities to work in a variety of distinct roles, including IT, finance, healthcare, and marketing.
- Understand the unique value and benefits that Intel brings to the cloud.

RECOMMENDED EXPERIENCE

Functional experience and knowledge of cloud technologies and deployments.

Intel® Certified Pro in Cloud Fundamentals or equivalent practical experience or certification.

CURRICULUM

6

courses

30

hours to complete
(estimated)

2

hands-on labs

Upon completion of the Cloud Technical Professional coursework, take the proctored exam to achieve recognition as an Intel® Certified Pro.

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Course 1

ESSENTIALS OF SYSTEM INFORMATION

Misconfiguration of cloud solutions can cost customers availability, time, and money. In this course, learners will benefit from lessons on system configuration and common challenges, when and how to leverage workload telemetry with the correct tools, and how to ensure that an organization's cloud presence has the appropriate internal support.

Course 2

DATA CENTER WORKLOAD SOLUTIONS

This course provides technical pros an advanced understanding of hybrid cloud design and implementation/deployment of cloud solutions. Learners will explore how Splunk can augment a cloud deployment and how to deploy a POC with benchmarking enabled, to deliver high-performant SQL instances with lower TCO.

Course 3

SECURITY IN CLOUD COMPUTING

Data and workload security is a critical element of running solutions in the cloud. Remaining aligned with data sovereignty, encryption, regulation, and technologies are key components of security in the cloud. This course covers encryption and Intel® security enhancements in cloud hardware, workloads, and data security and includes a review of Intel® technologies including storage encryption, network security, and confidential computing.

Course 4

ADVANCED NETWORKING

Learners will benefit from the technical review of critical networking functions and solutions in the cloud. Firewall, SDN, security brokers, Network as a Service (NaaS), and other cloud networking services will be covered in this course.

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Course 5

CONTAINER SOLUTIONS

Containers are a powerful tool for workload deployment. Learners will cover the interfaces and functions commonly used in the cloud (NFD and CNI to name just two). Additionally, the content is enhanced by hands-on labs that provide learners direct experience with the actual tools.



Includes Node Feature Discovery and Topology Manager hands-on labs.

Course 6

EDGE TO CLOUD

Edge workloads are growing rapidly and have become increasingly important. These workloads have different and unique attributes due to device placement (closer to the customer/workload) and connections back to the cloud. This course will cover the security of workloads and data from the edge back to the cloud, connectivity capabilities to consider, information, and suggestions on how to optimize edge-to-cloud solutions for performance.

**REGISTER TODAY.
COMPLETE YOUR CERTIFICATION.
RUN THE CLOUD.**

Cloud Fundamentals is one of four Intel® Cloud.U training and certification programs.

1. Create an account at cloudu.intel.com
2. Register for the curriculum of your choice
3. Complete the courses and labs required for certification
4. Take the certification exam

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