



HPE Cloud Computing Foundation HL973S

HPE course number	HL973S
Course length	1 day
Delivery mode	ILT/VILT
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This course covers the purpose, terminology, economics and operational challenges of clouds and puts special emphasis on the journey from a traditional datacenter solution to a cloud-based solution.

The last course module provides a high-level overview of HPE GreenLake cloud services.

Audience

IT Cloud Operations, Management, and Architects that perform day-to-day operational functions for HPE GreenLake environments.

Anybody with an interest in HPE GreenLake benefits from the course.

Prerequisites

This course has no formal training prerequisites. Learners should be IT professionals or have been exposed to information technology, its purpose and its terminology.

Course objectives

After completing this course, students should be able to:

- Articulate the definition of cloud computing and typical characteristics of cloud

- Categorize cloud deployment models
- Explain when companies benefit from cloud computing, and what challenges they face
- Take part in a conversation about cloud without struggling with terminology
- Describe the stages of the ITIL-4 customer journey to the cloud
- Provide criteria for selecting the right cloud provider and solution
- List the typical contents of a cloud service agreement with a provider
- Explain various transformation scenarios
- Explain non-technical challenges related to cloud computing
- Articulate security concerns and how they can be addressed
- Articulate challenges when operating a cloud in a volatile environment
- Describe the purpose, benefits and components of HPE GreenLake at a high level

Detailed Course outline

Cloud Computing - Why and What	<ul style="list-style-type: none"> • Cloud Characteristics and Definitions • Cloud Service and Deployment Models • Cloud Economics 	<ul style="list-style-type: none"> • Benefits of Cloud Computing • Challenges and Concerns with Cloud Computing
Key terms and definitions	<ul style="list-style-type: none"> • Workshop and debrief: Determine the meaning of key cloud terminology 	<ul style="list-style-type: none"> • Pet versus Cattle, Mutable versus Immutable
Moving Services to Cloud	<ul style="list-style-type: none"> • The ITIL-4 Customer Journey to the Cloud • Make a Decision: Choosing the Right Cloud • Sign the Contract: Coming to an Agreement 	<ul style="list-style-type: none"> • Migrate the Services: Different On-Ramps to the Cloud • Technology is not everything: Organizational impact
Operating Cloud Services	<ul style="list-style-type: none"> • Managing cloud resources • Addressing the cloud's Achilles heel: Security • Workshop and debrief: Cloud security issues and concerns 	<ul style="list-style-type: none"> • Operating the Cloud in a Volatile Environment: Volatility, uncertainty, complexity and ambiguity (VUCA) in cloud computing
HPE's Approach to the Cloud	<ul style="list-style-type: none"> • On-Premises vs Cloud • GreenLake Capacity Management • HPE GreenLake Infrastructure 	<ul style="list-style-type: none"> • Customer-managed resources vs HPE-managed resources • HPE GreenLake Services • HPE GreenLake Central

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