

# Advanced HPE Edge-to-Cloud Solutions, Rev. 24.31

## Course description

The Advanced HPE Edge-to-Cloud Solutions course is five days in duration and teaches you how to plan and design advanced HPE Edge-to-Cloud and HPE GreenLake solutions based on HPE technologies and industry-standard workloads related to optimizing for performance and/or availability. Hands-on activities will guide you through complex design exercises using skills such as information gathering and analyzing customer business and technical requirements. You will learn to recommend and position HPE GreenLake, compute, storage, network solutions, tools, and appropriate services for customer use cases and workloads.

## Ideal candidate for this course

The ideal candidate has a minimum of 5 to 7 years of hands-on experience or equivalent designing complex solutions for enterprise customers. They can scope and architect solutions for the full edge-to-cloud service experience, including the following HPE technologies: cloud services, compute, storage, networking, and services.

<b>Course ID</b>	0001209042
<b>Course format, Typical duration</b>	<b>Select one:</b> VILT - Virtual Instructor Led, 5 days ILT - Instructor Led, 5 days
<b>Skill level</b>	Advanced
<b>Delivery languages</b>	English
<b>Lab required</b>	No
<b>In preparation for these exams</b>	Selected items from this course are included in these exams: <ul style="list-style-type: none"> <li><a href="#">Advanced HPE Edge-to-Cloud Solutions</a></li> </ul>

[Register for this course.](#)

Find this course offering in the Training calendar. Click "Register" to take the course in The Learning Center. Login and Password required.

## Suggested prerequisites

Access to these tools is required for Hands-on Labs and in-class activities; please ensure you have access before you attend.

- HPE Edge-to-Cloud Solutions Rev. 24.31 (ID 0001209041)
- HPE Solution Sales Enablement Tool - <https://sset.ext.hpe.com/>
- HPE CloudPhysics - <https://www.cloudphysics.com> (email to [cloudphysics@hpe.com](mailto:cloudphysics@hpe.com), if registration is closed on the website)

## Topics

- **HPE value proposition**
  - Make recommendations from the HPE portfolios, and explain ideal use cases
  - Outline the benefits of the HPE Complete portfolio
  - Examine business and financial considerations when designing a solution
  - Differentiate concepts and processes regarding business continuity and disaster recovery
- **HPE solution offerings**
  - Articulate and explain the HPE as-a-service strategy
  - Explain and differentiate HPE GreenLake concepts, portfolio, and benefits, including the:
    - HPE GreenLake core portfolio
    - HPE GreenLake cloud services
    - HPE GreenLake Lighthouse
    - Financial benefits
  - Recommend and explain the benefits of HPE GreenLake Managed Cloud Services
  - Recognize the competitive landscape
- **Designing a solution for a database workload**
  - Differentiate and describe the characteristics of different database workloads
  - Explain HPE GreenLake for databases
  - Design a database solution, based on the customer requirements, including:
    - Compute platform
    - Replication and recovery options
    - Data center interconnect
    - HPE Serviceguard for Linux

- **Designing a solution for an advanced virtualization workload**
  - Recommend and describe VCF building blocks
  - Explain the components of HPE GreenLake for VCF
  - Design and architect a virtualization solution, based on customer requirements, including:
    - HPE Synergy infrastructure
    - VMware® storage technologies
    - Aruba and VMware vSphere® integration
    - Distributed Services Switch
    - Protecting VMware workloads
- **Designing a solution for VDI workloads**
  - Describe and explain VMware Horizon® and Citrix architectures
  - Explain HPE GreenLake for VDI
  - Design a VDI solution, based on the customer requirements
- **Designing a solution for a container workload**
  - Describe the components of, and use cases for, containers and Kubernetes
  - Design HPE Storage solutions for containers and Kubernetes
  - Demonstrate the features and benefits of HPE Ezmeral Runtime Enterprise
  - Compare and contrast the use cases for HPE GreenLake for Containers
- **Designing a solution for a Big Data/Analytics workload**
  - Outline the HPE portfolio for Big Data, analytics, and software-defined storage
  - Define the features of the HPE Apollo 4000 family
  - Design solutions for Big Data, analytics, and AI workloads
  - Design solutions for scale-out unstructured data platforms, including Cohesity, Qumulo, and Scality
- **Designing a solution for HPC and AI workloads**
  - Describe the HPE portfolio for HPC and AI workloads
  - Summarize the benefits of the HPE GreenLake for HPC solution
  - Design the management for an HPC and AI solution, using HPE Performance Cluster Manager
- **Designing a data protection solution**
  - Differentiate and recommend the components of the HPE data protection software portfolio
  - Describe the HPE Cloud Bank Storage feature, including use cases for cloud backup, recovery, and archive
  - Recommend and explain the data protection options available for HPE GreenLake, including:
    - HPE Backup and Recovery Service
    - Zerto integration

## Objectives

After you successfully complete this course, expect to be able to:

- Describe, differentiate, and apply IT industry trends, standard architectures, technologies, and cloud delivery models.
- Gather and analyze customer business and technical requirements.
- Recommend and position HPE offerings (solutions, products, and services) for customer use cases.
- Explain HPE value differentiation/distinction in the marketplace and positioning and upsell/cross-sell opportunities.
- Architect and design an HPE solution based on customer needs.

## How to register

View the [Certification and Learning Global Training Calendar](#) to register for the training offerings that best meets your needs.

## For more information

[Contact our program](#)

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Information is as of June 2024, Revision 1

