Hewlett Packard Enterprise

Creating HPE Scale Out Storage Solutions, Rev. 20.41

Course description

The Creating HPE Scale Out Storage Solutions course is a self-paced training that is approximately 20 hours of content. The downloadable PDF document includes study material and activities in the ratio of approximately 15% activities and 85% study. Given a scenario, you will learn to design HPE Scale Out Storage solutions. You will also learn to analyze storage workloads and use cases and prescribe the appropriate HPE infrastructure solution.

Course ID	01129145
Course format, Typical duration	WBT – Web Based, Self Paced, 3 days
Skill level	Advanced (ADV)
Delivery languages	English
Lab required	No

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.

Ideal candidate for this course

This certification is targeted to solution architects who have
experience designing and implementing a complex solution and want to validate their
knowledge and skills to leverage HPE solutions in multi-site environments. Candidates typically define business needs and propose and may
deploy the solutions.

Suggested prerequisites

None

Topics

- **Introduction to file, block, and object-based storage concepts**
    - Explain quotas and QoS
    - Evaluate access and authentication methods, including RBAC
    - Explain data protection concepts including stubbing, local, remote, and stretch replication, and backup technologies
    - Describe the concepts behind eventual consistency and data currency
    - Explain file storage concepts, including types, protocols, use cases, and benefits
    - Explain block storage concepts, including characteristics, limitations, and benefits
    - Explain object storage concepts, including characteristics, limitations, and benefits
    - Describe big data storage solutions, including HDFS

- **Key features and capabilities of scale-out storage**
    - Describe data protection strategies.
    - Position management features and capabilities.
    - Recommend front- and back-end components for a cloud-based solution
    - Explain HPE-specific recommendations and solutions

- **Reasons for, and uses of, different tiers of storage**
    - Explain the characteristics of a primary/mission-critical storage solution
    - Explain the characteristics of a secondary storage solution
    - Describe typical implementations of tiered storage.

- **Assessing customer current architecture**
    - Identify customers' current state and future plans, including applications and their specific storage capacity and protocol

requirements, customer's data protection and other data management strategies.
- Identify key drivers for solution design elements, including analysis of customer expectations for a given solution.
- Describe the implementation and planning process, including confirming customer's current environment and researching requirements for initial population for the target solution.

- **Identifying HPE and competitors' advantage for scale out storage offering**
  - Describe key features of Isilon, Netapp StorageGrid, ECS and other top competitors.
  - Explain positioning for scale-out storage with hyper-converged infrastructure offerings.
  - Describe the advantages of using HPE technologies as part of a scale-out storage offering.

Objectives

After you successfully complete this course, expect to be able to:
- Describe and differentiate file, block, and object-based storage concepts
- Recommend and position HPE and partner scale-out storage solutions for customers, including Cohesity, Qumulo and Scality.
- Explain reasons for, and uses of, different tiers of storage
- Evaluate the customer environment and discover and assess customer's current architecture, vision, and strategy
- Identify HPE and competitors' advantage for scale-out storage offerings

How to register

Click on this link to register for this course: https://certification-learning.hpe.com/tr/TrainingCalendar?excludePartners=false&CourseId=01129145

For more information

Contact our program

Information is as of September 2020, Revision 1