

H61M4S

Advanced HPE Storage Solutions, Rev. 22.11

The Advanced HPE Storage Solutions course is 30% lectures and 70% activities. Activities include exercises using tools from sources such as the HPE Partner Portal, and exercises using real hardware. Hands-on lab exercises are performed using resources hosted by the HPE Partner Ready lab team.

Kursinhalt

The purpose of the course is to teach the candidate how to:

- Discuss customer needs and storage workloads
- Protect virtualization workloads with remote replication
- Achieve high availability of database workloads with Peer Persistence
- Plan multisite backups with HPE StoreOnce
- Integrate HPE Recovery Manager Central (RMC)
- Integrate Veeam and HPE solutions
- Work with HPE Cloud Volumes and containers
- Plan multi-site networking
- Move data between systems

Zielgruppe

The ideal candidate for this course is anyone who needs to learn how to describe, position, recommend, demonstrate, plan, and design advanced HPE storage solutions to meet a customer's business and technology requirements. Typical candidates for this course are:

- Consultants
- Presales engineers
- Sales engineers
- Systems engineers
- Solutions architects

Voraussetzungen

There are no prerequisites for this class

Kursziel

This course helps prepare candidates for HPE1-H03 – Advanced HPE Storage Solutions exam and the HPE5-H52 delta exam.

Dieser Kurs im Web



Alle tagesaktuellen Informationen und Möglichkeiten zur Bestellung finden Sie unter dem folgenden Link: www.experteach.de/go/H64S

Vormerkung

Sie können auf unserer Website einen Platz kostenlos und unverbindlich für 7 Tage reservieren. Dies geht auch telefonisch unter 06074 4868-0.

Garantierte Kurstermine

Für Ihre Planungssicherheit bieten wir stets eine große Auswahl garantierter Kurstermine an.

Ihr Kurs maßgeschneidert

Diesen Kurs können wir für Ihr Projekt exakt an Ihre Anforderungen anpassen.

Stand 21.04.2024

Training		Preise zzgl. MwSt.
Termine in Deutschland	5 Tage	€ 3.795,-
Online Training	5 Tage	€ 3.795,-
Termin/Kursort	Kurssprache Englisch 	
05.08.-09.08.24 <input type="checkbox"/> Online	16.09.-20.09.24	<input type="checkbox"/> Online



Inhaltsverzeichnis

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Module 0: Course Overview and Introduction

- Describe the purpose and content of the HPE Advanced Storage Solutions course
- Discuss the exam preparation checklist

Module 1: Understanding Customer Needs and Storage Workloads

- Customer scenario
- Workload to product(s) mapping
- Activity: Analyzing customer requirements
- Positioning the HPE storage portfolio
- Positioning the HPE data protection portfolio

Module 2: Protecting Virtualization Workloads with Remote Replication

- Customer scenario
- Activity: HPE reference architecture for SAP HANA in a virtualized environment
- Solution building blocks
- vVols
- HPE 3PAR/HPE Primera/HPE Alletra Remote Copy
 - Replication modes
- Activity: HPE Primera Remote Copy support verification
- Remote Copy topologies
- Remote Copy operations
- HPE Nimble SmartReplicate
 - How replication works
- Activity: HPE Nimble to HPE Cloud Volumes Partnership Setup video
 - Disaster recovery
 - Recovery scenarios

Database Workloads with Peer Persistence

- Customer scenario
- Activity: HPE reference architecture for high availability/disaster recovery solution of virtualized Microsoft SQL Server
- Solution building blocks
 - Storage cluster solutions supported by Peer Persistence
- HPE 3PAR/HPE Primera/HPE Alletra Peer Persistence
 - Quorum witness details
 - Learning check questions and answers
 - Peer Persistence failover scenarios
 - Learning check questions and answers
 - HPE 3PAR 3DC Peer Persistence
- Customer scenario update
- HPE Nimble scale out
- HPE Nimble Peer Persistence

- Peer Persistence architecture
- Automatic switchover scenarios
- Activity: Peer Persistence for HPE Nimble Storage video
- Other remote replication-based, high availability, and disaster tolerant solutions
- Activity: VMware® SRM support verification

Module 4: Planning Multisite Backups with HPE StoreOnce

- Customer scenario
- Activity: Backup and CDM using HPE StoreOnce Catalyst plug-in for RMAN
- Solution building blocks
- HPE Catalyst RMAN integration plug-in
- VTL/NAS replication and HPE Catalyst Copy
 - Disaster recovery scenarios
- HPE StoreOnce cloud integrations
 - HPE Cloud Bank storage
 - HPE StoreOnce VSA in Microsoft Azure
- Activity: HPE Cloud Bank storage provider verification

Module 5: Integrating RMC

- Customer scenario
- Activity: HPE reference architecture for comprehensive Microsoft SQL server data protection and disaster recovery
- Solution building blocks
- HPE Recovery Manager Central base review
- Activity: An Introduction to HPE Recovery Manager Central video
- RMC-X integrations
 - RMC-V
 - RMC-E
 - HPE Recovery Manager Central databases (RMC-S, RMC-O, -- and RMC-SH)
- HPE Recovery Manager Central integrations with other HPE products
 - HPE Catalyst Copy and cloud support
 - Replication integrations
- Activity: HPE Recovery Manager Central replication support verification

Module 6: Integrating Veeam and HPE Solutions

- Customer scenario
- Activity: HPE reference configuration for HPE Primera with Veeam Availability Suite
- Solution building blocks
- Veeam integrations with HPE storage arrays
- Activity: Why HPE Storage and Veeam video

- Veeam integrations with HPE StoreOnce
 - Backup replication
- Activity: HPE StoreOnce support verification
- HPE Recovery Manager Central integration with Veeam Explorer
 - Peer Persistence architecture

Module 7: Working with HPE Cloud Volumes and Containers

- Customer scenario
- Activity: HPE reference configuration for hybrid cloud mobility with Google Cloud's Anthos on HPE Nimble Storage dHCI
- Solution building blocks
- Hybrid cloud solutions for Kubernetes using HPE primary storage
 - Container storage interface
 - Use cases for persistent storage
- HPE cloud-based solutions and services
- Activity: How to Move Data Between Clouds with HPE Cloud Volumes video
- HPE Cloud Volumes backup
- Activity: HPE Cloud Volumes Backup Demo video
- Cloud solutions positioning and summary

Module 8: Planning Multisite Networking

- Customer scenario
- ISL bandwidth aggregation
- SAN extension protocols
- Activity: SONEt, DWDM, and CWDM lecture video
- FC-FC routing
- Fabric partitioning
- Activity: Peer Persistence for HPE Nimble Storage video
- SAN security

Module 9: Moving Data Between Systems

- Customer scenario
- Activity: HPE guide for data migration from HPE 3PAR to HPE Primera
- Solution building blocks
- HPE data migration
- Peer Motion
- Activity: Peer Motion data migration host support matrix
- HPE 3PAR Storage Federation overview
- Activity: HPE 3PAR Federation with Peer Motion Demo video
- HPE Recovery Manager Central Peer Copy

