



# Hewlett Packard Enterprise

Course Datasheet

## **Designing HPE Backup Solutions, Rev 16.11 ( 01059534)**

Education Services course product number – H9Q01S

Course length – 1 day

Delivery mode – Instructor Led Training (ILT)

Virtual Instructor Led Training (vILT)

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This course teaches you to plan and design HPE Backup Solutions with a focus on the concepts that define the right Backup and Recovery strategies for various customer scenarios. It includes the benefits of Backup and Recovery Solutions, a more in-depth knowledge of Backup and Recovery solution components, and an understanding of how everything works together to provide a complete backup storage solution. This course will provide you with a competency level of an Accredited Solutions Expert (ASE) and proficiency in the HP StoreOnce Strategy including Backup and Recovery best practices, configuration guidelines and recommended configurations.

### **Audience**

- The ideal candidate is a Presales professional or a Solution Architect who provides HPE technical consulting during the planning and designing of SMB and Enterprise Storage Solutions. This training is important for a channel partner organization and members of an HPE presales team who are looking to grow their business with sales of HPE Backup and Recovery solutions. Individuals who are members of an internal purchasing team responsible for defining business requirements and proposing Backup and Recovery storage solutions will also find value in this training that leads to certification as an Accredited Solutions Expert. You are expected to have a minimum of one (1) year of experience in storage technologies to get started.

### **Certifications and Related Examinations**

- HPE ASE - Storage Solutions Architect V2 certification
- HPE0-J77 - Designing HPE Backup Solutions exam

## Prerequisites

One of these:

- HPE ATP - Storage Solutions V2
- HP ATP - Storage Solutions V1

## Course Objectives

After completing this course, the student will be able to:

- Explain the fundamental architectures and technologies of Enterprise Backup Solutions
- Describe HPE Backup concepts and strategies
- Identify a customer's backup requirements
- Design, validate and propose a solution
- Understand the HPE Enterprise BURAs vision, strategy, products and solutions
- Plan and design an Enterprise Backup and Recovery Solution

## Course Outline

### Module 1. Downtime and Availability

- Quantifying downtime
- Causes of downtime
- Availability

### Module 2. Backup Strategy

- What is backup
- Availability technologies
- Data tiering
- Why is backup needed
- Types of backup
- Tape media drives and technologies
- Maintaining history

### Module 3. Topology and Performance

- Basic backup methods
- Storage Area Networks
- Network-Attached Storage (NAS)
- Backup and disaster recovery
- Backup encryption
- Capacity planning
- Tape-as-NAS

### Module 4. Backup and Archive Configurations

- Simple backup configurations
- SAN-based backup configurations
- Remote backup configurations
- Virtualization-related backup configurations
- HPE Enterprise Secure Key Manager
- Tiered data retention for HPE StoreServ