ProTech Professional Technical Services, Inc.

Designing HPE Backup Solutions Rev. 16.11

Course Summary

Description

This course teaches students how to plan and design HPE Backup Solutions with a focus on the concepts that define good Backup and Recovery strategies. 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.

Objectives

At the end of this course, students 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 BURA vision, strategy, products, and solutions.
- Plan and design an Enterprise Backup and Recovery Solution.

Topics

- Downtime and Availability
- Backup Strategy
- Topology and Performance
- Backup and Archive 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.

Prerequisites

Required:
- HPE Storage Solutions V1, **AND/OR**
- HPE Storage Solutions V2

Duration

8 hours

Course Outline

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I. *Downtime and Availability*
    A. Quantifying downtime
    B. Causes of downtime
    C. Availability

II. *Backup Strategy*
    A. What is backup
    B. Availability technologies
    C. Data tiering
    D. Why is backup needed
    E. Types of backup
    F. Tape media drives and technologies
    G. Maintaining history

III. *Topology and Performance*
    A. Basic backup methods
    B. Storage Area Networks
    C. Network-Attached Storage (NAS)
    D. Backup and disaster recovery
    E. Backup encryption
    F. Capacity planning
    G. Tape-as-NAS

IV. *Backup and Archive Configurations*
    A. Simple backup configurations
    B. SAN-based backup configurations
    C. Remote backup configurations
    D. Virtualization-related backup configurations
    E. HPE Enterprise Secure Key Manager
    F. Tiered data retention for HPE StoreServ