

## Course Data Sheet

# HP Data Protector 9.x Essentials

Course ID: H4D08S	Course length: 4 days
Software version: 9.0x	Delivery formats: Instructor Led (ILT) and Virtual Instructor Led (VILT)
Lab version: 9.01	Training is also available as private, onsite and public sessions.
To order visit: <a href="http://www.hpe.com/fr/formation">www.hpe.com/fr/formation</a>	

## Course Description

This course provides the essential knowledge to enable storage administrators to configure and manage HP Data Protector software. The hands-on lab exercises reinforce the theory sessions to ensure a thorough understanding of backup and recovery concepts, the functionality of the software and its application to typical storage implementations.

## Audience / Job Roles

Storage and system administrators using HP Data Protector software, System Engineers, Consultants, Project Managers, Professional Services, and Sales.

## Course Objectives

Upon successful completion of this course, you should be able to:

- Install and distribute HP Data Protector software in your environment
- Configure the HP Data Protector software product
- Configure your tape and disk-based backup solutions for use with HP Data Protector software
- Use HP Data Protector software to run backups and restores, and monitor these sessions from both the Data Protector GUI and command line
- Manage the HP Data Protector software Internal Database (IDB)
- Create custom reports and notification procedures
- Secure your installation by configuring user access and adding security to the Cell Manager and DP client systems
- Prepare your client to recover from a disaster situation
- Understand the Data Protector processes and perform basic troubleshooting of your installation

## Prerequisites / Recommended Skills

To be successful in this course, you should have the following prerequisites or knowledge:

- System and Network Administration or equivalent experience.

## Learning Path

Depending upon your business role or interests, you can pursue either (or both) of the following learning paths:



## Certification

[HP ATP - Data Protector v9](#)

## Course Details

Module	Objectives
Module 1 - Introduction	Upon completion of this module, you will be able to: <ul style="list-style-type: none"><li>• Understand the course overview, agenda, logistics and additional resources</li></ul>
Module 2 - HP's Adaptive Backup and Recovery Solutions	Upon completion of this module, you will be able to: <ul style="list-style-type: none"><li>• Understand and explain HP's Adaptive Backup and Recovery strategy</li></ul>
Module 3 - Architecture	Upon completion of this module, you will be able to: <ul style="list-style-type: none"><li>• Identify the environment in which HP Data Protector Software operates</li><li>• Identify the components and structure of the Data Protector cell</li><li>• Describe the operational concept of the Data Protector and list basic tuning approaches</li></ul>
Module 4 - Installation	Upon completion of this module, you will be able to: <ul style="list-style-type: none"><li>• Plan an installation of Data Protector</li><li>• Understand the installation sequence</li><li>• Install the Data Protector Cell Manager</li><li>• Understand the remote installation concept</li><li>• Distribute Data Protector agent components to client systems</li><li>• Maintain an existing cell</li></ul>
Module 5 - Upgrade and Migration	Upon completion of this module, you will be able to: <ul style="list-style-type: none"><li>• Understand the prerequisites for a DP 9.0X Cell Manager migration</li><li>• Describe the supported update and migration paths</li><li>• Perform the IDB migration procedure</li></ul>
Module 6 - Licensing and Product Structure	Upon completion of this module, you will be able to: <ul style="list-style-type: none"><li>• Understand the Data Protector licensing model</li><li>• Understand the product structure of Data Protector</li><li>• Run the license and reporting tool</li></ul>

Module 7 - Backup Devices	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Describe configurable backup devices in Data Protector</li> <li>• Describe the concepts of Logical Devices in HP Data Protector</li> <li>• Configure tape and disk-based backup devices</li> <li>• Use Data Protector commands to check devices</li> </ul>
Module 8 - Media Management	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Describe the concepts of Media Management in HP Data Protector</li> <li>• Configure Media Pools and assign Media to them</li> <li>• Exchange media with different Data Protector cells via Media Export/Import</li> <li>• Implement Vaulting using multiple Media Pools</li> </ul>
Module 9 - Backup	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Create and generate backup specifications using the DP GUI and CLI</li> <li>• Understand how to use the advanced backup capabilities</li> <li>• Understand the backup processing flow</li> </ul>
Module 10 - Restore	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Understand and use the restore capabilities in HP Data Protector</li> <li>• Perform session and object restores</li> <li>• Perform single or parallel restores</li> <li>• Use the “Restore” context of the HP Data Protector GUI</li> </ul>
Module 11 - Monitoring, Reporting, Notification	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Monitor current session and browse for sessions that were performed in the past</li> <li>• Explain Data Protectors Reporting features</li> <li>• Configure a Report Group and add Reports to this group</li> <li>• Configure and modify Data Protector Notifications</li> </ul>
Module 12 - Media and Object Copy and Verification	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Perform interactive and scheduled duplication of Data Protector tape media</li> <li>• Perform interactive and scheduled duplication of Data Protector objects</li> <li>• Perform interactive and scheduled verification of Data Protector media and objects</li> </ul>
Module 13 - Object Consolidation	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Understand and explain Object Consolidation</li> <li>• Understand the requirements and principal work of Synthetic and Virtual Full Backups</li> <li>• Know how to configure and run an Object Consolidation</li> <li>• Know how to run Restores with Object Copies and Object Consolidations</li> </ul>
Module 14 - Internal Database (IDB)	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Understand and explain the concept of the IDB</li> <li>• Understand the architecture of the IDB</li> <li>• Perform IDB maintenance and administration tasks</li> <li>• Perform IDB backup and restore</li> <li>• Configure IDB related reports and notifications</li> <li>• Run a DR of the IDB</li> </ul>

Module 15 - Deduplication	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Understand how Deduplication technology works</li> <li>• Know the different Data Protector Deduplication configurations</li> <li>• Configure a B2D device for HW and SW Deduplication in Data Protector</li> <li>• Configure a backup specification with Deduplication</li> <li>• Configure an Object Replication between Deduplication devices</li> </ul>
Module 16 - Access Control and Security	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Control user access to the cell</li> <li>• Manage user groups in the cell</li> <li>• Configure user restrictions</li> <li>• Manage network access to the cell</li> </ul>
Module 17 - Auditing	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Understand and explain the available auditing methods</li> <li>• Activate and configure backup auditing</li> <li>• Create an backup audit report for a defined interval</li> <li>• Activate and monitor enhanced event logging</li> </ul>
Module 18 - Disaster Recovery	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• List the Data Protector methods to perform a Disaster Recovery</li> <li>• Explain the four phases to recover a system from a disaster</li> <li>• Perform a Disaster Recovery using EADR</li> </ul>
Module 19 - Patching	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Understand and explain the Data Protector strategy to address product issues and limitations</li> <li>• Download and install Data Protector GR Patches on Cell Manager, Installation Server and Data Protector Clients</li> <li>• Query Data Protector Clients to get a list of installed GR Patches</li> </ul>
Module 20 - Troubleshooting	<p>Upon completion of this module, you will be able to:</p> <ul style="list-style-type: none"> <li>• Find the various HP Data Protector log files</li> <li>• Enable the debug option</li> <li>• Collect and pack debug files</li> <li>• Use the HP Data Protector health check</li> <li>• Do basic troubleshooting</li> </ul>

## For more information

For further details, contact HPE Formation by e-mail: [institut.formation@hpe.com](mailto:institut.formation@hpe.com) or by phone: **08 10 00 18 31**