

# HPE Digital Learner Nimble Content Pack CP006

<b>HPE Content Pack</b>	CP006
<b>Content Pack category</b>	Category 1
<b>Content Pack length</b>	20 Hours
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#### Why HPE Education Services?

- IDC MarketScape leader 5 years running for IT education and training\*
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This Content Pack teaches students how to perform common management tasks including: array installation, creating volumes, protecting/recovering data with snapshots and replication. This course also covers system monitoring using Nimble Storage's InfoSight.

NOTE: Introduction to HPE Nimble Storage and InfoSight self-paced training has two components:

1. Web-based training available online.
2. Hands-on practice, available through the HPE Virtual Labs.

With this self-paced , you have options normally unavailable with an instructor-led course. You have a year of access to the web-based portion of the training, so that you may repeat sections for reinforcement. Take this training at your own pace and on your own schedule. You have 60 sequential days of access to the HPE Virtual Labs to run the labs associated with this course in a dedicated environment.

#### Audience

- Customer, Administrators and Channel Partner Sales or Technical Sales
- Describe the key features of HPE InfoSight predictive analytics

#### Content Pack objectives

By the completion of this Content Pack, the learner will be able to complete the following tasks using the Nimble Operating System.

- List the types of HPE Nimble Storage arrays currently available
- Perform basic management operations on the HPE Nimble web interface
- Initialize an HPE Nimble Storage array
- Manage volumes, volume collections, snapshots, and replication
- Manage the hardware of an HPE Nimble Storage array

## Detailed Content Pack outline

<b>Module 1: Hardware overview</b>	<ul style="list-style-type: none"> <li>• HPE Nimble Storage portfolio overview</li> </ul>	
<b>Module 2: Scaling with HPE Nimble Storage</b>	<ul style="list-style-type: none"> <li>• Scaling overview</li> <li>• Scale up</li> </ul>	<ul style="list-style-type: none"> <li>• Scale out</li> <li>• Scale out management</li> </ul>
<b>Module 3: HPE InfoSight</b>	<ul style="list-style-type: none"> <li>• Introduction to HPE InfoSight</li> <li>• HPE InfoSight: AI for the datacenter</li> <li>• Autonomous datacenter</li> <li>• Data collection and analytics</li> <li>• Predictive support</li> </ul>	<ul style="list-style-type: none"> <li>• Cross-stack analytics for VMware environments</li> <li>• Planning with HPE InfoSight</li> <li>• Getting started with HPE InfoSight</li> <li>• Using the dashboards</li> <li>• Infrastructure menu</li> </ul>
<b>Module 4: Pre-installation and racking</b>	<ul style="list-style-type: none"> <li>• Pre-installation checklist</li> <li>• Installing the array in the rack</li> <li>• Network ports</li> </ul>	<ul style="list-style-type: none"> <li>• Discovery addresses</li> <li>• Typical subnets</li> <li>• Best practices</li> </ul>
<b>Module 5: HPE Nimble OS</b>	<ul style="list-style-type: none"> <li>• AF series—Write operation</li> <li>• AF series—Read operation</li> <li>• HF series—Write operation</li> <li>• HF series—Cache eviction</li> <li>• HF series—Triple+ Parity RAID</li> <li>• HF series—Read operation</li> <li>• Comparison of AF and HF series read operations</li> <li>• Deduplication</li> <li>• Inline deduplication</li> </ul>	<ul style="list-style-type: none"> <li>• Deduplication process</li> <li>• Deduplication management</li> <li>• Compression</li> <li>• Common file systems</li> <li>• Triple+ Parity RAID with integrated spare</li> <li>• Rebuild process</li> <li>• SmartSecure encryption overview</li> <li>• Encryption settings</li> <li>• Master key generation</li> <li>• Volume key retrieval</li> </ul>
<b>Module 6: The HPE Nimble web interface</b>	<ul style="list-style-type: none"> <li>• HPE Nimble web GUI tour: Main menu</li> <li>• HPE Nimble web GUI tour: Home page</li> <li>• User roles</li> </ul>	<ul style="list-style-type: none"> <li>• Joining MS Active Directory</li> <li>• Creating a user account</li> <li>• Monitoring with the web GUI</li> <li>• OS upgrade</li> </ul>
<b>Module 7: Initial configuration</b>	<ul style="list-style-type: none"> <li>• HPE Nimble Storage Windows Toolkit</li> <li>• Array setup</li> <li>• Array initialization from the CLI</li> <li>• Initial array configuration</li> </ul>	<ul style="list-style-type: none"> <li>• Testing the configuration</li> <li>• Resources for monitoring the array</li> </ul>

<b>Module 8: Volumes</b>	<ul style="list-style-type: none"> <li>• Volumes: Overview</li> <li>• Volume concepts</li> <li>• Performance policies</li> <li>• Access control</li> <li>• Initiator groups</li> <li>• Protection templates</li> </ul>	<ul style="list-style-type: none"> <li>• Volume collections</li> <li>• Creating a volume collection</li> <li>• Volume pinning</li> <li>• Creating a volume</li> <li>• The HPE Nimble Storage Windows Toolkit (NWT)</li> <li>• The HPE Nimble Storage Connection Manager (NCM)</li> <li>• Connecting to a Windows host</li> </ul>
<b>Module 9: Snapshots</b>	<ul style="list-style-type: none"> <li>• What is a snapshot?</li> <li>• Snapshot lifecycle</li> <li>• Snapshot terminology</li> </ul>	<ul style="list-style-type: none"> <li>• Taking snapshots</li> <li>• Recovery from a snapshot</li> </ul>
<b>Module 10: Replication</b>	<ul style="list-style-type: none"> <li>• Replication overview</li> <li>• Replication components</li> <li>• How replication works</li> <li>• Replication partners</li> </ul>	<ul style="list-style-type: none"> <li>• Volume collection schedules</li> <li>• Replication considerations</li> <li>• Handover</li> <li>• Promote</li> <li>• Demote</li> </ul>

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