

# HPE Digital Learner Hybrid IT Essentials Content Pack

<b>HPE Content Pack number</b>	CP008
<b>Content Pack length</b>	30 Hours
<b>Content Pack category</b>	Category 1
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## Why HPE Education Services?

- IDC MarketScape leader 5 years running for IT education and training\*
- Recognized by IDC for leading with global coverage, unmatched technical expertise, and targeted education consulting services\*
- Key partnerships with industry leaders OpenStack®, VMware®, Linux®, Microsoft®, ITIL, PMI, CSA, and SUSE
- Complete continuum of training delivery options—self-paced eLearning, custom education consulting, traditional classroom, video on-demand instruction, live virtual instructor-led with hands-on lab, dedicated onsite training
- Simplified purchase option with HPE Training Credits

The Hybrid IT Essentials Content Pack for IT generalists provides essential skills necessary to bring unparalleled flexibility and scalability to the business. This Content Pack delivers six separate learning paths covering Servers, Composable Infrastructure, Networking, Data and Analytics, and Storage. Each learning path includes more than four hours of high-quality, self-paced technical training and additional resources. This training provides a working knowledge of the HPE solution providing technical features, benefits and basic functions. This Content Pack includes more than 30 hours of training that is also refreshed as appropriate throughout the subscription term. This content will be updated over the subscription period to coincide with new product announcements and other important updates.

## Audience

Training is geared towards IT generalists, IT decision makers, IT staff, new hires, partners, and other technical staff, including both users of HPE technology as well as those that manage IT technical staffs or have a role in influencing IT strategy.

## Recommended learning

HPE recommends that students starting this Content Pack have an interest in increasing expertise in the core areas of HPE technology offerings. Learner must have access to the internet with an up-to-date browser, and a computer with audio playback powerful enough to view streaming video.

## Content Pack objectives

Each learning path within the Essentials Hybrid IT Content Pack provides Essential training on HPE Servers, Composable Infrastructure, Cloud, Data Networking, Big Data and Analytics which will assist the learner to understand features, benefits and basic operations. The Essentials Hybrid IT Content Pack should be considered as a prequel or stepping stone to specialist content packs or instructor-led training (ILT) for those learners requiring deeper knowledge.

\*Realize Technology Value with Training, IDC Infographic 2037, Sponsored by HPE, October 2017

## Detailed Content Pack outline

### Composable Essentials

#### Essentials of HPE Synergy Solutions Overview, Rev.18.31

This course presents an introduction to the HPE Synergy Solution system and provides the information necessary to prepare the learner to take more advanced training on the HPE Synergy Solution. This course covers the HPE Synergy Solution system including the 2018 release of the Synergy Gen10 modules and components.

Course topics include a tour of the HPE Synergy system and its components, installation and configuration information, coverage of the management interfaces, firmware updates, and troubleshooting information.

#### Outline

##### Module 1 : What is HPE Synergy?

- What is HPE Synergy?

##### Module 2: Product Overview

- Lesson 1: Synergy 12000 Frame
  - Overview of Synergy 12000 Frame
    - Interactive Frame diagram
  - Frame front
  - Frame rear
  - Midplane overview
  - Midplane walkaround
  - Power supplies
  - Fans
  - Bay numbering
  - Frame networks
- Lesson 2: Compute modules
  - Common components
    - Processors Intel Xeon Gen9 and Gen10 processors
    - Memory DDR4 DIMMs
    - Mezzanine cards
    - Storage controllers
    - Local storage drives SFF drives and FF drives
    - Front panel
    - Mezzanine cards
  - HPE Synergy 480 Gen9 HH module single blade
    - Front view
    - Internal view
    - System board view
    - Mezzanine connectors
  - HPE Synergy 660 Gen9 FH module single blade
    - Front view
    - Internal view
    - System board view
    - Mezzanine connectors
- Lesson 3: Storage module
  - Components
  - I/O module
  - Disk configuration
  - Storage configuration
- Lesson 4: Interconnect modules
  - Overview: interconnect modules
  - Mezzanine card mapping
  - Virtual Connect SE 40Gb F8 module
  - Synergy 40Gb F8 Switch module
  - Virtual Connect SE 16Gb FC Module
  - Brocade Fibre Channel SAN Switch Module
  - Synergy 10Gb Interconnect Link Modules

- HPE Synergy 480 Gen10 HH module single blade
  - Front view
  - Internal view
  - System board view
  - Mezzanine connectors
  - Comparison with 480 Gen9
  - Synergy 480 graphics option
  - Overview
  - HPE SY 480 MXM
  - Multi-MXM expansion module
  - PCIe expansion module
- HPE Synergy 660 Gen9 FH module single blade
  - Front view
  - Internal view
  - System board view
  - Mezzanine connectors
  - Comparison with 660 Gen9
- HPE Synergy 620 Gen9 FH module single blade
  - Front view
  - Internal view
  - Management daughter card
  - Links
  - Drive bay numbering
- HPE Synergy 680 Gen9 FH module dual blade
  - Front view
  - Compute module links
  - Mezzanine
  - Drive bay numbering
- Synergy 20Gb Interconnect Link Modules
- Synergy 10Gb Pass-Thru Module
- Synergy 12Gb SAS Connection Module
- Mellanox SH2200 Switch Module
- Lesson 5: Management modules
  - Synergy Composer
  - Synergy Image Streamer
  - Front panel console
  - Frame Link module connections, mapping
- Build a Frame interactive exercise of drag and drop components on Frame
- Key takeaways

#### Module 3: Hardware Install and Configure

- Lesson 1: Installation requirements
  - Installation requirements power, space, cooling, rack
- Lesson 2: Product configurations
  - Synergy configuration and frame fabrics
  - Synergy Frame configuration rules
  - Power supply configuration

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- Interconnect module configurations
  - Networking fabric configurations
  - Network cabling interactive exercise
  - M-LAG support
  - Storage module configurations
  - Synergy Planning Tool
- Warranty
  - Lesson 3: Troubleshooting an installation
    - Troubleshooting tools
    - Resolving common setup issues
  - Key takeaways
- 

### Essentials of Installing and Configuring HPE OneView

This Essentials course consists of the first module of HPE OneView Administration, a five-module training series that covers the installation and management of HPE OneView 4.0 as part of the HPE Digital Learner Composable Content Pack. Following an overview of HPE OneView 4.0 and product documentation, you will learn about product deployment, initial configuration and guided setup. The course finishes with information on backing up the OneView appliance.

### Outline

#### Module 1: Installing and Configuring HPE OneView

- List the main new features in HPE OneView 4.0
- Locate HPE OneView product documentation and resources

- Retrieve support information from the HPE OneView Support Matrix
  - Install and configure HPE OneView
  - Perform a guided setup
  - Back up a OneView appliance
- 

### HPE Composable Infrastructure Video Series

A set of technical videos covering HPE OneView, Synergy, SimpliVity and other Composable topics.

### Outline

- Video - Chef Automate on HPE Synergy: Data Centers that Run Automatically
- Video - Tech Dive: HPE Synergy Composable Systems Overview
- Video - Introduction to HPE Composable Infrastructure
- Video - HPE OneView: HPE Synergy integration with Cisco ACI
- Video - Composable Infrastructure: The Best of Both Worlds with HPE and VMware
- Video - Accelerating DevOps with HPE OneView and Chef
- Video - Accelerating DevOps with HPE OneView and Ansible

- Video - 5 Ways to Protect Your Data with the HPE SimpliVity Platform
  - Video - 8 Reasons: Why customers are choosing HPE SimpliVity
  - Video - 60 Seconds to Back up and Restore a VM and HPE SimpliVity
  - Video - TierPoint and HPE—Freeing Up IT Resources with Cloud Services
  - Video - 5-Minute Demonstration of HPE SimpliVity
  - Video - HPE SimpliVity 380: Converge your Entire Infrastructure
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## Data and Analytics Essentials

### Artificial Intelligence for Business Users, Rev. 18.21

This course provides a general overview of Artificial Intelligence (AI), how this technology can be used to support business growth and what steps your organization could take in order to enable the utilization of AI.

#### Outline

##### Module 1: Introduction to Artificial Intelligence

- What is all the buzz about AI
- Intelligence and artificial intelligence
  - Intra-relationships of AI, ML, DL
- History of AI
- How big data has enabled us to make data actionable
- Why AI is an integral part of our daily lives
- Common themes for AI

##### Module 2: Machine Learning and Deep Learning

- Key AI roles
- The opportunities AI provides for organizations
- AI applications in different industries
- Data sources
- How does machine learning work

##### Module 3: HPE Pointnext AI Services

- HPE Pointnext AI services
- Approach for businesses implementing AI
- Key AI tenants
- AI autonomous datacenter
- Getting started on Digital Prescriptive Maintenance

##### Module 4: AI Use Cases

- Automotive industry—Connected Cars
- Healthcare industry—Computer Assisted Diagnose
- Finance industry—Fraud Detection
- Enterprise—Natural Language Processing Use Cases
- Connected Vehicle Use Cases
- Smart City Use Cases
- Smart Manufacturing Use Cases
- Precision Agriculture Use Cases

### HPE Big Data Overview

This session provides an overview to the opportunities and challenges that customers face when they evaluate and then implement big data solutions. During this webinar, we will also discuss HPE big data strategies and how HPE helps customers solve their most difficult big data problems.

#### Outline

##### Module 1: Welcome to the Course

- Welcome
- Business intelligence platform types
- HPE strategy and services

##### Module 2: Challenges and Opportunities

- Data landscape
- Data processing
- Barriers to success – question
- Big data – lessons learned
- Hadoop and the data lake
- Challenges in maximizing value with Hadoop
- Challenges with legacy systems
- Evolution of Hadoop
- Typical use case: EDW modernization with Hadoop

- Deep learning
- Evolution of leveraging analytics
- Machine learning and common techniques
- Trends in deep learning hardware

##### Module 3: HPE Big Data Strategy

- Big data trends
- Data solutions
- Data Lakes
- Hadoop ecosystem
- SMACK stack
- Hadoop add-on solutions
- HPE Enterprise Hadoop

##### Module 4: HPE Pointnext

- HPE Pointnext and the big data ecosystem portfolio
- HPE Pointnext lifecycle
- Hadoop services across the lifecycle

### Data and Analytics Video Series

This is a series of technical videos covering technical aspects of data and analytics.

- Video - Intelligent Storage has Arrived
- Video - HP OEM Connect: HPE Apollo 2000 & 4000 System Overview
- Video - Choosing the Right Infrastructure for your Data Driven Organization
- Video - End-to-end Private Big Data Analytics
- Video - Why HPE Solutions for SAP HANA

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## Hybrid Cloud Essentials

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### Essentials of Using OpenStack® Technology

Use the OpenStack® software to quickly create and attach storage volumes to virtual machines. Learn how to create private networks for a multi-tier environment and launch a stack using the orchestration component of OpenStack.

#### Outline

- Lesson 1: Introduction to OpenStack
  - Welcome and objectives
  - What is OpenStack
  - Tour of the OpenStack dashboard
  - Key takeaways
- Lesson 2: Starting with OpenStack
  - Working with images and instances
  - Using the DevStack environment
  - Touring the OpenStack dashboard
  - Signing in to OpenStack
  - Creating a server instance in OpenStack
- Lesson 3: Creating an instance with secure access
  - Understanding OpenStack identity objects
  - Securely accessing an instance
  - Leveraging OpenStack network resources
  - Managing the instance lifecycle
  - Taking a snapshot of an instance

- Lesson 4: Adding a block storage volume to an instance
  - Understanding ephemeral and persistent storage
  - Attaching and mounting a storage volume to an instance
  - Creating a volume snapshot
  - Creating a consistency group
- Lesson 5: Creating a bootable storage volume
  - Defining ephemeral storage
  - Defining persistent storage
  - Launching a bootable volume
  - Considerations for creating a bootable volume
- Lesson 6: Working with storage objects
  - Summary of the object storage service
  - Examining the project
- Lesson 7: Creating a multitier environment
  - Creating a multitier environment
  - OpenStack network resources
- Lesson 8: Creating a stack using orchestration
  - Overview of the orchestration service
  - What you can do with orchestration
  - How orchestration works

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### Azure in a Hybrid World: Foundations

This course surveys the fundamental Azure technologies for hybrid computing, including networking, identity, and management.

#### Outline

- The reality for most organizations: a hybrid environment
- Azure networking services
  - Virtual Network and VPN Gateway
  - ExpressRoute
- Azure identity services
  - Azure Active Directory
  - Azure Active Directory MFA
  - Enterprise Mobility + Security

- Azure management services
  - Insight and analytics
  - Automation and control
  - Protection and recovery
  - Security and compliance

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### Azure Stack for Enterprises

This course introduces Azure Stack, providing a high-level overview and benefits to enterprise businesses.

#### Outline

- Challenges for enterprise IT in the cloud era
- What a private cloud should provide
- Why enterprise businesses want Azure Stack
  - Cloud services on premises

- Portability of applications and data
  - Access to current technologies
  - Deploying Azure Stack
  - Using Azure Stack
-

**HPE Hybrid Cloud Video Series**

This is a set of technical videos covering HPE OneSphere, cloud strategy with storage and other hybrid cloud topics.

- Video - Intro to HPE OneSphere Multicloud Management Platform
- Video - Why HPE OneSphere Works – Hear from customers
- Video - Reimagining your Cloud Strategy with Storage that's Built for Cloud
- Video - HPE GreenLake Hybrid Cloud
- Video - Hyper Convergence and Hybrid Cloud--Ready, Set GROW!

**Networking Essentials**

**HPE Multitenant Device Context (MDC)**

This self-paced seminar is an introduction to the HPE Multitenant Device Context (MDC). HPE MDC helps organizations consolidate switch hardware and reduce TCO. This course includes a 3-4 hour WBT and a 3-4 hour hands-on lab where you will configure MDC.

**Outline**

**Module 1: Feature Overview**

- MDC overview
- IRF versus MDC
- MDC features
- MDC applications

**Module 2: MDC Benefits Overview**

- MDC benefits

**Module 3: Supported Platforms**

- Supported products

**Module 4: Use Case 1, Datacenter Change Management**

- Overview
- Development network
- Quality Assurance (QA) network

**Module 5: Use Case 2, Customer Isolation**

**Module 6: Use Case 3, Infrastructure and Customer Isolation**

**Module 7: Use Case 4, Hardware Limitation Workaround**

**Module 8: MDC Numbering and Naming**

**Module 9: Architecture**

- Control plane
- ASICS
- ASIC control
- Hardware limits
- Console ports

**Module 10: Design Considerations**

- ASIC restrictions
- Platforms

- Module 11: Configuration Steps
- Module 12: Network Virtualization Types
  - RF
  - MDC
  - MDC and IRF
- Module 13: IRF-Based MDC
  - IRF based MDC use bases
  - Virtualization hierarchy
  - MDC and IRF on 12500/12500E
  - IRF-based MDC use bases
  - Virtualization hierarchy
  - MDC and IRF on 12500/12500E
- Module 14: MDC and ISSU
- Module 15: MDC Deployment Best Practices
  - Avoid using MDC 1 for production networks
  - MDC Role Based Access Control (RBAC)
  - Use multiple links on different LPUs to prevent IRF
  - Connect MDC IRF links correctly on 12500/12500E
  - Minimize traffic on MDC IRF-port by deploying MLAG links to ToRs/servers or other devices
- Module 16: Sample MDC Configurations
  - Admin MDC
  - Non-default MDC

**Detailed lab outline**

Configure the MDC feature on a chassis device

Verify the MDC operation

**HPE Ethernet Virtual Interconnect (EVI)**

This self-paced seminar is an introduction to the HPE Ethernet Virtual Interconnect (EVI). HPE EVI extends layer 2 networks across data centers and enables VMs to be easily moved to any data center. This course includes a 3-4 hour WBT and a 3-4 hour hands-on lab where you will configure EVI.

**Outline****Module 1: EVI Overview**

- Introduction to EVI
- EVI operation
- EVI configuration

**Module 2: Supported Products**

- Chassis models
- Router models

**Module 3: EVI Operation**

- EVI terminology
- EVI concepts
- EVI network
- EVI neighbor discovery
- EVI traffic forwarding process

**Module 4: EVI Traffic Optimization**

- ARP suppression
- Selective flooding

**Module 5: EVI IS-IS Maximum MAC Address**

- Announcement

**Module 6: Design Considerations**

- Automatic loop avoidance

**Module 7: Distributed L3 Gateway**

- Active/active DC design
- Active/stand-by DC design

**Module 8: WAN Link Load Balancing****Module 9: Location Awareness****Module 10: Encryption Support**

- Layer 2 based encryption – MacSec
- Layer 3 based encryption – Ipsec

**Module 11: Hybrid Cloud Solution with EVI /VSR****Module 12: HSR/MSR for End-to-End DC Cloud Solution****Module 13: Configuration Steps for EVI**

- Basic configuration steps for EVI
- Step 1: Configure the EVI Site-ID (optional)
- Step 2: Configure the Transport Interface
- Step 3: Configure the EVI Tunnel Interface
- Step 4: Configure the EVI Network ID
- Step 5: Configure the extended VLANs
- Step 6: Configure ENDS
- Step 7: Configure ENDC
- Step 8: Verify

**Advanced Configuration Options**

- Advanced Step 9: ARP suppression
- Advanced Step 10: selective flooding
- Advanced Step 11: virtual system IDs

**Detailed lab outline**

Establish an exterior Border Gateway Protocol (eBGP) session between two peers

Establish an EVI tunnel between the 3 customer sites  
Verify the EVI functionality utilizing Layer 3 interfaces on either end of the EVI tunnel

**HPE Intelligent Resilient Framework (IRF)**

This self-paced seminar is an introduction to HPE Intelligent Resilient Framework (IRF). HPE IRF creates a large IRF virtual device from multiple devices to provide fast failover, scalability, manageability and high availability. This course includes a 3-4 hour WBT and a 3-4 hour hands-on lab where you will configure IRF.

**Outline****Module 1: HPE IRF Virtualization****Module 2: Traditional Network Issues**

- Slow network convergence
- Management complexity
- Poor performance
- Too many tradeoffs

**Module 3: IRF Advantages**

- Design and operational simplification
- Flatter topology
- Higher efficiency
- Scalable performance
- Faster failover
- Distributed high availability and resiliency
- Geographic resiliency
- In-Service-Software-Updates (ISSU)

**Module 4: IRF versus STP****Module 5: Supported Comware Products****Module 6: IRF Analogy**

- Chassis based switches
- Chassis based switches with IRF

**Module 7: IRF topologies**

- Daisy chain
- Ring

**Module 8: IRF components**

- Topology collection
- Logical IRF ports
- IRF domain
- Member IDs

**Module 9: IRF Resiliency**

- N:1
- Protocol information
- Link
- IRF port

**Module 10: Electing a Master****Module 11: Switch Configuration Files****Module 12: IRF Topology and Forwarding Traffic**

- Switching at layer 2
- Routing at layer 3

**Module 13: IRF Split Stack Condition****Module 14: Multiple Active Devices (MAD)**

- Functions of MAD
- MAD implementations

**Module 15: Detecting a Split Stack**

- Comware LACPUs
- BFD

**Module 16: Preventing Conflicts and Stack Recovery**

- Module 17: IRF Configuration Steps

**Detailed lab outline**

Configure multiple switches as an IRF virtual switch

Implement Multi-Access Detection (MAD) to prevent split brain situations

**Server Essentials**

**HPE ProLiant Gen10 Servers Essentials**

This course presents an overview of the HPE Gen10 server products, including HPE ProLiant BL460c Gen10, HPE ProLiant DL360 Gen10, HPE ProLiant DL380 Gen10, and HPE ProLiant DL560 Gen10.

**Outline**

- Product description
- Key features
- What's new?
- External hardware views
- Internal hardware views

- Options
- Software key features
- Services and warranty
- Key takeaways

**HPE ProLiant Gen10 Embedded Server Management Essentials**

This course introduces HPE ProLiant Gen10 Embedded Management tools and software. The course provides a high level tour of each tool's theory of operations, comparison with previous versions, and unique functions and features.

**Outline**

- Overview
- Agentless management
- Active Health System Viewer
- iLO

- iLO Amplifier Pack
- Intelligent provisioning
- RESTful
- Smart Update
- UEFI
- Services and warranty

**Getting Started with HPE iLO 5**

This course is essential training for system, network, and storage administrators who need a comprehensive tool for managing HPE ProLiant Servers in their IT environments. It covers the features and functions available in the newest generation of the integrated Lights-Out (iLO 5) that ships with all HPE ProLiant Gen10 servers. Students will get a chance to tour the completely redesigned web browser interface and practice the tasks to learn how to set up, configure, maintain, and monitor their server.

**Module 1: Tour of HPE iLO 5**

- Introducing HPE iLO 5
- Reviewing the features of iLO 5
- Navigating around iLO 5
- Comparing the licenses
- Key takeaways

**Module 2: Setting up HPE iLO 5**

- Reviewing the phases of setup
- Locating the iLO ports on your server
- Preparing to set up iLO
- Setting up iLO using the configuration utility
- Logging in to iLO the first time
- Setting up user roles
- Applying the license key
- Installing the iLO driver
- Key takeaways

**Module 3: Securing the Server**

- Reviewing iLO 5 security features
- Comparing licensed security features
- Exploring the meaning of Silicon Root of Trust
- Securely updating the server
- Key takeaways

**Module 4: Using iLO 5 Every Day**

- Using remote features
- Performing common tasks
- Updating the firmware
- Key takeaways

**Module 5: Responding to System Events**

- Troubleshooting workflow
- Recognizing issues
- Running diagnostics
- Viewing System Health Summary
- Downloading and viewing AHS logs
- Consult HPE support site
- Common issues
- Key takeaways

**Module 6: Resources for More Information**

- Links to documents in this site and more
- Links to activities provided in this course



**HPE Servers, ask the IT Expert Video Series**

Software-defined, cloud-enabled enterprise servers and systems that help you operate at business speed

**Outline**

- Video - HPE DL325 White board video
- Video - HPE ProLiant DL385 Gen10 Exploded View
- Video - Redfish and How it Works with HPE Server Management
- Video - Anywhere Access to HPE ProLiant Gen10 Servers
- Video - Recommended Security Settings in HPE iLO5

- Video - HPE iLO Active Health System and Viewer
- Video - Integrated Lights Out Licensing
- Video - Top Ten Settings for HPE iLO5
- Video - HPE iLO5 Management Backup and Restore
- Video - Firmware Updates via HPE iLO5

**High Performance Computing Videos**

High-performance computing products and expertise that make supercomputing more accessible and affordable for organizations and industries of all sizes. Visit <http://HPE.com/HPC> to learn more.

**Outline**

- Video - HPE Apollo 6500 Gen10 System: Accelerated Computing for Deep Learning/AI and HPC
- Video - The Texas Advanced Computing Center— Powering Sustainable Supercomputing
- Video - Weta Digital: Bringing the Hobbit to Life with HPE Compute

- Video - Industry Standard Alternative to IBM Power Infrastructure with HPE Integrity Superdome X
- Video - HPE Superdome Flex Techsplanation
- Video - What is deep learning?
- Video - What is Artificial Intelligence?

**Storage Essentials**

**Essentials of Managing HPE 3PAR StoreServ I Self-Paced Training, Rev 18.11**

This Storage Essentials course contains the first four modules of the full Managing HPE 3PAR StoreServ I self-paced course available in the HPE Digital Learner 3PAR Content Pack. The goal of the class is to acquaint the 3PAR administrator with the concepts of the HPE 3PAR technology together with most common day-to-day tasks and best practices associated with administration of the 3PAR array. The levels of provisioning storage are emphasized. This training reflects the release of the HPE 3PAR OS: 3.3.1.

**Outline**

**Module 1: Course Introduction**

- Course description
- Course menu
- How to take this course
- Learning tools

**Module 2: Hardware Architecture**

- Hardware models
- Array building blocks (7000/8000)
- Array building blocks (9000/20000)
- 7000/8000 port numbering
- 7000/8000 expansion cages
- 7000/8000 disk numbering
- 9000/20000 controllers, adapters, and port numbers
- 9000/20000 drive enclosures
- 9000/20000 disk numbering
- ASIC
- Storage architecture
- Connectivity
- Key takeaways

**Module 3: Logical Architecture**

- Virtual volume concept
- Chunklet concept
- More on chunklets
- How spare chunklets work
- Common provisioning groups (CPGs)
- Default CPGs

- Virtual volume overview
- Logical disk
- CPG: RAID 1
- CPG: RAID 5
- CPG: RAID 6
- High resiliency with RAID 6
- Set size and availability
- Thin provisioning advantages
- CPG examples
- RAID 5 set size and availability example
- RAID 5 enablement
- Growth settings
- Step size
- Subset
- Capacity allocation
- Key takeaways

**Module 4: Management**

- Management options
- What is SSMC?
- Logging in to SSMC
- Touring the Dashboard
- Accessing the main menu
- Context areas and wizards
- Accessing online help
- Logging out of SSMC
- Demo: SSMC walkaround
- Installing SSMC
- Accessing the administrator console

- Adding an array
- Performing searches
- Area filtering
- Detail maps
- Performance view
- SSMC settings
- Activity screen
- CLI login
- Useful CLI commands
- Key takeaways

**Essentials of HPE Nimble Storage and InfoSight Analytics, Rev 18.41**

This Essentials course consists of the first three modules of the HPE Nimble Storage and InfoSight Analytics which introduces learners to the topics of Nimble hardware overview, scaling options, HPE InfoSight, pre-installation and racking.

- Outline**
- Module 1: Hardware Overview**
- HPE Nimble Storage portfolio overview
- Module 2: Scaling with HPE Nimble Storage**
- Scaling overview
  - Scale up
  - Scale out
  - Scale out management
- Module 3: HPE InfoSight**
- Introduction to HPE InfoSight
  - HPE InfoSight: AI for the datacenter
  - Autonomous datacenter
  - Data collection and analytics
  - Predictive support
  - Cross-stack analytics for VMware environments
  - Planning with HPE InfoSight
  - Getting started with HPE InfoSight
  - Using the dashboards
  - Infrastructure menu

**HPE 3Par Storage Video Series**

A series of technical videos covering technical aspects of the HPE 3PAR Storage Product

- Outline**
- Video - 170525 HPE 3PAR StoreServ Portfolio ChalkTalk
  - Video - 171106 3PAR and VMware vRO demo
  - Video - 180209 HPE 3PAR Chef Cookbook demo
  - Video - 180305 HPE 3PAR OS Customer Self Upgrade demo
  - Video - 180313 HPE 3PAR and InfoSight Cross Stack Analytics demo
  - Video - 180710 3PAR and Oracle ASRU Reclamation demo
  - Video - 180724 HPE 3PAR Storage Portfolio ChalkTalk
  - Video - 180727 Running Oracle in a Container with 3PAR Docker plug-in demo
  - Video - 180803 3PAR Peer Persistence demo

**HPE Nimble Storage Video Series**

A series of technical videos covering technical aspects of the HPE Nimble Storage product.

- Outline**
- Video - 170516 Nimble Storage Secondary Flash Array ChalkTalk
  - Video - 170524 Nimble Storage Overview ChalkTalk
  - Video - 170904 Converged Architecture with Nimble from VMworld
  - Video - 170924 Converged Architecture 700 with HPE Nimble Storage ChalkTalk
  - Video - 171102 HPE Nimble Storage and Application Snapshots with vVols demo
  - Video - 171102 HPE Nimble Storage OS v5 and vVols demo
  - Video - New Nimble Storage ChalkTalk
  - Video - New HPE Nimble Storage All Flash Array Walkthrough
  - Video - HPE Nimble Storage More than SMB

**HPE MSA Storage Video Series**

A series of technical videos covering technical aspects of the HPE MSA Storage product

- Outline**
- Video - HPE MSA Storage Portfolio ChalkTalk
  - Video - HPE Storage 5th Generation MSA
  - Video - HPE MSA Storage Best Practice for Expansion Module Firmwar
  - Video - Configuring Storage using HPE MSA 2040
  - Video - Easily Keep your HPE MSA Firmware Updated
  - Video - HPE MSA Best Practice for Controller Firmware Update

Learn more at  
[www.hpe.com/ww/digitallearner](http://www.hpe.com/ww/digitallearner)

[www.hpe.com/ww/digitallearner-contentpack](http://www.hpe.com/ww/digitallearner-contentpack)

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