HPE Digital Learner InfoSight Analytics Professional Content Pack

The HPE Digital Learner InfoSight Analytics Professional Content Pack provides an overview and hands-on lab exercises covering the AI-driven management and predictive analytics features and functionality of InfoSight. In this course, you use HPE InfoSight to analyze performance issues and to gain recommendations for HPE Primera, HPE 3PAR, HPE Nimble, HPE servers, HPE SimpliVity and HPE virtualization infrastructure solutions. This course is updated to include new and advanced features of HPE InfoSight.

The InfoSight Analytics Professional Content Pack has two components:
• eLearning—available online
• Hands-on labs, via a virtual environment—available through HPE vLabs

You can repeat sections of the training for reinforcement at your own pace and on your own schedule. You have 30 sequential days of access to the HPE vLabs virtual environment.

Audience
The training targets HPE Primera, HPE 3PAR StoreServ, HPE Nimble, HPE server, HPE SimpliVity, and HPE virtualization customers who are new to the HPE InfoSight portal.

Prerequisites
No previous experience with storage arrays and virtualization is necessary, but some knowledge of storage array and virtualization terminology is recommended.

Content Pack objectives
After completing this course, students will be able to:
• Describe device registration requirements
• Navigate dashboards
• Analyze performance issues
• Analyze recommendation insights
• Forecast storage, server, and virtualization requirements
## Detailed course outline

### Module 1: Introduction to HPE InfoSight
- What HPE InfoSight can provide
- Review of HPE InfoSight case studies
- Discuss the three core features of HPE's intelligent storage AI vision (self-managing, self-healing, self-optimizing)
- Identify the three pillars of how HPE leads AI for hybrid cloud (customer impact, cloud-based AI platform, cross-stack telemetry)
- Identify the HPE Infosight O-L-P-R-A model (observing, learning, predicting, recommending, acting)
- List what HPE Infosight sees and predicts behind the scenes
- Describe the AI process for self-healing storage (telemetry, scan, identify, fingerprint, signature, automated case lifecycle)
- Describe the two requirements of predictive analytics (analytics/automation and AI recommendation engine)
- Describe the architecture of the AI recommendation engine
- List the common questions and answers that drive prescriptive insights
- List the top five insights of Cross-Stack Analytics
- Discuss the value of resource planning
- Describe the four areas of HPE InfoSight's unique value

### Module 2: HPE InfoSight Portal and Product Support Paths
- Login to HPE InfoSight portal using HPE Passport
- Navigate and configure the HPE InfoSight home/landing page
- HPE InfoSight portal and product support paths

### Module 3: HPE InfoSight for Nimble Storage
- HPE InfoSight for Nimble Storage support strategy
- InfoSight for Nimble initial configuration
- InfoSight for Nimble Storage theory of operation
- InfoSight for Nimble Storage connectivity prerequisites
- InfoSight for Nimble Storage wellness issues
- HPE InfoSight labs for Nimble Storage

### Module 4: HPE InfoSight for Primera, 3PAR StoreServ
- HPE InfoSight for Primera, 3PAR StoreServ organization creation and device enrollment
- General use of UI
- HPE InfoSight for Primera, 3PAR StoreServ frequently asked questions (FAQs)

### Module 5: HPE InfoSight for Servers
- HPE InfoSight for Servers support strategy
- Initial configuration
- InfoSight for Servers theory of operation
- InfoSight for Servers connectivity prerequisites
- InfoSight for Servers user management
- InfoSight for Servers Infrastructure, Wellness and Operational Dashboards
- InfoSight for Servers email notifications
- HPE InfoSight for Servers frequently asked questions (FAQs)

### Module 6: HPE InfoSight Cross-Stack Analytics for VMware®
- Cross-Stack Analytics
- HPE Nimble Cross-Stack Analytics configuration
- HPE Primera Cross-Stack Analytics configuration
- HPE 3PAR Cross-Stack Analytics configuration
- Cross-Stack Analytics case study

### Module 7: InfoSight for HPE SimpliVity
- The what, why and how
- HPE SimpliVity and servers
- Requirements for InfoSight on HPE SimpliVity
- Getting connected: general diagnostic process
- InfoSight portal features for HPE SimpliVity
- Visibility: data center, cluster and host details
- Predictive analytics
- VM resource utilization
- Registering the HPE SimpliVity plug-in for vSphere® client

### Module 8: Course Review and HPE InfoSight Lab Challenge
- HPE InfoSight coverage across the HPE portfolio
- Review learning objectives
- Review how to access available resources
## Detailed lab outline

### Lab 1: General Navigation
- Activity 1: Dashboards view
- Activity 2: Infrastructure view
- Activity 3: Configuration management (admin profile required)
- Activity 4: System information and filter display
- Activity 5: Using URLs and bookmarks

### Lab 2: InfoSight Portal Help Navigation
- Activity 1: InfoSight portal help navigation

### Lab 3: HPE Infosight for Nimble Storage
- Lab 3 Exercise 1: HPE Nimble dashboard view
  - Activity 1: The HPE Nimble Storage Operational Dashboard
  - Activity 2: The HPE Nimble Storage Executive Dashboard
  - Activity 3: The HPE Nimble Storage Wellness Dashboard
  - Activity 4: The HPE Nimble Storage Capacity Dashboard
  - Activity 5: The HPE Nimble Storage Labs Dashboard
- Lab 3 Exercise 2: HPE Nimble Storage infrastructure
  - Activity 1: HPE Nimble storage infrastructure pools
  - Activity 2: HPE Nimble storage infrastructure arrays
  - Activity 3: HPE Nimble storage infrastructure volumes

### Lab 4: HPE InfoSight for HPE Primera and 3PAR StoreServ
- Lab 4 Exercise 1: HPE Primera and 3PAR StoreServ dashboard view (classic and system)
  - Activity 1: Using the HPE Primera and 3PAR StoreServ dashboard
  - Activity 2: Re-arranging tiles
  - Activity 3: Adding/removing tiles from dashboard
  - Activity 4: Filtering the dashboard display using tile data
  - Activity 5: Working with graph dashlets
- Lab 4 Exercise 2: HPE Primera and 3PAR StoreServ Infrastructure View
  - Activity 1: The HPE Primera and 3PAR StoreServ infrastructure view
  - Activity 2: Details view
  - Activity 3: Exploring additional system detail views
  - Activity 4: Infrastructure > HPE Primera and 3PAR StoreServ > systems

### Lab 5: HPE Infosight for Servers
- Activity 1: View all servers at a glance
- Activity 2: Analyzing event logs, server hardware, firmware and software

### Lab 6: HPE InfoSight Cross-Stack Analytics for VMware
- Activity 1: Viewing virtualization data from VMware
- Activity 2: Contention tree maps and trends

### Lab 7: HPE InfoSight for HPE SimpliVity
- Activity 1: View data center details
- Activity 2: View cluster details
- Activity 3: View details for top virtual machine contributors
- Activity 4: View details for HPE OmniStack hosts
- Activity 5: View details for virtual machines
- Activity 6: View details for cluster storage efficiency
- Activity 7: View details for cluster and host capacity

### Lab 8: HPE InfoSight Analytics Professional—Challenge
- Lab 8 Exercise 1: HPE servers
- Lab 8 Exercise 2: HPE 3PAR StoreServ
- Lab 8 Exercise 3: HPE Primera storage
- Lab 8 Exercise 4: Cross-Stack Analytics