HPE Synergy Test Drive Composability
H0LN7S

Test drive HPE Composability and by end of day provision, deploy and recompose HPE Synergy Compute Nodes meeting rapidly evolving organizational IT goals. This session equips participants with core capabilities to Compose HPE Synergy Compute, Storage, and Network Fabrics. Participants will use HPE Synergy Composer in a configured Day-1 setup similar to what is seen in configured implementations. Participants will rapidly compose and recompose available pools of infrastructure resources. The day will consist of 30% lecture and 70% hands on lab exercises.

Audience
Administrators, Architects, Engineers interested in configuring and composing HPE Synergy resources.

Course Objectives
- Review and update deployed configurations for an HPE Synergy 2-Frame deployment Synergy environment
- Provision using Server Profile Templates and Server Profiles
- Verify deployed resources with HPE Global Dashboard
- Composing with SAN Storage (optional based on interest)

Prerequisites
None

Detailed Course Outline
Module 1: HPE Synergy Overview & Hardware
Lab 1: Lab Login HPE Virtual Labs environment
Module 2: Day 1 Setup: HPE Synergy Composer Configuration
Lab 2: Exploring the HPE Synergy Day 1 Environment

- **Part 1: Examining Hardware Setup**
  - Exercise 1: Examining Enclosures
  - Exercise 2: Examining interconnects
  - Exercise 3: Verify firmware bundle

- **Part 2: HPE OneView Settings**
  - Exercise 1: Examining Settings
  - Exercise 2: Review Ethernet networks
  - Exercise 3: Network sets

- **Lab 2: Part 3: Logical Enclosure**

- **Part 3: Logical Enclosure**
  - Exercise 1: Reviewing Logical Interconnect Group (LIG) configuration
  - Exercise 2: Reviewing Ethernet LIG
  - Exercise 3: Reviewing Enclosure Groups
  - Exercise 4: Reviewing a Logical Enclosure
  - Exercise 5: Setting iLO IP Ranges

Module 3: Composability with Server Profiles
Lab 3: Composability

- Exercise 1: Examining compute nodes and interconnects
- Exercise 2: Creating a server profile template
  - Applying a Server Profile Template
  - Reviewing Firmware Server Profile
  - Firmware Errors in lab simulator
  - Reviewing BIOS Changes
  - Update Server Profile from Server Profile Template
- Exercise 3: Creating a VDI/Al Server Profile Template
- Exercise 4: Creating a VDI Server Profile and Server Profile role changes
- Exercise 5: Composability with PowerShell
- Exercise 6: HPE Global Dashboard

Optional (for those with interest)

- Composing with SAN Storage
  - Introduction
  - Checking SAN Manager
  - Fibre Channel networks
  - Reviewing Logical Enclosure Storage
  - HPE 3PAR storage systems
  - Creating volumes
  - Creating a volume template
  - Composing using SAN volumes

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