Composing HPE Synergy Resources (TDC 200)
HQ7G8S

This course will focus on Composing resources from a deployed HPE Synergy environment. Participants will work with a configured HPE Synergy environment. Topics focus on firmware management best practices, HPE OneView monitoring tools, and composing HPE Synergy resources with Ansible Playbooks. The day will consist of 30% lecture and 70% hands on lab exercises.

**Audience**

HPE Synergy Administrators, Architects, Engineers interested in techniques for firmware management, monitoring and composing HPE Synergy resources.

**Course Objectives**

- Plan for Monitoring Ecosystem available tools for organization, which tool for each team.
- Composability using Ansible Playbooks with deployed HPE Synergy environment.
- Work with Composable Firmware Management to plan and update HPE Synergy environment.

**Prerequisites**

H0LN3S HPE Synergy Administration or equivalent knowledge.
Course Outline:

• Monitoring Ecosystem
  o HPE OneView Dashboard, HPE Global Dashboard
  o HPE OneView for Microsoft|VMware
  o HPE iLO, HPE iLO Accelerator Pack
  o HPE Remote Support, HPE InfoSight

• Composability tools
  o Composable vs Wire Once an Deploy, Blade Rip and Replace
  o What’s on GitHub, Basics with PowerShell
  o Composing with Ansible Playbooks

• Composable Firmware Management
  o Staging Firmware and drivers
  o Custom SPP in OneView
  o Firmware Dashboard, Reports
  o Firmware updates
  o Compliance and validation

Labs:

• Lab 1: Monitoring Ecosystem
  o HPE OneView Dashboard, HPE Global Dashboard
  o HPE InfoSight

• Lab 2: Composability tools
  o What’s on GitHub, Basics with PowerShell
  o Composing HPE Synergy resources with Ansible Playbooks
  o Playbook exercises:
    ▪ Server Profile (SP) from Server Profile Template (SPT)
    ▪ Deploy SP with hardware
    ▪ Create basic SPT, set SPT boot mode, Boot, C
    ▪ Power off/on hardware
    ▪ Set SPT connections
    ▪ Deploy SP with connections
    ▪ Set SPT with firmware
    ▪ Set Local storage
    ▪ Set SPT with SAN storage
    ▪ Set SPT BIOS values

• Lab 3: Firmware Management
  o Staging Firmware and drivers
  o Create Custom SPP in OneView
  o Review Firmware Dashboard, Reports
  o Firmware updates checking Compliance and validation

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