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**
  - HPE OneView Dashboard, HPE Global Dashboard
  - HPE OneView for Microsoft|VMware
  - HPE iLO, HPE iLO Accelerator Pack
  - HPE Remote Support, HPE InfoSight

- **Composability tools**
  - Composable vs Wire Once an Deploy, Blade Rip and Replace
  - What's on GitHUB, Basics with PowerShell
  - Composing with Ansible Playbooks

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

Labs:

- **Lab 1: Monitoring Ecosystem**
  - HPE OneView Dashboard, HPE Global Dashboard
  - HPE InfoSight

- **Lab 2: Composability tools**
  - What’s on GitHub, Basics with PowerShell
  - Composing HPE Synergy resources with Ansible Playbooks
  - 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**
  - Staging Firmware and drivers
  - Create Custom SPP in OneView
  - Review Firmware Dashboard, Reports
  - Firmware updates checking Compliance and validation

Learn more at

hpe.com/us/training/convergedsystems

© Copyright 2020 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

HQ7G8S Ver A0001 December 2020