

Tytuł szkolenia: HPE Synergy Image Streamer

Kod szkolenia: H0LN4S

Wprowadzenie

This course provides instruction on HPE Synergy Image Streamer configuration, administration, management, and maintenance to ensure an understanding of components, configurations, topology, and solutions.

Adresaci szkolenia

- System administrators, engineers and consultants who install, manage, and monitor the HPE Synergy systems with HPE Synergy Image Streamer
- New HPE Synergy customers or past customers who purchased HPE BladeSystem c-Class equipment

Prerequisites

HPE recommends that students attain the following credentials or levels of experience before taking this course:

- HPE Synergy Technical Overview eLearning (H0LN2AAE)
- HPE Synergy Administration (H0LN3S)
- Any basic networking course
- HPE OneView Administration (H4C04S), or equivalent experience, is considered beneficial

Cel szkolenia

- Provide an overview of the HPE Synergy Image Streamer appliance
- Explain HPE Synergy Image Streamer architecture
- Provide an HPE Synergy Image Streamer artifacts overview
- Explain HPE Synergy Image Streamer best practices
- Describe HPE Synergy Image Streamer configuration flow
- Describe HPE Synergy Image Streamer requirements
- Explain HPE Synergy Image Streamer cabling
- Describe how to work with artifacts
- Explain using HPE Synergy Image Streamer in server profiles
- Explain HPE Synergy Image Streamer maintenance

Czas i forma szkolenia

- 14 godzin (2 dni x 7 godzin), w tym wykłady i warsztaty praktyczne.

Plan szkolenia

Module 1: HPE Synergy Image Streamer Overview

- What is HPE Synergy Image Streamer?
- HPE Synergy Composer drives HPE Image Streamer via a server profile
- HPE Synergy Image Streamer 5.2 support matrix
- User roles
- HPE Synergy Image Streamer architecture
- HPE Synergy Image Streamer system architecture

- HPE Synergy Image Streamer artifacts overview
- HPE Synergy Image Streamer artifact bundle
- Best practices

Module 2: HPE Synergy Image Streamer Cabling and Configuration

- Deployment workflow
- Cabling
- Connectivity overview
- Single-frame proof of concept
- HPE Synergy Image Streamer pairs in one management ring
- HPE Synergy Image Streamer pairs with multiple management rings
- Configuration flow
- Discovery and import
- Configurations in mixed environments
- OS deployment server
- ID pools for management and deployment networks
- Create a management network
- Create a deployment network
- OS deployment server creation
- Create an LIG
- Create an enclosure group
- Create a logical enclosure

Module 3: HPE Image Streamer Artifacts

- Working with artifacts
- Add an artifact bundle
- Add a golden image
- Create a plan script - general
- Create an OS build plan - deploy
- Create a deployment plan
- Sample plan script - capture generalization
- Create an artifact bundle
- Add an artifact bundle
- Extract an artifact bundle
- What is a custom attribute?
- Editing custom attributes
- Advanced management VM
- Deploying using server profiles
- Deployment iSCSI connections
- Compute module boot

Module 4: HPE Image Streamer Maintenance

- User roles
- HPE Synergy Image Streamer maintenance console
- Reimaging HPE Synergy Image Streamer
- Replacing HPE Synergy Image Streamer
- Updating HPE Synergy Image Streamer
- Creating, downloading, and restoring from a backup bundle
- Best practices

Lab 1: HPE Synergy Initial Setup

- Requirements • Introduction
- Exercise 1 - Examining the HPE Synergy system
- Summary

Lab 2: Configuring Connectivity and LIGs

- Requirements • Introduction
- Exercise 1 - Uploading the firmware bundle
- Exercise 2 - Creating subnet ID pools
- Exercise 3 - Creating an HPE Synergy Image Streamer management network
- Exercise 4 - Creating a deployment network
- Exercise 5 - Creating an OS deployment server
- Exercise 6 - Creating a production Ethernet network
- Exercise 7 - Creating logical interconnect groups
- Exercise 8 - Creating an enclosure group
- Exercise 9 - Creating a logical enclosure
- Summary

Lab 3: Using Artifacts in Server Profiles

- Requirements
- Introduction
- Exercise 1 - Accessing the HPE Synergy Image Streamer UI environment
- Exercise 2 - Creating server profiles
- Exercise 3 - Deploying an RHEL production OS
- Summary

Lab 4: Creating HPE Synergy Image Streamer Artifacts

- Requirements
- Introduction
- Exercise 1 - Creating an empty OS volume deployment plan and installing a production OS
- Exercise 2 - Capturing an OS volume to the golden image
- Exercise 3 - Creating a custom artifact bundle
- Summary

Lab 5: Working with Windows Artifacts

- Requirements
- Introduction
- Exercise 1 - Adding a Windows artifact bundle
- Exercise 2 - Preparing for a golden image capture
- Installing the OS
- Summary

Lab 6: Maintaining and Troubleshooting HPE Synergy Image Streamer

- Requirements
- Introduction
- Exercise 1 - Administering users and privileges
- Exercise 2 - Downloading an audit log file
- Exercise 3 - Creating HPE Synergy Image Streamer backups
- Exercise 4 - Creating and downloading an HPE Synergy Image Streamer support dump file
- Exercise 5 - Other options in the HPE Synergy Image Streamer GUI
- Exercise 6 - Accessing the HPE Synergy Image Streamer maintenance menu from the HPE Synergy console
- Summary