Szkolenie: HPE
HPE GreenLake Cloud Services Essentials

Cel szkolenia:

This course provides an overview of HPE GreenLake services and common administrative tasks associated with HPE GreenLake for Private Cloud Enterprise operational management. Students will learn the roles and responsibilities as an HPE GreenLake administrator, as well as how to operate and manage HPE GreenLake for Private Cloud Enterprise utilizing HPE GreenLake Central.

Course objectives

After completing this course, students will be able to:

- Understand and describe the services offered by HPE GreenLake for Private Cloud Enterprise
- Describe the features and administrative tasks for managing HPE GreenLake for bare metal
- Describe the features and administrative tasks for managing HPE GreenLake for private cloud
- Identify different types of library and catalog items and how they are used
- List features of automation tasks and workflows, and how they are used in application blueprints
- Design and use an application blueprint
- Understand and configure networks for virtual machines
- Describe the features of the HPE GreenLake API services
- Configure and use infrastructure as code services using the Terraform integration
- Describe tasks for managing HPE GreenLake for containers
- Create a container services cluster blueprint and deploy a cluster
- Manage cluster configuration
- Manage namespace and tenant quotas
- Use policies to manage resources.

Audience

IT Support and/or Technical roles that perform day-to-day IT operations for HPE GreenLake environments.

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Plan szkolenia:

- Course overview and introduction
- HPE GreenLake for Private Cloud
- Enterprise Overview
  - Overview of HPE GreenLake for Private Cloud Enterprise
  - HPE for Private Cloud Enterprise dashboard
  - Networking Overview
  - Service Level Agreements
  - Demo: Creating a cost and consumption report
- Administering HPE GreenLake bare metal services
  - Overview of bare metal services
  - Understanding the start state
  - Customer Admin tasks
  - Working with Bare Metal Compute Groups
  - Instances and Instance Types
  - Bare metal networking
  - Lab: Creating a bare metal compute group
  - Lab: Creating a Compute Instance
- Introduction to Administering HPE GreenLake for Private Cloud Enterprise virtual machine services
  - Overview of Virtual Machine Services
  - Starting with Virtual Machine services
  - Demo: Configuring virtual machine services settings
- Administering HPE GreenLake for virtual machine services: Enabling Provisioning
  - VM Provisioning concepts
  - Getting started with provisioning
  - Basic image management
  - Creating library provisioning objects
  - Lab: Creating library objects
  - Defining an Instance catalog item
  - Lab: Creating an instance catalog item
  - Demo: Creating a script and file template and using them in a blueprint
- Administering HPE GreenLake for Private Cloud: Automation and policies
  - VM Provisioning Overview
  - Automating instance configuration

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- Automation Tasks
- Automation Workflows
- Lab: Creating and running provisioning workflows
- Lab: Creating and running an operational workflow
- Automating Instance Scaling
- Lab: Configuring automatic instance scaling
- Apps and Blueprints
- Creating Policies for fine-grained control
- Lab: Creating and testing policies
- Backups

- Administering HPE GreenLake for Private Cloud: Configuring networking
  - HPE GreenLake for Private Cloud Enterprise networking Concepts
  - Getting started with HPE GreenLake for private cloud Enterprise networking
  - Managing NSX-T segments
  - Load balancing
  - Demo: Creating and using a network segment
- HPE GreenLake Cloud Services API and IaC
  - HPE GreenLake Cloud Services API
  - Using API Documentation
  - Using API Clients
  - Infrastructure as a Code with Terraform
  - Demo: Using Terraform IaC
- Administering HPE GreenLake for Containers: Introduction
  - Overview of HPE GreenLake for Containers
  - Overview of HPE Ezmeral Runtime Enterprise
  - Options for managing HPE GreenLake for containers
  - Demo: Checking health and compliance in the Kubernetes Environment
- Administering HPE GreenLake for containers: Getting Started
  - Cluster Blueprint overview
  - Creating a Cluster
  - Configuring a namespace/tenant
  - Lab: Defining a custom cluster blueprint
- Administering HPE GreenLake for containers - Advanced Configuration
  - Managing a cluster configuration
  - Managing namespace/tenant quotas
  - Using policies to manage resources

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- Demo: Setting quotas and policies on a cluster

Wymagania:

Students should possess 1-2 years working as an IT or cloud administrator, architect, or engineer and have general knowledge and experience around IT and cloud architectures, virtualization, containers, operations, and administration. H61P0S - HPE GreenLake Cloud Practitioner Foundation.

Poziom trudności



Certyfikaty:

The participants will obtain certificates signed by HPE (course completion).

Prowadzący:

Authorized HPE Trainer.

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