

HPE Ezmeral Runtime Enterprise Administration (HG7G2S)

ID HG7G2S **Preis** 2.250,— € (exkl. MwSt.) **Dauer** 3 Tage

Kursüberblick

This course is for administrators who want to learn about the installation, upgrade, system management, network integration and other tasks required to effectively administer HPE Ezmeral Runtime Enterprise 5.6. Hands-on labs are included.

Zielgruppe

This course is ideal for Hadoop administrators, system administrators, network administrators and IT managers.

Voraussetzungen

Before attending this course, you should have:

- Unix/Linux user and administration experience
- Hadoop/AI/big data application administration experience (Cloudera/ Hortonworks, Jupyter Notebook, Tensorflow, etc.)
- Experience in machine learning lifecycle (e.g. model training/development and model deployment)
- bash/shell/python scripting

Kursziele

After completing this course, you should be able to:

- Understand all architecture components of HPE Ezmeral Runtime Enterprise 5.6
- Understand all basic administration concepts of HPE Ezmeral Runtime Enterprise 5.6, including installation, tenant management, user management and maintenance
- Understand application development to cluster handling
- Learn how HPE Ezmeral Runtime Enterprise integrates with existing IT infrastructure and integration with MapR
- Understand monitoring and alerting services in HPE Ezmeral Runtime

Kursinhalt

- Module 1: Introduction to HPE Ezmeral Runtime Enterprise
- Module 2: Install and Configure HPE Ezmeral Runtime Enterprise
- Module 3: Kubernetes Clusters
- Module 4: Multi-Tenancy
- Module 5: User Role
- Module 6: Deploying Applications
- Module 7: Data Access
- Module 8: Monitoring and Troubleshooting

Detaillierter Kursinhalt

Module 1: Introduction to HPE Ezmeral Runtime Enterprise

- List the pre-requisites for this course
- List Kubernetes concepts pre-requisite for this course
- Describe containers and Kubernetes
- Discuss VMs and Kubernetes
- Describe Docker, containerd and Kubernetes interconnection
- List container use cases
- Describe HPE Ezmeral Runtime Enterprise
- Identify the need for HPE Ezmeral Runtime Enterprise
- Explain the HPE Ezmeral Runtime Enterprise control plane architecture

Module 2: Install and Configure HPE Ezmeral Runtime Enterprise

- List HPE Ezmeral Runtime Enterprise host resource requirement
- State operating system support
- Discuss the worker and gateway deployment method
- List multiple Kubernetes version support
- Recognize HPE Ezmeral Runtime Enterprise licensing
- Discuss KubeDirector and its new features
- Identify storage architecture--ephemeral vs persistent
- Explain air gap support and utility
- Execute HPE Ezmeral Runtime Enterprise installation

Module 3: Kubernetes Clusters

- Discuss adding Kubernetes data fabric and compute hosts
- Implement Kubernetes data fabric cluster creation
- Describe the data fabric registration process
- Discuss Kubernetes compute cluster creation overview

- Implement Kubernetes compute cluster creation
- Operate Kubernetes cluster creation commands
- Identify ISTIO add-on support
- State policy management support
- Discuss importing external clusters

Module 4: Multi-Tenancy

- Discuss multi-tenancy
- Describe tenant management
- Define Kubernetes tenant creation process
- List Kubernetes tenant roles

Module 5: User Role

- Define user roles
- Discuss user authentication
- Describe role binding

Module 6: Deploying Applications

- Describe the deployment process of "Hello World" application using CLI and GUI
- Describe the deployment process of "Spring boot" application using CLI and GUI
- Describe the deployment process of "Hello World" using Helm chart

Module 7: Data Access

- Describe FSMount
- Explain DTAP
- Recognize NFS support

Module 8: Monitoring and Troubleshooting

- Identify platform service health monitoring
- List platform dashboard monitoring options available
- Identify troubleshooting log files and their usage

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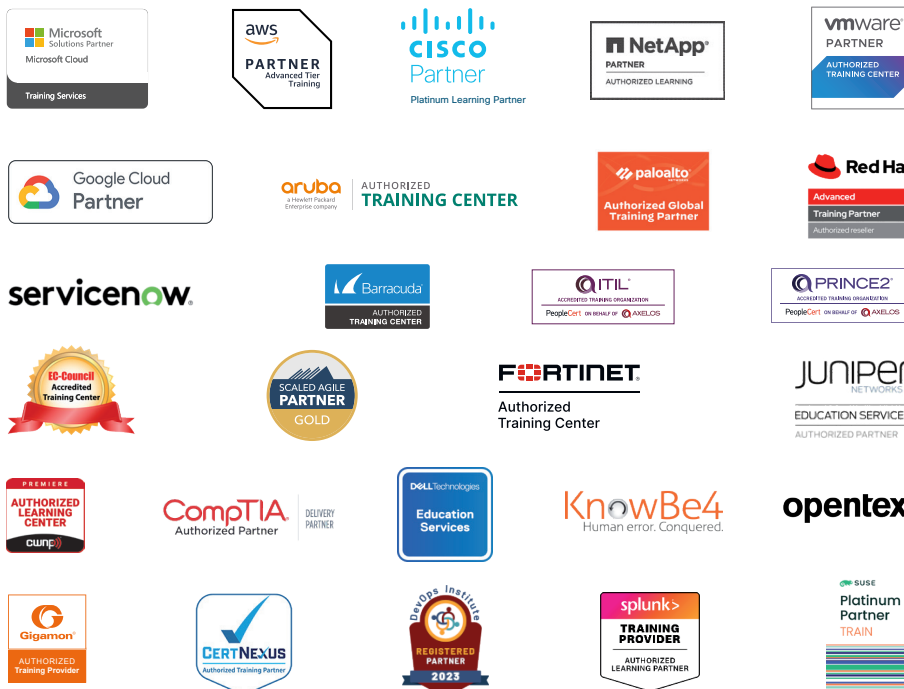
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