Fast Lane

HPE Ezmeral Data Fabric Cluster Administration (HG7E0S)

ID HG7E0S   **Prix** sur demande   **Durée** 3 jours

A qui s'adresse cette formation

System administrators who will be installing, configuring, and maintaining an HPE Ezmeral Data Fabric File and Object Store cluster environment

Pré-requis

Participants in this course should have:

- Basic Hadoop knowledge and intermediate Linux knowledge
- Experience using a Linux text editor such as vi
- Familiarity with the Linux command line options such as mv, cp, ssh, grep, and useradd

Objectifs

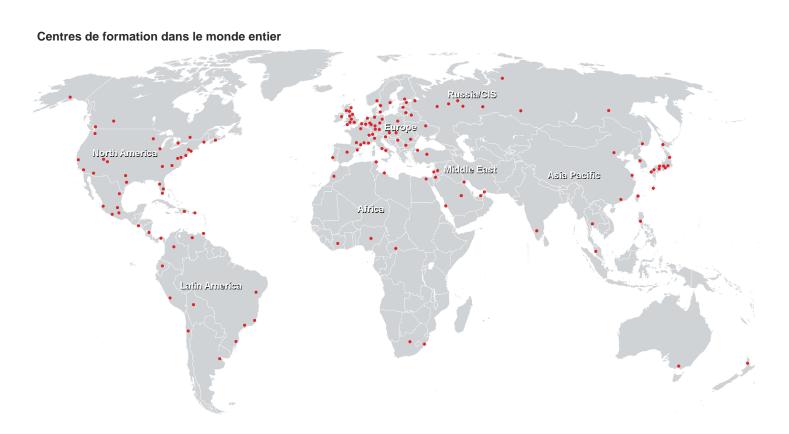By the end of the course, the participant should be able to:

- Demonstrate basic cluster administration skills
- Audit and prepare cluster hardware prior to installation
- Run pre-installation tests to verify performance
- Plan a service layout according to cluster configuration and business needs
- Describe the primary architectural components of an HPE Data Fabric installation (nodes, storage pools, volumes, containers, chunks, blocks)
- Use the UI installer or the manual method to install the HPE Ezmeral Data Fabric File and Object Store cluster
- Define and implement an appropriate node topology
- Define and implement an appropriate volume topology
- Set permissions and quotas for users and groups
- Set up email and alerts
- Locate and review configuration files used by the cluster
- Start and stop services
- Use Hadoop commands to perform basic functions
- Use "maprcli" commands to perform basic functions
- Use the MCS
- Assist with data ingestion
- Configure, monitor, and respond to alerts
- Detect and replace failed disks
- Detect and replace failed nodes

- Create and delete snapshots using both maprcli and the MCS
- Create and delete mirrors using both maprcli and the MCS
- Use mirrors and snapshots for data protection
- Add, remove, and upgrade ecosystem components
- Monitor and tune job performance
- Set up NFS access to the cluster

Contenu

- Data Fabric File and Object Store
- Module 2 - Prepare for Installation
- Module 3 - Install a Data Fabric Cluster
- Module 4 - Verify and Test Cluster
- Module 5 - Work with Volumes
- Module 6 - Work with Snapshots
- Module 7 - Work with Mirrors
- Module 8 - Configure Users and Cluster Parameters
- Module 9 - Configure Cluster Access
- Module 10 - Monitor and Manage the Cluster
- Module 11 - Disk and Node Maintenance
- Module 12 - Troubleshoot Cluster Problems

Centres de formation dans le monde entier

Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3
CH-8304 Wallisellen
Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch