Hewlett Packard Enterprise

Cray ClusterStor E1000 System Administration
H8PG4S

HPE course number	H8PG4S
Course length	3 days
Delivery mode	ILT, VILT
View schedule, local pricing, and register	**View now**
View related courses	**View now**

Why HPE Education Services?

- Comprehensive worldwide HPE technical, IT industry and personal development training

- Training and certification preparation for ITIL®, Security, VMware®, Linux, Microsoft and more

- Innovative training options that match individual learning styles

- Anytime, anywhere remote learning via HPE Digital Learner subscriptions

- Verifiable digital badges for proof of training, skill recognition and career development

- Simplified purchase options with HPE Training Credits

In this intensive, hands-on course, students learn about the Cray ClusterStor with Lustre product line with a focus on the latest release, Cray ClusterStor E1000. Cray ClusterStor is an integrated, high performance storage solution that incorporates the Lustre file system. Students learn about hardware and software components including administration, management, and networking. This course includes required, self-paced, web-based training prerequisites that must be completed prior to attending the (virtual) instructor-led portion of the course. This course includes hands-on lab exercises.

Audience

This course is for the systems administrators of customers who have purchased a Cray ClusterStor E1000 system.

Prerequisites

- Linux knowledge

- Cray ClusterStor E1000 Overview (WBT)

- Cray ClusterStor E1000 System Architecture (WBT)

Course objectives

By the end of this course, the learner should be able to:

- Locate the appropriate technical publications for the Cray ClusterStor E1000

- Navigate and locate relevant system information within the graphical user interface (GUI) for the Cray ClusterStor E1000

- Use the command line interface (CLI) to perform basic system administration and monitoring tasks for the Cray ClusterStor E1000

- Manage the Lustre file system and perform other Lustre-related system administration tasks for the Cray ClusterStor E1000

- Determine root cause of common Cray ClusterStor E1000 issues and identify appropriate actions to resolve the problem

- Upgrade the firmware on the Cray ClusterStor E1000

- Update the software on the Cray ClusterStor E1000

Detailed course outline

1. System Overview	• Identify the key components of the Cray ClusterStor software stack • Explain at a high level how Cray ClusterStor works with Lustre	• Explain GridRAID
2. Cray ClusterStor Manager Graphical User Interface (CSM GUI)	• Access and navigate the Cray ClusterStor Manager Graphical User Interface (GUI) • Understand, at-a-glance, the current system status and monitor performance	• Collect and download support files for troubleshooting
3. Command Line Interface (CLI) and Monitoring	• Use the cscli command options to perform basic Cray ClusterStor administration and monitoring	• Use additional CLI command options to perform basic Cray ClusterStor administration and monitoring
4. Network Management	• Identify the main network types and view the interfaces in the Cray ClusterStor E1000 • Identify the types of configurations supported for the local data network (LDN) and Lustre Network (LNet)	• Describe the Lustre Network (LNet)
5. Lustre	• Configure striping on the Lustre file system • Create, remove, and manage OST pools	• Mount the Cray ClusterStor filesystem and access it from the client • Use Lustre and Cray ClusterStor CLI commands to perform basic Lustre administration and monitoring.
6. Troubleshooting and Log Files	• Perform basic troubleshooting using the CLI • Locate and review log files	• Collect and download support bundles for troubleshooting
7. Upgrades and Updates,	• Use the Cray ClusterStor System Updater utility to update Cray ClusterStor software • Check and update firmware levels	• Add a new OSS or MDS node

Learn more at
hpe.com/ww/learnservers

Follow us:

in

Hewlett Packard Enterprise