

Cray Shasta Series Overview, Rev. 19.42 HQ6X8AAE

HPE course number	HQ6X8AAE
Course length	2 hours
Delivery mode	eLearning
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This course takes a high-level view of the Cray Shasta Mountain Test and Development System infrastructure.

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Audience

HPE and HPE customer Cray Shasta support

Course objectives

Upon completion of this course, students will be able to:

- Describe, at a high level, the purpose, infrastructure, and layout of the Shasta Test and Development System (TDS) cabinet
- Describe the various types of nodes and blades used in the Shasta TDS cabinet
- Describe the networks, switches, and topologies used in the Shasta TDS cabinet
- Locate and identify any Shasta TDS hardware component based on a given name
- List and briefly describe the maintenance and field replacement procedures for Cray Shasta TDS hardware

Detailed course outline

Module 1: Mountain Test and Development System (TDS) Hardware Overview	<ul style="list-style-type: none"> Cabinet overview, contents, and cooling Cabinet environmental controller and sensors 	<ul style="list-style-type: none"> Chassis and power infrastructure
Module 2: Mountain TDS Blades and Nodes	<ul style="list-style-type: none"> Compute blade overview and types of Mountain blades Blade voltage convertors and cooling loop 	<ul style="list-style-type: none"> Node cards, processors, and memory Mezzanine cards
Module 3: Mountain TDS Switches and Networks	<ul style="list-style-type: none"> Ethernet and Slingshot switches and their topologies used in Mountain TDS cabinets Roseetta switch ASIC 	<ul style="list-style-type: none"> Colorado Slingshot switch Slingshot topology classes
Module 4: Xnames for Shasta Mountain TDS	<ul style="list-style-type: none"> Introduction to xnames, or Hardware Management Service (HMS) names used for Mountain TDS components 	
Module 5: Mountain TDS Hardware Procedures	<ul style="list-style-type: none"> The hardware procedures that are applicable to the Mountain cabinet Mountain coolant fill station 	<ul style="list-style-type: none"> Field replacement of Mountain cabinet components

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