



HP Education Services

HP Integrity Superdome 2 Administration (HK713S)

The HP Integrity Superdome 2 server offers a solid foundation for mission-critical converged infrastructures. This course provides an overview of the complex components and practical experience using the enhanced Onboard Administrator (OA) management tools to monitor and manage the Superdome 2 complex, including node and virtual partitions. The course is 50 percent lecture and 50 percent hands-on labs using HP servers.

Audience

- Experienced HP-UX system administrators responsible for managing and monitoring Superdome 2 servers

Prerequisites

- HP-UX System and Network Administration I (H3064S) and
- HP-UX System and Network Administration II (H3065S) or
- HP-UX System and Network Administration for Experienced UNIX® System Administrators (H5875S) or
- Equivalent HP-UX administration experience

Course objectives

At the conclusion of this course you should be able to:

- Correlate Superdome 2 (SD2) hardware components with their functionality within the complex
- Interface with the OA to configure, monitor, manage, and access SD2 components and firmware
- Interact with the Unified Extensible Firmware Interface (UEFI) to configure partition boot parameters and manually boot a partition
- Configure, manage, and control virtual partitions (vPars v5) from the Superdome OA
- Configure Instant Capacity compute resources in a Superdome 2 partition

Course title:	HP Integrity Superdome 2 Administration
HP product number:	HK713S
Category/Subcategory:	HP-UX / UNIX
Course length:	3 days
Level:	Intermediate
Delivery language:	English
To order:	You can register your interest for this course online at http://www.hp.com.au/education . At the site, select the course under Unix / Linux portfolio and you will see dates for the course. Register your interest for the date of your choice.

Benefits to you

- Learn to configure, monitor, and manage your SD2 complex using the OA management interface, including node and virtual partitions from the OA
- Gain experience using the management tools for an HP Superdome 2 server configuration

Why education services from HP?

- Training Industry Top 20 training provider and content development
- Recognized as an IDC MarketScape leader for IT education (IDC MarketScape: Worldwide IT Education and Training 2012 Vendor Analysis, doc #232870, February 2012)
- Unmatched technical expertise and support for HP products and technologies
- Comprehensive curriculum of job-specific training leading to vendor certification
- Training you need, when and where you need it with our Remotely Assisted Instructional Learning (RAIL)
- More than 30 years of Education Consulting
- Global training with more than 90 training locations worldwide

Next steps

- HP Systems Insight Manager on HP-UX (HK712S)
- HP Capacity Advisor and Global Workload Manager (HF869S)
- HP Integrity Virtual Machines (HB506S) or HP Integrity VM v6 and HP-UX vPars v6 Administration (H1L51S)

Detailed course outline

HP Integrity Superdome 2 Introduction and Architecture

- Main components of the SD2 server
- Features and functions of SD2 components
- Display and identify the status of the SD2 components
- SD2 components and hardware paths in the UEFI and HP-UX

HP Integrity Superdome 2 Enclosure Administration using the Onboard Administrator

- SD2 OA to access enclosure components
- Access the OA using the browser and command line interfaces
- Upload/download OA configuration to/from a file on a browser client

HP Integrity Superdome 2 UEFI

- SD2 UEFI from the nPartition console
- Booting HP-UX 11i v3 manually
- HP-UX 11i v3 boot loader
- Configuring boot parameters
- The UEFI shell
- Bootable devices using the UEFI boot device hardware paths
- Ethernet MAC addresses from the UEFI shell
- HP-UX 11i v3 cold install from a local medium and Ignite server

HP Integrity Superdome 2 nPartition Administration

- Traditional server configuration correlated to an nPartition
- Managing SD2 nPartitions and configurations from the OA web-based GUI and CLUI
- Administering SD2 nPartitions using parspecs

HP Integrity Superdome 2 Virtual Partitions version 5

- Virtual partitions (vPars) related to a list of server virtualization technologies available for SD2
- Properly formed SD2 resource path to address different potential vPar resources
- Authorize vPar configuration and power state control at the HP-UX 11i v3 level
- Create and modify a vPar in the current and alternate parspec
- Access a vPar console
- Boot, reset, and remove a vPar

HP Integrity Superdome 2 Instant Capacity Administration

- Implementing HP Instant Capacity (iCAP) for SD2 servers
- LORA vs SMP operation as it relates to iCAP cores
- Configuring a SD2 nPartition LORA according to application requirements
- iCAP commands used to implement HP Instant Capacity on SD2 servers

For more information

To locate contact information and to learn more about education services, please visit our web site at <http://www.hp.com.au/education> .

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