

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 HPE servers.

Audience:

Experienced HP-UX system administrators

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

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

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

HPE course number	HK713S
Course length	3 days
Delivery mode	ILT, VILT
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- Simplified purchase option with HPE Training Credits

Detailed Course Outline

HP Integrity Superdome 2 Introduction and Architecture	<ul style="list-style-type: none"> • Main components of the SD2 server • Features and functions of SD2 components 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • SD2 OA to access enclosure components • Access the OA using the browser and command line interfaces 	<ul style="list-style-type: none"> • Upload/download OA configuration to/from a file on a browser client
HP Integrity Superdome 2 UEFI	<ul style="list-style-type: none"> • SD2 UEFI from the nPartition console • Booting HP-UX 11i v3 manually • HP-UX 11i v3 boot loader • Configuring boot parameters • The UEFI shell 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Traditional server configuration correlated to an nPartition • Managing SD2 nPartitions and configurations from the OA web-based GUI and CLUI 	<ul style="list-style-type: none"> • Administering SD2 nPartitions using parspecs
HP Integrity Superdome 2 Virtual Partitions version 5	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Implementing HP Instant Capacity (iCAP) for SD2 servers • LORA vs SMP operation as it relates to iCAP cores 	<ul style="list-style-type: none"> • Configuring a SD2 nPartition LORA according to application requirements • iCAP commands used to implement HP Instant Capacity on SD2 servers

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