

# HP-UX (Hewlett Packard)

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# HP-UX

- Hewlett-Packard's (HP) HP-UX 11i is used for batch processing, decision support, electronic commerce, enterprisewide application serving, file serving, and Internet and intranet access. It is further used for online transaction processing (OLTP) and technical computer-intensive applications.
- HP-UX offer four operating environment: Base OE (BOE), Virtualisation Server OE (VSE-OE), High Availability OE (HA-OE), Data Centre OE (DC-OE)
- latest version : hp-ux 11i v3
- HP-UX operating environment serves as the foundation for mission-critical applications and IT services over the Internet.

## **TOPIC A (Application Software)**

- HP-UX  
supports:European.Japanese.Korean.Simplified  
Chinese.Traditional Chinese.
- HP-UX is built to serve mission-critical applications  
and IT services on the Internet
- It enables you to develop C/C++ projects

## **TOPIC B (Hardware)**

- Physical disk drives locally attached to a server: SCSI hardware protocol disks Fibre Channel disks USB 2.0 disks
- Off line storage or removable media. Data are stored on: Tapes (DLT, DDS, Reel, and other tape formats) Optical Media (CD, Magneto-optical, DVD-ROM, and other optical formats)
- Four dual core 64 bit Intel Itanium 2 processors; either 1.6 GHz/24 MB cache, or 1.6 GHz/18
- Operating System support: HP UX 11i version 2 June 2006 Update, 106, a minimum of 2 HDD's of the same size and speed are required.
- HP-UX and Integrity servers provide built-in, single-system resiliency from self-healing hardware to hot-pluggable components so your infrastructure keeps running without disruption and can be rapidly repaired.
- It is further used for online transaction processing (OLTP) and technical computer-intensive applications. HP-UX has traditionally been optimized for HP's PA-RISC Unix server systems, and although the vendor still supports this platform, its focus is increasingly toward the Intel Itanium-based Processor Family (IPF).

## **TOPIC C (User Interface)**

- HP-UX Containers enable shared O/S virtualization, to consolidate multiple workloads within a single instance of the HP-UX 11i v3 operating system.
- Enables multiple Operating Systems and applications to be run on the same physical system.
- HP-UX delivers built-in integration of virtualization and management software to optimize your IT infrastructure dynamically. Always-on—HP Integrity and HP-UX are designed for high availability and to ensure your mission-critical workloads are always-on and secure without compromise.

## **TOPIC D (Device Management)**

- administer graphics cards supported in HP-UX servers running the 11.00, 11i version 1 .... you can configure the X server to have multiple independent screens. .... Normally, at least two Input Devices are present: a keyboard and a mouse.
- The output device can be a raw magnetic tape drive, the standard output, ...  
Beginning at HP-UX Release 8.0

## **TOPIC E (Security)**

- Protect your mission-critical data, systems, and identities from external and internal threats

and facilitate regulatory compliance. HP-UX security solutions encompass a comprehensive portfolio of security features, all licensed and fully supported by HPE.

- HP-UX protects your environment with a comprehensive security portfolio, encompassing systems and data protection, role-based access controls, and cross-platform directory integration. In addition, HP-UX has multiple security certifications and a system-hardening tool that is Center for Internet Security-certified.

## **TOPIC F (Network Connectivity)**

- For data recovery, HP-UX has a built-in backup facility called 'fbackup' (with 'frestore' to restore).
- The HP-UX LAN product allows HP computers to connect to an IEEE 802.3 or Ethernet Local Area Network. An HP-UX LAN network can be further extended via bridges and routers into a Wide Area Network.
- At this point, you can choose between HP-UX Apache-based Web Server, HP-UX Webmin-based Admin, or HP-UX Tomcat-based Servlet Engine or any combination of these components. All products are installable as standalone.
- The core of HP-UX 11i networking is a versatile implementation of the TCP/IP stack, capable of simultaneous support for both version 4 and version 6 of the IP protocol. Also migrate your vital workloads to latest systems using our proven, low risk and cost-effective migration frameworks tools and methodologies.