Updated Information on Operating Environments for 11i

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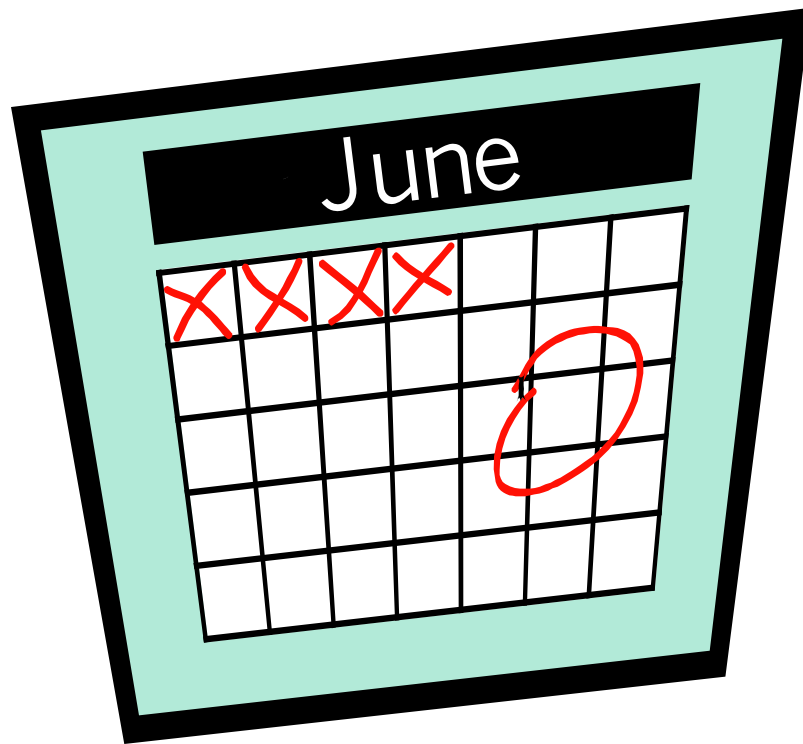
What does all this mean
11.11
11i
11.20
11.22
11iv1.5
11i v1.6

HP-UX 11i (June 2002)

The information contained in this presentation is related specifically to the June 2002 release of   HP-UX 11.11 and also the 11.22 release.

June

hp-ux 11i Operating Environments benefits.

greatly simplified software deployment

- Only one reboot needed to install the Operating Environment (OE) of your choice
- No codewords are necessary to access any of the functionality/application products resident on the OE media
- Comprehensive offering of Network, Mass Storage, and I/O Drivers available during install process
- Online Diagnostics loaded during cold install

simple to purchase license

- Each OE license product contains licensing for the base HP-UX O/S and all of the included HP applications
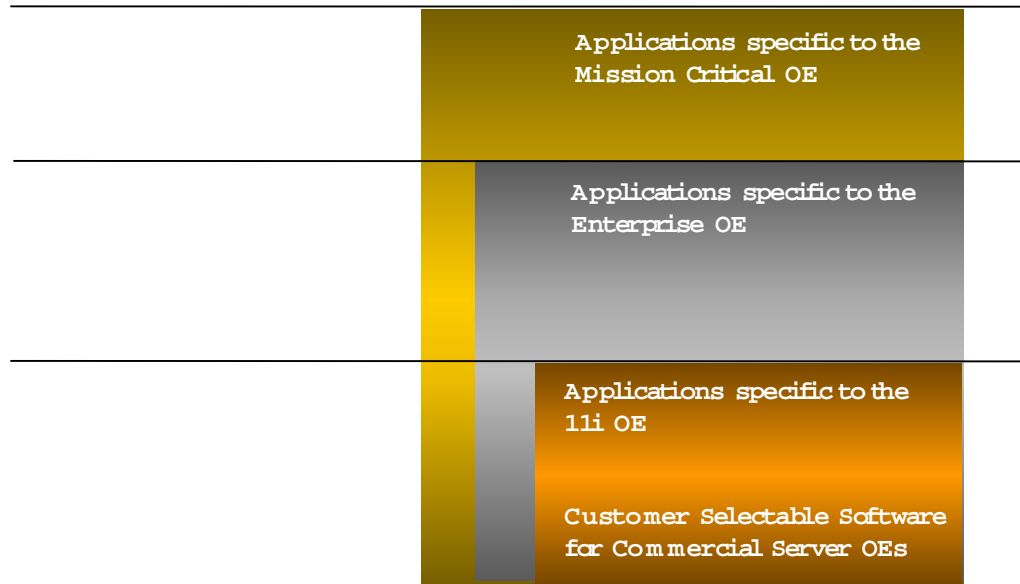
simple to purchase software support

- Simplification in Software Support ordering and contract administration has been achieved in parallel with the introduction of HP-UX 11i Operating Environments

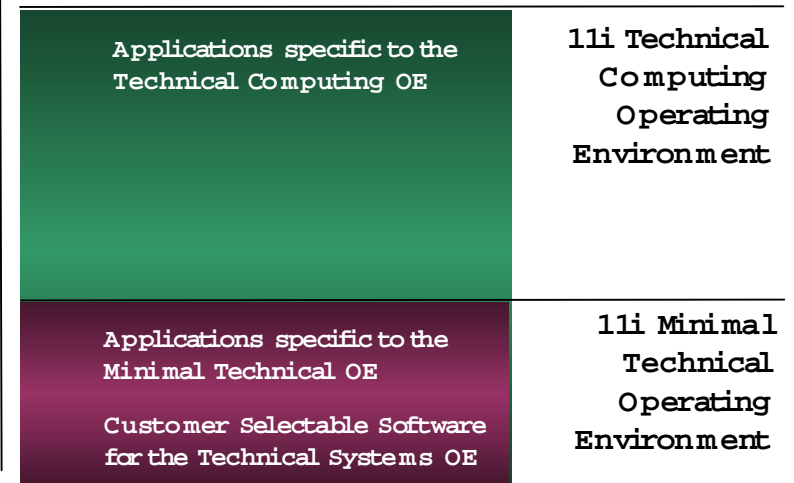# Getting to know hp-ux Operating Environments for 11.11

- Five OEs exist for the two HP-UX Platforms: Three OEs are available for Commercial Servers; two alternate OEs are available for Technical Systems
- For each specific platform, all Operating Environment license and media products are designed to be supersets of one another
- Base HP-UX and Application content common across all five OEs is synchronized with the same revision level

commercial servers	technical servers and workstations

Applications specific to the Mission Critical OE

Applications specific to the Enterprise OE

Applications specific to the Technical Computing OE

11i Technical Computing Operating Environment

Applications specific to the 11i OE

Customer Selectable Software for Commercial Server OEs

Applications specific to the Minimal Technical OE

Customer Selectable Software for the Technical Systems OE

11i Minimal Technical Operating Environment

Functionality in Base HP-UX (version B.11.11)

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Content of Commercial
Server OE for 11.11

Contents of 11i Mission Critical OE
ECM Toolkit	MC/ServiceGuard (v11.09)
ServiceGuard NFS	Cluster Object Manager
Workload Manager	Workload Manger tool kit

Contents of 11i Enterprise OE
EMS HA Monitors	MirrorDisk/UX
Online JFS (v3.3)	OV GlancePlus Pak (English)
OV GlancePlus Pak (Japanese)	Process Resource Manager

Content of 11i OE
Apache Web Server	CIFS/9000 Server
CIFS/9000 Client	Java JPI
Java Runtime Env (v1.2)	Java Runtime Env (v1.3)
Netscape Communicator (v4.75)	PAM Kerberos
ServiceControl Manager	

Customer Selectable Software
100Base-T (HP-PB, EISA)	ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)	HyperFabric (PCI, HSC)
MUX (PCI, EISA)	TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)	Judy Libraries
Netscape Directory Server	WebQoS Peak Package Edition
JavaOOB	IP Filter
IDS 9000	

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)
HSC/NetGen PCI

Always installed
Online diagnostic
Base VxVM (v3.2)
perl

Contents of HPUXBaseAux
DMI&SCR
EMS Framework
ObAM5
Partition Manager
Software Distributor
Update-UX

HP-UX 11.11 Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Content of Technical Server OE for 11.11

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)
Always installed
HSC, FDDI Core
Online diagnostic
Base VxVM (v3.2)
perl

Contents of HPUXBaseAux
DMI&SCR
EMS Framework
ObAM5
Partition Manager
Software Distributor
Update-UX

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Contents of 11.11 TCOE
Apache Web Server   CIFS/9000 Server
CIFS/9000 Client   Java 3D
Java JPI   Java Runtime Env (v1.2)
Java Runtime Env (v1.3)   MLIB
MPI   PAM Kerberos
Visualize Conference

Content of 11.11 MTOE
Graphics Dev Kit and RTE   Netscape Communicator v4.75)
TechSysConf

Customer Selectable Software
100Base-T (HP-PB, EISA)   ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)   HyperFabric (PCI, HSC)
MUX (PCI, EISA)   TokenRing (PCI, HP-PB, EISA)
HP-UX InstallUtilities 11.11 (IUX)   Judy Libraries
Netscape Directory Server   WebQoS Peak Package Edition
JavaOOB

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hp-ux 11.11 Operating Environments content overview

11i Mission Critical Operating Environment

ECM Toolkit
MC/ServiceGuard (v11.09)
ServiceGuard NFS
Cluster Object Manager
Workload Manager
Workload Manager ttoolkit

11i Enterprise Operating Environment

EMS HA Monitors
MirrorDisk/UX
Online JFS (v3.3)
OV GlancePlus Pak (English)
OV GlancePlus Pak (Japanese)
Process Resource Manager

Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java 3D
Java JPI
Java Runtime Env (v1.2)
Java Runtime Env (v1.3)
MLIB
MPI
PAM Kerberos
Visualize Conference

11i Technical Computing Operating Environment

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)
HSC, NextGen PCI

Always installed
Online diagnostic
Base VxVM (v3.2)
perl

Contents of HPUXBaseAux
DMI&SCR
EMS Framework
ObAM5
Partition Manager
Software Distributor
Update-UX
Judy Libraries

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java JPI
Java Runtime Env (v1.2)
Java Runtime Env (v1.3))
Netscape Communicator (v4.75)
PAM Kerberos
ServiceControl Manager
Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)
Judy Libraries
Netscape Directory Server
WebQoS Peak Package Edition
IP Filter
IDS9000
JavaOOB

3D Graphics Dev Kit and RTE
Netscape Communicator v4.75)
TechSysConf

Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)
Judy Libraries
Netscape Directory Server
JavaOOB

11i Minimal Technical Operating Environment

hp-ux 11.11 Operating Environments showing application contents by product number/bundle tag

11i Mission Critical Operating Environment

B5139DA ECM Toolkit
B3935DA MC/ServiceGuard (v11.13)
B5140BA ServiceGuard NFS
B8324BA Cluster Object Manager
B8843CA Workload Manager
T1302AA Workload Manager Toolkit

11i Enterprise Operating Environment

B5736DA EMS HA Monitors
B2491BA MirrorDisk/UX
B3929CA Online JFS (v3.3)
B3701AA OV GlancePlus Pak (English)
B3701AJ OV GlancePlus Pak (Japanese)
B3835DA Process Resource Manager

11i Technical Computing Operating Environment

B9415AA Apache Web Server
B8725AA CIFS/9000 Server
B8724AA CIFS/9000 Client
B8752AA Java 3D
B9098AA Java JPI
B8111AA Java Runtime Env (v1.2)
B6061AA MLIB
B6060BA MPI
J5849AA PAM Kerberos
B7580AA Visualize Conference

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)
HSC, NextGen PCI

Always installed
Online diagnostic
Base VxVM (v3.2)
perl

Contents of HPUXBaseAux
DMI & SCR
EMS Framework
ObAM5
Partition Manager
Software Distributor
Update-UX
Judy Libraries

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

B9415AA Apache Web Server
B8725AA CIFS/9000 Server
B8724AA CIFS/9000 Client
B9098AA Java JPI
B8111AA Java Runtime Env (v1.2)
JB9789AA Java Runtime (v1.3)
B8342AA Netscape Communicator (v4.75)
J5849AA PAM Kerberos
B8339BA ServiceControl Manager

Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)
J4258BA Netscape Directory Server
IP filter
IDS 9000
JavaOOB
J4274AA WebQoS Peak Package Edition

11i Minimal Technical Operating Environment

B6268AA 3D Graphics Dev Kit and RTE
B8342AA Netscape Communicator
       (v4.75)
TechSysConf

Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)
J4258BA Netscape Directory Server

Simplifying sales orders and support contract

One example using the Mission Critical O E; note the vast reduction in the number of individually listed line items.

| before oes (prior to 12/01/00)...	...after oes (beginning 12/01/00)
HP-UX 11.00 Operating System and Mission Critical Applications B3919EA HP-UX License to Use, Servers B3919EA-AGS Unlimited User License B3920EA HP-UX Media, Servers B3920EA-UM4 Version 11.00 B5139DA ECM Toolkit B3935DA MC/ServiceGuard (v11.09) B5140BA ServiceGuard NFS B8843CA Workload Manager B5736DA EMS HA Monitors B2491BA MirrorDisk/UX B3929CA Online JFS (v3.3) B6133AA OV GlancePlus Pak 2000, Tier 3 Server, LTU B3701AA OV GlancePlus Pak (English) B3835DA Process Resource Manager B8725AA CIFS/9000 Server B8724AA CIFS/9000 Client B8111AA Java Runtime Env (v1.2) J4258BA Netscape Directory Server J4274AA WebQoS Peak Package Edition	**HP-UX 11i Mission Critical Operating Environment** B9092AA HP-UX Mission Critical OE LTU (w/system) B7994AA HP-UX Mission Critical OE Media for Servers B7994AA-UM9 Version 11.11

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11.11 media solution

Operating Environment media
- Release stream specific (B.11.11)
- Global Solution (no localized media)
- 1st CD-ROMs differ primarily by LIF header (OE-specific configuration files and menus for unique 2nd CD-ROMs)
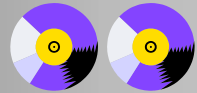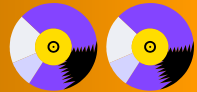
11i Mission Critical OE
Commercial Servers
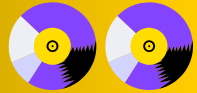
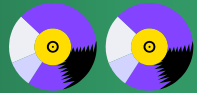**11i Enterprise OE**
Commercial Servers

11i Operating Environment
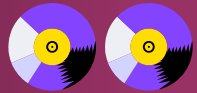Commercial Servers

11i Technical Computing OE
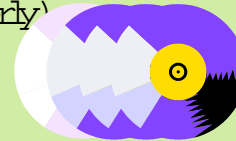Technical Servers and Workstations

11i Minimal Technical OE
Technical Workstations

application media
- Release stream specific (B.11.11) for Servers and Workstations
- Number of CD-ROMs varies by stream (a function of the number of applications available on that stream)
- AR (enterprise release or quarterly)

instant info
- Release stream specific (11.11)
- Both Servers and Workstations
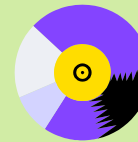
support plus
- Release stream specific (B.11.11)
- Both Servers and Workstations
- HW Critical Bundle
- Diagnostics
- Network Driver patches
- Application Patches

Software deployment before Operating Environments releases (11.00 and prior)

hp-ux unlimited user license

process resource manager

onlineJFS

MC/ServiceGuard NFS Toolkit
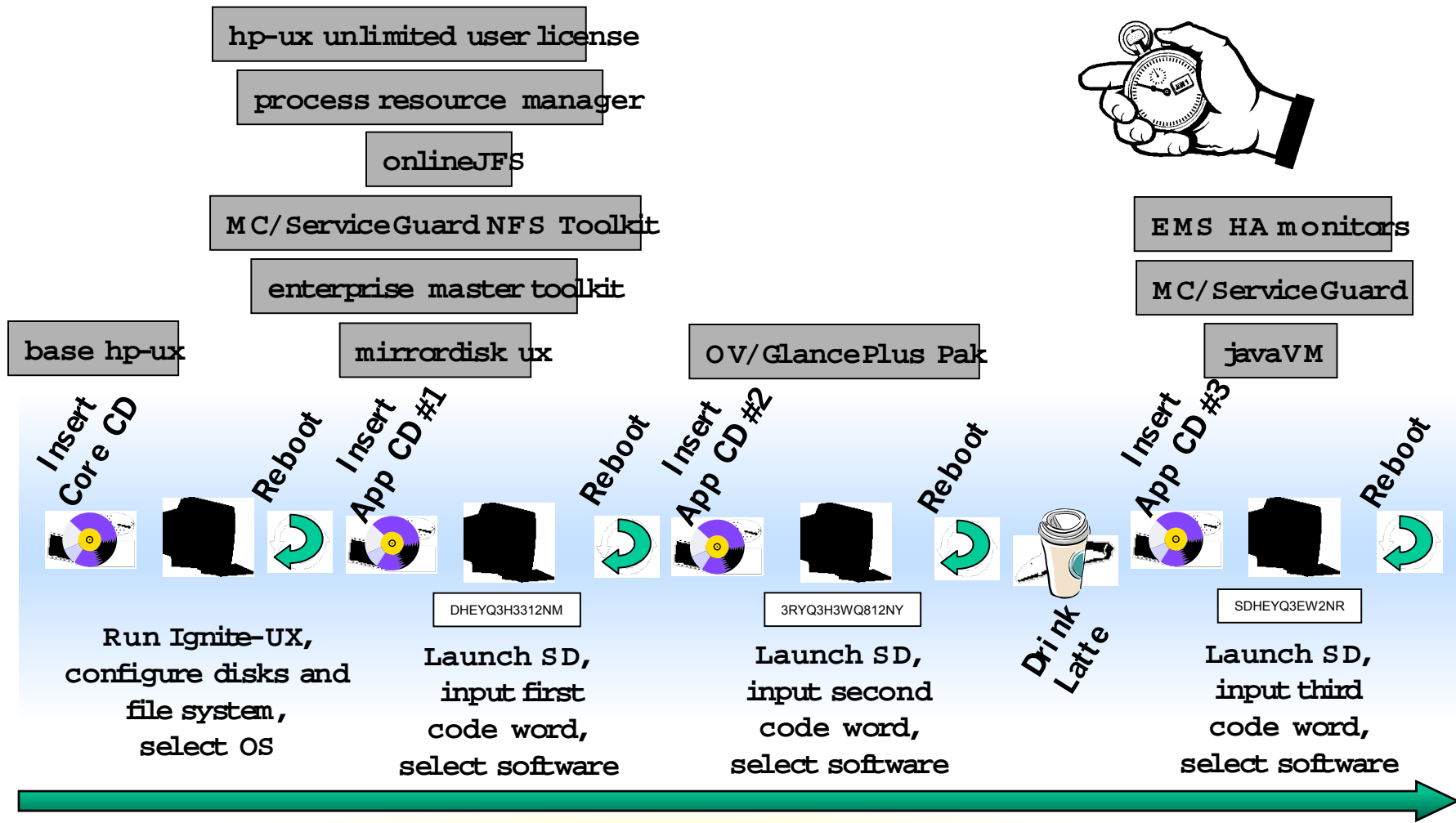
EMS HA monitors

enterprise master toolkit

MC/ServiceGuard

base hp-ux

mirrordisk ux

OV/GlancePlus Pak

javaVM

Insert Core CD

Reboot

Insert App CD #1

Reboot

Insert App CD #2

Reboot

Insert App CD #3

Reboot

DHEYQ3H3312NM

3RYQ3H3WQ812NY

SDHEYQ3EW2NR

Run Ignite-UX, configure disks and file system, select OS

Launch SD, input first code word, select software

Launch SD, input second code word, select software

Drink Latte

Launch SD, input third code word, select software

Too many CD-ROMs, code words, and reboots

Software Deployment with Operating Environments on 11.11

`hp-ux 11i Missioncritical oe`

Insert OE CD #1 → Run Ignite-UX, configure disks and file system, select OE → Insert OE CD #2 → Reboot
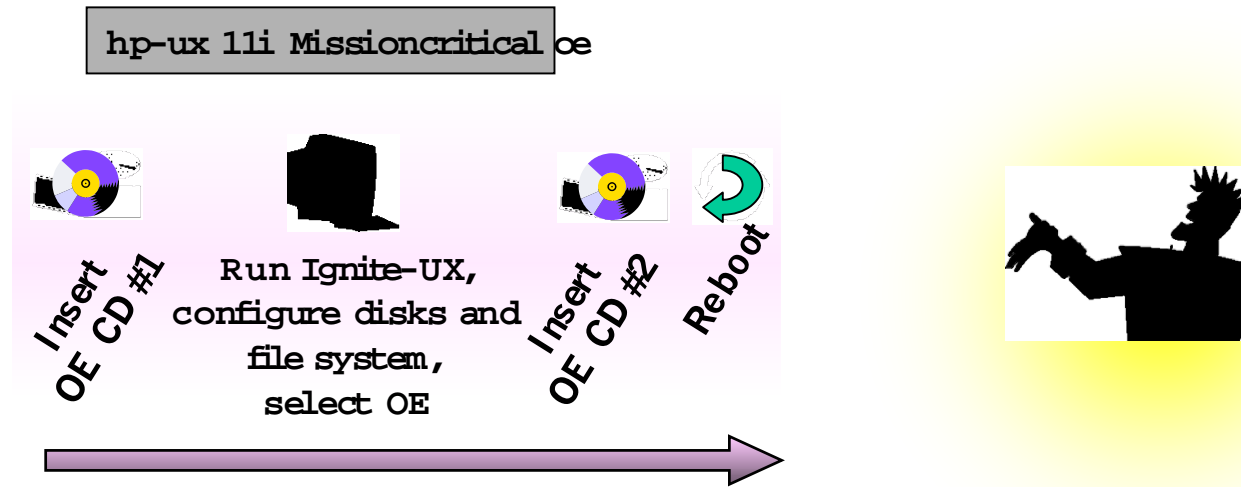
Mission Critical OE Install Time Reduced by 50%
- *Comprehensive list of drivers available during cold install*
- *New media structure (see media structure slides for details)*
- *Reduced number of CD-ROMs required during installation*
- *Just one reboot to install all OE software!*
- *Online Diagnostics loaded during cold install*
- *Nuisance messages greatly reduced*
- *Significantly improved update experience with new Update-UX*

hp-ux Operating Environment media information

- LIF Header is unique on each OE 1st CD-ROM

- OE Bundles:
  - Internet SW Grouping = HPUX11i-OE bundle
  - Internet SW Grouping + Enterprise SW Grouping = HPUX11i-OE-Ent Bundle
  - Internet SW Grouping + Enterprise SW Grouping + Mission Critical SW Grouping = HPUX11i-OE-MC Bundle
  - Minimal Technical SW Grouping = HPUX11i-MTOE Bundle
  - Minimal Technical SW Grouping + Technical Computing SW Grouping = HPUX11i-TCOE Bundle

- A minimum of 4GB disk is required to install an Operating Environment

- A minimum of 128 MB RAM is required to install 11i; however, 256MB is recommended (especially for full Enterprise and Mission Critical OE installations).

- Online Diagnostics are always installed.   Online Diagnostics will appear on the SupportPlus media, which will also include SCAN tools.   SCAN tools will not be on OE media.

- All factory ignited systems will be loaded with the Minimum OE Install (that correlates to the highest media product purchased)

hp-ux Operating Environment media information (page2/2)

- There is no easy way to select individual products within OE bundles to load or remove; this ability is under review

- Both OE CD-ROMs (for any given OE) are required for any installation or update.

- Upgrading of the OE is supported

- Commercial Server OEs are not supported on Technical Systems; Technical Computing OE is supported on ALL systems, Minimal Technical OE is supported on Workstations ONLY

- There are two patch bundles (Hardware Enablement and Bundle11i) on each OE First CD-ROM, and these patch bundles are always installed from media.

hp-ux 11.11 Operating Environment
bundle names and bundle contents

FibrChanl-00 (FibreChannel Tachlite, PCI)   **TokenRing-00** (TokenRing, PCI)   **ATM-00** (ATM, PCI)   **FDDI-00** (FDDI, PCI)

GigEther-00 (Gigabit Ethernet PCI, HSC)   **TokenRing-01** (TokenRing, HP-PB)   **ATM-01** (ATM, HSC/EISA)   **FDDI-01** (FDDI, HSC)

100BaseT-00 (100Base-T, EISA)   **TokenRing-02** (TokenRing, EISA)   **RAID-00** (SCSI RAID, PCI)   **FDDI-02** (FDDI, HP-PB)

100BaseT-01 (100Base-T, HP-PB)   **HyprFabrc-00** (HyperFabric, PCI/HSC)   **TermIO-00** (PCI MUX)   **FDDI-03** (FDDI, EISA)

OnlineDiag (Online Diagnostics)   **J4258BA** (Netscape Directory Server)   **TermIO-01** (EISA MUX)   **HWEnable11i**

perl (Perl Programming Language)   **B5725A*** (Ignite-UX, all versions)   CDE Bundles**   **Bundle11i**

J4274AA (WebQoS Peak Pkg Ed)

Base-VXVM (Lite version of VxVM)

HPUX11i-OE-MC
ECM Toolkit
MC/ServiceGuard (v11.13)
ServiceGuard NFS
Cluster Object Manager
Workload Manager
Workload Manager Toolkit
EMS HA Monitors
MirrorDisk/UX
Online JFS (v3.3)
OV GlancePlus Pak (English)
OV GlancePlus Pak (Japanese)
Process Resource Manager
Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java JPI
Java Runtime Env (v1.2)
Java Runtime (v1.3)
Netscape Comm. (v4.75)
PAM Kerberos
ServiceControl Manager

HPUX11i-TCOE
3D Graphics DevKit/RTE
Netscape Comm. (v4.75)
Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java 3D
Java JPI
Java Runtime Env (v1.2)
Javaruntime(v1.3)
MLIB
MPI
PAM Kerberos
Visualize Conference

HPUX11i-OE-Ent
EMS HA Monitors
MirrorDisk/UX
Online JFS (v3.3)
OV GlancePlus Pak (English)
OV GlancePlus Pak (Japanese)
Process Resource Manager
Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java JPI
Java Runtime Env (v1.2)
Java Runtime (v1.3)
Netscape Comm. (v4.75)
PAM Kerberos
ServiceControl Manager

HPUX11i-OE
Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java JPI
Java Runtime Env (v1.2)
Java Runtime Env (v1.3)
Netscape Comm. (v4.75)
PAM Kerberos
ServiceControl Manager

HPUXBaseAux
DMI&SCR
EMS Framework
Judy Libraries
ObAM5
Partition Manager
Software Distributor
Update-UX

HPUX11i-MTOE
3D Graphics
Netscape Comm. (v4.75)
TechSysConf

HPUXBase64   HPUXBase32

Individual Ignite-UX associated bundles also available: Ignite-UX-11-11, Ignite-UX-11-00, Ignite-UX-10-20.
****10 CDE Bundles reside on all OE 2nd CD-ROM media: CDE-English, CDE-French, CDE-German, CDE-Italian,**
CDE-Japanese, CDE-Korean, CDE-ChineseS, CDE-Spanish, CDE-Swedish, and CDE-ChineseT.

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Content of Commercial Server OE for 11.22

Always-Installed NW
Drivers
Gigabit Ethernet (PCI)
FibreChannel [Tachlite]
(PCI)
SCSI-U32000
Always-installed
Online diagnostic
Base VxVM
Perl
Java JRE (v1.3)
HP Apache Web
Server

Contents of
HPUXBaseAux
EMS Framework
Partition Manager
Update-UX
Judy Libraries
Casey
HP-UX 11i Core Functionality
HPUXBase64 (64-bit)

Content of 11.22 OE
CIFS/9000 Server
CIFS/9000 Client
Netscape Communicator (v4.79)
PAM Kerberos

Customer Selectable Software
HP-UX Install Utilities 11.11 (IUX)
IDS9000

Content of Technical Server
OE for 11.22

Always-Installed NW Drivers
Gigabit Ethernet (PCI)
FibreChannel [Tachlite] (PCI)
SCSI U32000
Always installed
Online diagnostic
Base VxVM
Perl
Java JRE (v1.3)
HP Apache Web Server

Contents of HPUXBaseAux
EMS Framework
Partition Manager
Update-UX
Judy Libraries
Casey
HP-UX 11i Core Functionality
HPUXBase64 (64-bit)

Content of 11.22 TCOE
CIFS/9000 Server
CIFS/9000 Clients
MLIB
MPI
PAM Kerberos

Content of 11.22 MTOE
3D Graphics Dev Kit and RTE
Netscape Communicator (v4.79)
TechSysConf

Customer Selectable Software
HP-UX Install Utilities 11.11 (IUX)
IDS9000

hp-ux 11.22 Operating Environments showing application contents by product number/bundle tag

11.22 Operating Environment

B8725AA   CIFS/9000 Server
B8724AA   CIFS/9000 Client
B8342AA   Netscape Communicator (v4.75)
J5849AA   PAM Kerberos

Always-Installed NW Drivers
Gigabit Ethernet (PCI)
FibreChannel [Tachlite] (PCI)
SCSI U320 (PCI)
Always Installed
Online diagnostic
Base VxVM
Perl
Java JRE (v1.3)
HP Apache Web Server

Contents of HPUXBaseAux
EMS Framework
Partition Manager
Update-UX
Judy Libraries
HP-UX 11i Core Functionality
HPUXBase64 (64-bit)

Customer Selectable software
B5725aa HP-UX Install Utilities 11.11 (IUX)
J5083AA IDS9000

B8725AA CIFS/9000 Server
B8724AA CIFS/9000 Clients
B6061AA MLIB
B6060BA MPI
 J5849AA PAM Kerberos

11i Technical Computing Operating Environment

B6836AA 3D Graphics Dev Kit and RTE
B8342AA Netscape Communicator (v4.75)
TechSysConf

Customer Selectable Software
B5725aa HP-UX Install Utilities 11.11 (IUX

11i Minimal Technical Operating Environment

backup slides

hp-ux 11i Operating Environments
network drivers and mass storage (page 1/2)

100Base-T for EISA Bus

11i Bundle Name
100BaseT-00
Associated 10.20/11.00 HW and SW Products

A4308B, J2780BA

100Base-T for HP-PB Bus

11i Bundle Name
100BaseT-01
Associated 10.20/11.00 HW and SW Products

A3495A, J2759BA

ATM for PCI Bus

11i Bundle Name
ATM-00
Associated 10.20/11.00 HW and SW Products

A5483A, A5513A, A5515A, J3557A, J3572BA

ATM for HSC and EISA Buses

11i Bundle Name
ATM-01
Associated 10.20/11.00 HW and SW Products

J2468A, J2469A, J2499A, J3420B, J3573A, J2806CA

FDDI for PCI Bus

11i Bundle Name
FDDI-00
Associated 10.20/11.00 HW and SW Products

A3739B, J3626AA

FDDI for HSC Bus

11i Bundle Name
FDDI-01
Associated 10.20/11.00 HW and SW Products

A3723A, A3722A, J3629BA, J3701BA

FDDI for HP-PB Bus

11i Bundle Name
FDDI-02
Associated 10.20/11.00 HW and SW Products

J2157B, J2658BA

FDDI for EISA Bus

11i Bundle Name
FDDI-03
Associated 10.20/11.00 HW and SW Products

A3659A, B5502BA, J2647BA

FibreChannel (TachLite) PCI/HSC Bus

11i Bundle Name
FibrChanl-00
Associated 11.00 HW Product

A5158A, A6684A, A6685A

Gigabit Ethernet for PCI and HSC Buses

11i Bundle Name
GigEther-00
Associated 10.20/11.00 HW and SW Products

A4924A, A4925A, A4926A, A4929A, J1642AA

Key   **Always Installed Drivers**   **Customer Selectable Drivers**

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HyperFabric for PCI and HSC Buses

11i Bundle Name

HyprFabrc-00

Associated 10.20/11.00 HW and SW Products

A4919A, A4920A, A4921A, A6092A, A6386A, B6257AA

SCSI RAID for PCI Bus

11i Bundle Name

RAID-00

Associated 11.00 HW Product

A5856A

MUX for PCI Bus

11i Bundle Name

TermIO-00

Associated 10.20/11.00 HW and SW Products

A6748A, A6749A, J3592A, J3593A, J3596A

MUX for EISA Bus

11i Bundle Name

TermIO-01

Associated 10.20/11.00 HW and SW Products

J2482A, J2483A, J2467C

TokenRing for PCI Bus

11i Bundle Name

TokenRing-00

Associated 10.20/11.00 HW and SW Products

A5783A, J1644AA

TokenRing for HP-PB Bus

11i Bundle Name

TokenRing-01

Associated 10.20/11.00 HW and SW Products

J2166B, J2250B

TokenRing for EISA Bus

11i Bundle Name

TokenRing-02

Associated 10.20/11.00 HW and SW Products

J2165B

Drivers included in Base HP-UX

10Base-T for all supported buses
Included in HPUXBase64 and HPUXBase32

10/100Base-T for PCI and HSC Buses
Included in HPUXBase64 and HPUXBase32

Supports A3738A, A5230A, A5506A, A5838A, A5838A, A6792A, B5509BA, J3514A, J3515A, J3516A, J3620BA, J3623BA, J3850A, J4253AA, J4254AA

FibreChannel(Tachyon) for HSC Bus
Included in HPUXBase64 and HPUXBase32

SCSI
Included in HPUXBase64 and HPUXBase32

Key   Always Installed Drivers   Customer Selectable Drivers

Mapping Sample

- Mapping will be given for each OE bundle such that customers can identify individual applications' product.fileset content
- This highly customized, customer-specific method of installation or removal of OE bundle components is not guaranteed to meet all required software dependencies

```
#########################################################################

    #Description:      Java 2 RTE for HP-UX (700/800), PA1.1 + PA2.0 Add On

  Java2RTE_base.JAVA2-JRE-BASE,r=1.2.2.04.02,a=HP-UX_B.11.11_32/64,v=HP
  Java2RTE_doc.JAVA2-JRE-DOC,r=1.2.2.04.02,a=HP-UX_B.11.11_32/64,v=HP
  Java2RTE_perf.JAVA2-JRE,r=1.2.2.04.02,a=HP-UX_B.11.11_32/64,v=HP

#########################################################################

    #Description:       HP-UX ServiceControl Manager

  ServControlMgr.MX-AGENT,r=A.01.01.01,a=HP-UX_B.11.00_32/64,v=HP
  ServControlMgr.MX-CMS,r=A.01.01.01,a=HP-UX_B.11.00_32/64,v=HP
  ServControlMgr.MX-ENG-MAN,r=A.01.01.01,a=HP-UX_B.11.00_32/64,v=HP
  ServControlMgr.MX-TOOLS,r=A.01.01.01,a=HP-UX_B.11.00_32/64,v=HP
```

Glossary of Terms

Operating Environment(OE) An integrated and tested software solution containing HP-UX Operating system software and selected applications that are marketed and supported via OE-specific license and media product(s)

HP-UX 11i Mission Critical OE An Operating Environment marketed and supported only for Commercial Servers containing HPUXBase, HPUXBaseAux Bundle, Mission Critical Software Bundle, Always-Installed Network Drivers, Customer Selectable Software

HP-UX 11i Enterprise OE An Operating Environment marketed and supported only for Commercial Servers containing HPUXBase, HPUXBaseAux Bundle, Enterprise Software Bundle, Always-Installed Network Drivers, Customer Selectable Software

HP-UX 11i OE An Operating Environment marketed and supported only for Commercial Servers containing HPUXBase, HPUXBaseAux Bundle, 11i Software Bundle, Always-Installed Network Drivers, Customer Selectable Software

Glossary of Terms

[HP-UX 11i Technical Computing OE](#) An Operating Environment marketed and supported on Technical Computing Servers and Workstations containing HPUXBase, HPUXBaseAux Bundle, Technical Computing Software Bundle, Always-Installed Network Drivers, Customer Selectable Software

[HP-UX 11i Minimal Technical OE](#) An Operating Environment marketed and supported on Technical Computing Workstations containing HPUXBase, HPUXBaseAux Bundle, Minimal Technical Software Bundle, Always-Installed Network Drivers, Customer Selectable Software

[Internet Grouping](#) Group of applications that comprise the definitive list of what is in the 11i OE (Commercial Servers only); this term synonymous with "11i Software Bundle"

[Enterprise Grouping](#) Group of applications that comprise the definitive list of what is in the Enterprise OE (Commercial Servers only)

[Mission Critical Grouping](#) Group of applications that comprise the definitive list of what is in the Mission Critical OE (Commercial Servers only)

Glossary of Terms

Minimal Technical Grouping Group of applications that comprise
the definitive list of what is in the Minimal Technical OE (Workstations only)
Technical Computing Grouping Group of applications that comprise
the definitive list of what is in the Technical Computing OE (Technical
Systems only)
11i Software Bundle A bundle of product.filesets that comprise the
applications included in the 11i Grouping; this term synonymous
with "11i Software Grouping". SD Bundle Tag: HPUX11i-OE
Enterprise Software Bundle A bundle of product.filesets that comprise
the applications included in the 11i and Enterprise Groupings
SD Bundle Tag: HPUX11i-OE-Ent
Mission Critical Software Bundle A bundle of product.filesets that
comprise the applications included in the 11i, Enterprise, and Mission
Critical Groupings. SD Bundle Tag: HPUX11i-OE-MC
Minimal Technical Software Bundle A bundle of product.filesets that
comprise the applications included in the Minimal Technical Computing
Grouping. SD Bundle Tag: HPUX11i-MTOE

Glossary of Terms

[Tech Computing Software Bundle](#) A bundle of product.filesets that comprise the applications included in the Minimal Technical and Technical Computing Groupings. SD Bundle Tag: HPUX11i-TCOE

[HPUXBase](#) Base HP-UX "core" Operating system software that includes, at a minimum, 32 and 64 bit versions of the kernel and the LIF header. Relevant SD Bundle Tags: HPUXBase64 HPUXBase32

[HPUXBaseAux Bundle](#) A bundle that contains software components and Applications that complement functionality in HPUXBase and will always be loaded onto systems during cold install and factory ignition process.

[Base OS Install](#) Install of a combination of HPUXBase, HPUXBaseAux, Always-Installed Network Drivers, ACE Patch Bundle, and CDE (English only for Commercial Servers, all localized CDE bundles for Technical Systems)

[Minimum OE Install](#) Install of a combination of HPUXBase64 or HPUXBase32 (dependent upon HW), HPUXBaseAux, Always-Installed Network Drivers, CDE (English only for Commercial Servers, All for Technical Systems), and the highest content OE Software Bundle designated by the IUX Menu Selector.

Glossary of Terms

[1st CD-ROM](#) CD-ROM that contains, at a minimum, HPUXBase64, HPUXBase 32, HPUXBaseAux, and Always-Installed Network Drivers.

[2nd CD-ROM](#) CD-ROM that contains, at a minimum, CDE and the OE Software Bundle.

[Customer Selectable](#) Referring to the install process, applications optionally selected and loaded by the customer

[Always-Installed NW Drivers](#) Network Drivers that are always installed during the cold install and factory ignition processes.

hp-ux 11i Operating Environment

HP-UX 11i Operating Environment

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)

Contents of HPUXBaseAux
DMI & SCR
EMS Framework
Judy Libraries
ObAM5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java JPI
Java Runtime Env (v1.2)
Netscape Communicator (v4.75)
PAM Kerberos
ServiceControl Manager
Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)
Base VxVM Volume Manager
*Online Diagnostics
*Perl
Netscape Directory Server
WebQoS Peak Package Edition

Online Diagnostics and Perl are always installed.

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hp-ux 11i enterprise Operating Environment

HP-UX 11i Enterprise
Operating Environment

EMS HA Monitors
MirrorDisk/UX
Online JFS (v3.3)
OV GlancePlus Pak (English)
OV GlancePlus Pak (Japanese)
Process Resource Manager

Application Contents of HP-UX 11i
Operating Environment

<u>Always-Installed N W Drivers</u>
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
S C SI RAID (PCI)

<u>Contents of HPUXBaseAux</u>
DMI & SCR
EMS Framework
Judy Libraries
ObAM5
Partition Manager
Software Distributor

<u>HP-UX 11i Core Functionality</u>
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Online Diagnostics are always installed.

hp-ux 11i Mission Critical Operating Environment

HP-UX 11i Mission Critical Operating Environment

ECM Toolkit
MC/ServiceGuard (v11.13)
ServiceGuard NFS
Cluster Object Manager
Workload Manager
Workload Manager Toolkit

Application Content of HP-UX 11i Enterprise Operating Environment

Application Content of HP-UX 11i Operating Environment

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)

Contents of HPUXBaseAux
DMI&SCR
EMS Framework
Judy Libraries
ObAM5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Online Diagnostics are always installed.

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hp-ux 11i minimalTechnical Operating Environments

HP-UX 11i Minimal Technical
Operating Environment

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)

Contents of HPUXBaseAux
DMI & SCR
EMS Framework
Judy Libraries
ObAM5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

3D Graphics Developers Kit and Runtime Env
Netscape Communicator (v4.75)

Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
TokenRing (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (IUX)
*Online Diagnostics
*Perl
Netscape Directory Server

*Online Diagnostics and Perl are always installed.

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hp-ux 11i Technical Computing Operating Environment

HP-UX 11i Technical Computing Operating Environment

Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
FirstSpace VRML Viewer
Java 3D
Java JPI
Java Runtime Env (v1.2)
MLIB
MPI
PAM Kerberos
Visualize Conference

Application Contents of HP-UX 11i Minimal Technical OE

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
FibreChannel [Tachlite] (PCI)
SCSI RAID (PCI)

Contents of HPUXBaseAux
DMI & SCR
EMS Framework
Judy Libraries
ObAM5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUXBase64 (64-bit)
HPUXBase32 (32-bit)

Online Diagnostics are always installed.