

Updated Information on Operating Environments for 11i

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What does all this mean

11.11

11i

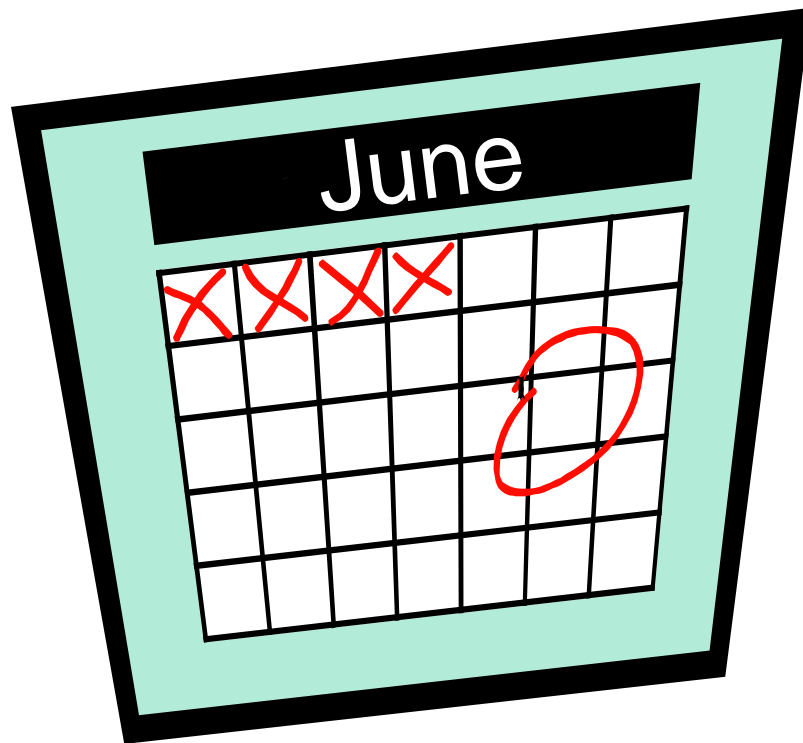
11.20

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.

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 based during cold install

simple to purchase license

- Each OE license product contains licensing for the base HP-UX OS and all of the included HP applications

simple to purchase software support

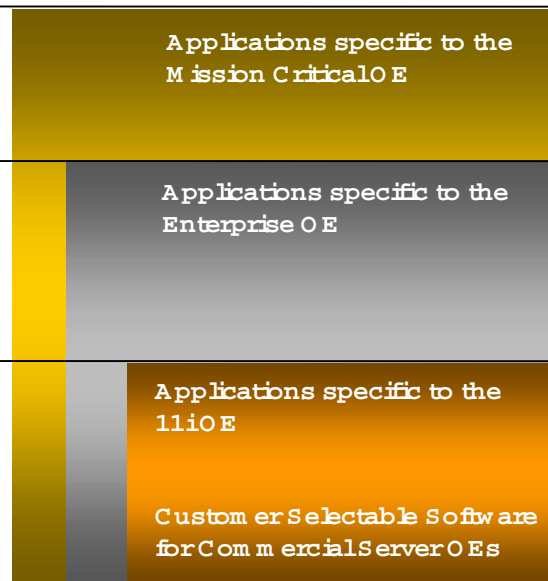
- Simplification in Software Support ordering and contract administration has been achieved in parallel with the introduction of HP-UX 11i Operating Environments

Getting to know hp-ux Operating Environments for 11.11

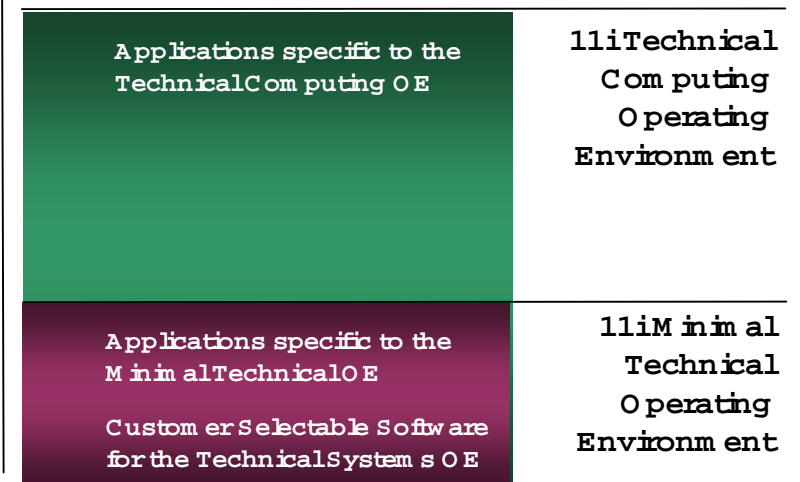
design overview

- 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

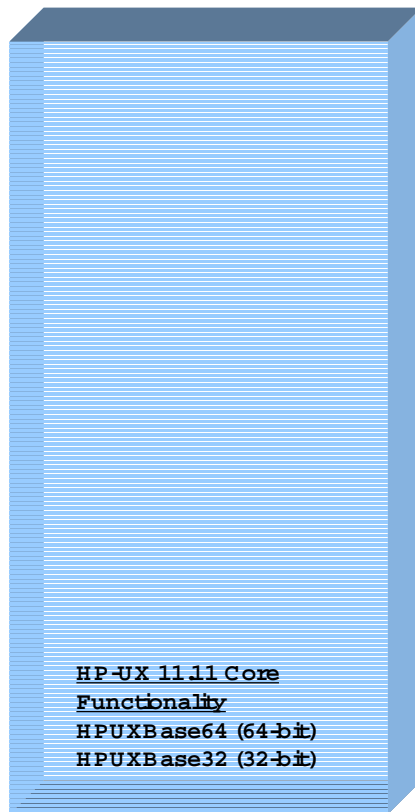


technical servers and workstations



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

Content of Commercial Server OE for 11.11



Content of Commercial Server OE for 11.11

Contents of
HPUXBaseAux
DM & SCR
EMS Framework
ObAM 5
Partition Manager
Software Distributor
Update-UX

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

Content of Commercial Server OE for 11.11

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

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HPUXBase32 (32-bit)

Content of Commercial Server OE for 11.11

Always-Installed NW

Drivers

GigabitEthernet (PCI,HSC)

FDDI (PCI)

FibreChannel [Tachlite]

(PCI)

SCSIRAD (PCI)

Always installed

Online diagnostic

Base VxVM (v3.2)

perl

Contents of

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Customer Selectable Software
100Base-T (HP-PB,ESA) ATM (PCI,HSC)
FDDI (HSC,HP-PB,ESA) HyperFabric (PCI,HSC)
MUX (PCI,ESA) TokenRing (PCI,HP-PB,ESA)
HP-UX InstallUtilities 11.11 (UX) Judy Libraries
Netscape Directory Server **WebQoS Peak Package Edition**
JavaOOB **IP Filter**
DS 9000

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HP-UX 11.11 Core Functionality
HPUXBase64 (64-bit)
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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,ESA)	ATM (PCI,HSC)
FDDI (HSC,HP-PB,ESA)	HyperFabric (PCI,HSC)
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HP-UX 11.11 Core

Functionality

HPUXBase64 (64-bit)

HPUXBase32 (32-bit)

Contents of 11i Enterprise OE

EM S H A 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

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

Contents of 11i Mission Critical OE

ECM Toolkit MC/ServiceGuard (v11.09)
ServiceGuard NFS ClusterObjectManager
Workload Manager Workload Manager toolkit

Contents of 11i Enterprise OE

EMSHAMonitors MirrorDisk/UX
Online JFS (v3.3) OVGLancePlus Pak (English)
OVGLancePlus Pak (Japanese) Process Resource Manager

Content of 11i OE

Apache Web Server CFS/9000 Server
CFS/9000 Client Java JPI
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Content of 11.11 MTOE

Graphics Dev Kit and RTE

TechSysConf

Netscape Communicator v4.75)

Customer Selectable Software

100Base-T (HP-PB,ESA)

FDDI(HSC,HP-PB,ESA)

MUX (PCI,ESA)

HP-UX Install Utilities 11.11 (UX)

Netscape Directory Server

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Gigabit Ethernet (PCI, HSC)

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(PCI)

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Base VxVM (v3.2)

perl

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ObAM 5

Partition Manager

Software Distributor

Update-UX

HP-UX 11.11 Core

Functionality

HPUXBase64 (64-bit)

HPUXBase32 (32-bit)

Contents of 11.11 TCOE

Apache Web Server

CIFS/9000 Client

Java JPI

Java Runtime Env (v1.3)

MPI

Visualize Conference

CIFS/9000 Server

Java 3D

Java Runtime Env (v1.2)

MLB

PAM Kerberos

Content of 11.11 MTOE

Graphics Dev Kit and RTE

TechSysConf

Netscape Communicator v4.75)

Customer Selectable Software

100Base-T (HP-PB, ESA)

FDDI (HSC, HP-PB, ESA)

MUX (PCI, ESA)

HP-UX Install Utilities 11.11 (UX)

Netscape Directory Server

Java OOB

ATM (PCI, HSC)

HyperFabric (PCI, HSC)

TokenRing (PCI, HP-PB, ESA)

Judy Libraries

hp-ux 11.11 Operating Environments content overview

<p>11i Mission Critical Operating Environment</p>	<p>ECM Toolkit MC/ServiceGuard (v11.09) ServiceGuard NFS Cluster Object Manager Workload Manager Workload Manager toolkit</p>		
<p>11i Enterprise Operating Environment</p>	<p>EMSHAMonitors MirrorDisk/UX Online JFS (v3.3) OVGLancePlus Pak (English) OVGLancePlus Pak (Japanese) Process Resource Manager</p>	<p>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</p>	<p>11i Technical Computing Operating Environment</p>
<p><u>Always-Installed NW Drivers</u> Gigabit Ethernet (PCI, HSC) FDDI (PCI) Fibre Channel [TachLite] (PCI) SCSIRAD (PCI) HSC NextGen PCI</p> <p><u>Always installed</u> Online diagnostic Base VxVM (v3.2) perl</p> <p><u>Contents of HPUX BaseAux</u> DM&SCR EMS Framework ObAM 5 Partition Manager Software Distributor Update-UX Judy Libraries</p> <p><u>HP-UX 11i Core Functionality</u> HPUX Base64 (64-bit) HPUX Base32 (32-bit)</p>	<p>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 Service Control Manager <u>Customer Selectable Software</u> 100Base-T (HP-PB, ESA) ATM (PCI, HSC) FDDI (HSC, HP-PB, ESA) HyperFabric (PCI, HSC) MUX (PCI, ESA) Token Ring (PCI, HP-PB, ESA) HP-UX Install Utilities 11.11 (UX) Judy Libraries Netscape Directory Server WebQoS Peak Package Edition IP Filter DS9000 Java OOB</p>	<p>3D Graphics Dev Kit and RTE Netscape Communicator v4.75 TechSysConf</p>	
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hp-ux 11.11 Operating Environments showing application contents by product number/bundle tag

<p>11iMission Critical Operating Environment</p>	<p>B5139DA ECM Toolkit B3935DA MC/ServiceGuard (v11.13) B5140BA ServiceGuard NFS B8324BA ClusterObjectManager B8843CA Workload Manager T1302AA Workload Manager Toolkit</p>		
<p>11iEnterprise Operating Environment</p>	<p>B5736DA EMS HAMonitors B2491BA MirrorDiskUX B3929CA OnlineJFS (v3.3) B3701AA OVG lancePlus Pak (English) B3701AJ OVG lancePlus Pak (Japanese) B3835DA Process Resource Manager</p>	<p>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 MLB B6060BA MPI J5849AA PAM Kerberos B7580AA Visualize Conference</p>	<p>11iTechnical Computing Operating Environment</p>
<p><u>Always-Installed NW Drivers</u> GigabitEthernet (PCI,HSC) FDDI (PCI) FibreChannel [Tachite] (PCI) SCSI RAID (PCI) HSC NextGen PCI</p> <p><u>Always installed</u> Online diagnostic Base VxVM (v3.2) perl</p> <p><u>Contents of HP-UX BaseAux</u> DM & SCR EMS Framework ObAM5 Partition Manager Software Distributor Update-UX Judy Libraries</p> <p><u>HP-UX 11i Core Functionality</u> HP-UX Base64 (64-bit) HP-UX Base32 (32-bit)</p>	<p>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</p> <p><u>Customer Selectable Software</u> 100Base-T (HP-PB,ESA) ATM (PCI,HSC) FDDI (HSC,HP-PB,ESA) HyperFabric (PCI,HSC) MUX (PCI,ESA) TokenRing (PCI,HP-PB,ESA) HP-UX Install Utilities 11.11 (UX) J4258BA Netscape Directory Server IP filter DS 9000 JavaOOB J4274AA WebOS Peak Package Edition</p>	<p>B6268AA 3D Graphics Dev Kit and RTE B8342AA Netscape Communicator (v4.75) TechSysConf</p> <p><u>Customer Selectable Software</u> 100Base-T (HP-PB,ESA) ATM (PCI,HSC) FDDI (HSC,HP-PB,ESA) HyperFabric (PCI,HSC) MUX (PCI,ESA) TokenRing (PCI,HP-PB,ESA) HP-UX Install Utilities 11.11 (UX) J4258BA Netscape Directory Server</p>	<p>11i Minimal Technical Operating Environment</p>

Simplifying sales orders and support contract

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

before oes (prior to 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-UM 4 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 OVGLancePlus Pak 2000, Tier 3 Server, LTU
B3701AA OVGLancePlus Pak (English)
B3835DA Process Resource Manager
B8725AA CFS/9000 Server
B8724AA CFS/9000 Client
B8111AA Java Runtime Env (v1.2)
J4258BA Netscape Directory Server
J4274AA WebQoS Peak Package Edition

..after oes (beginning 12/01/00)

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-UM 9 Version 11.11

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)

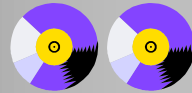
11i Mission Critical OE

Commercial Servers



11i Enterprise OE

Commercial Servers



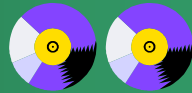
11i Operating Environment

Commercial Servers



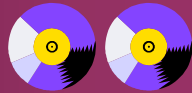
11i Technical Computing OE

Technical Servers and Workstations



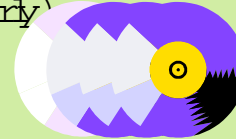
11i Minimal Technical OE

Technical Workstations



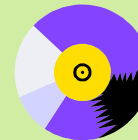
application media

- 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)



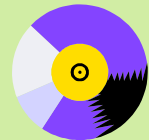
instant info

- Release stream specific (11.11)
- Both Servers and Workstations

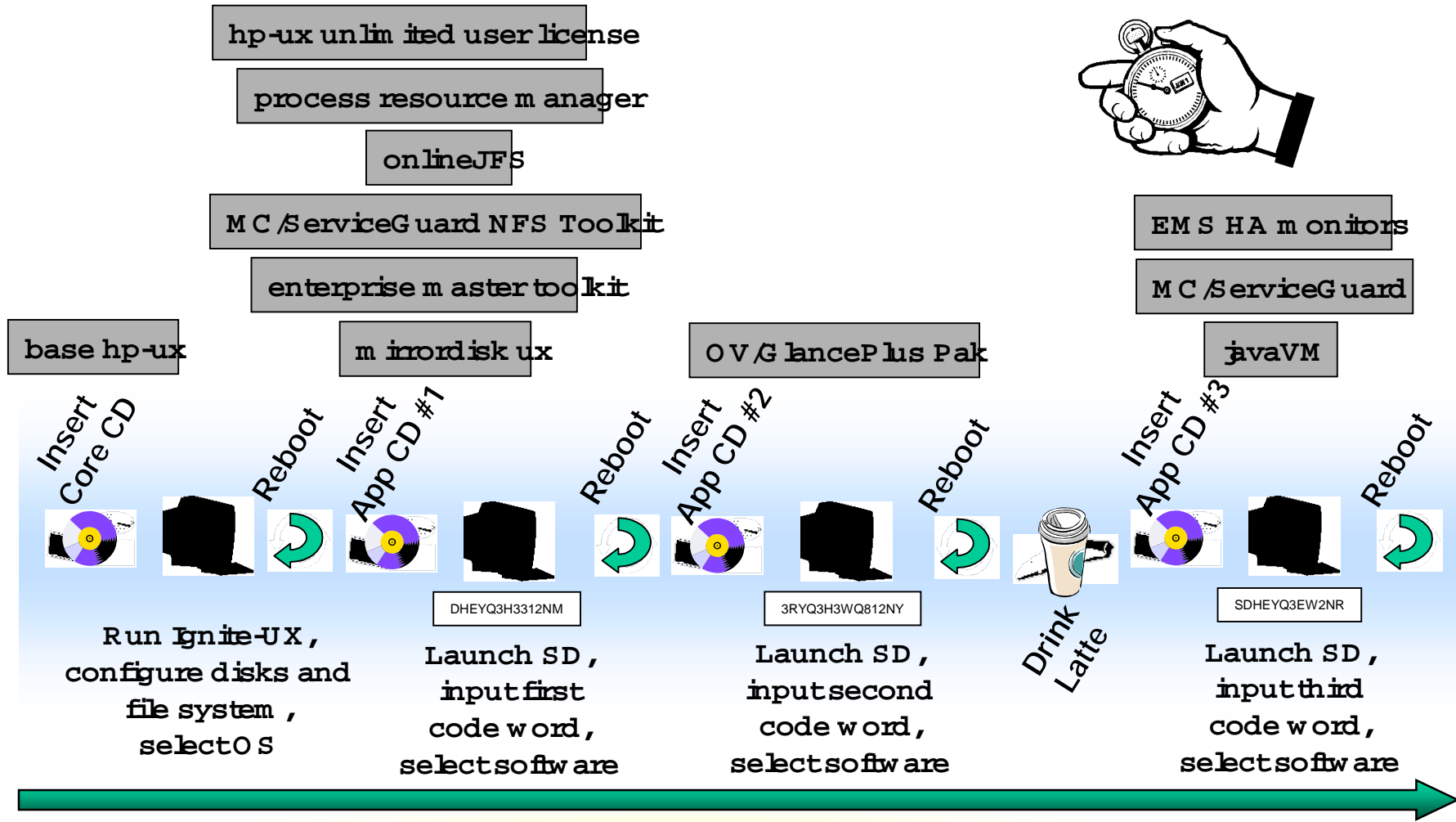


support plus

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

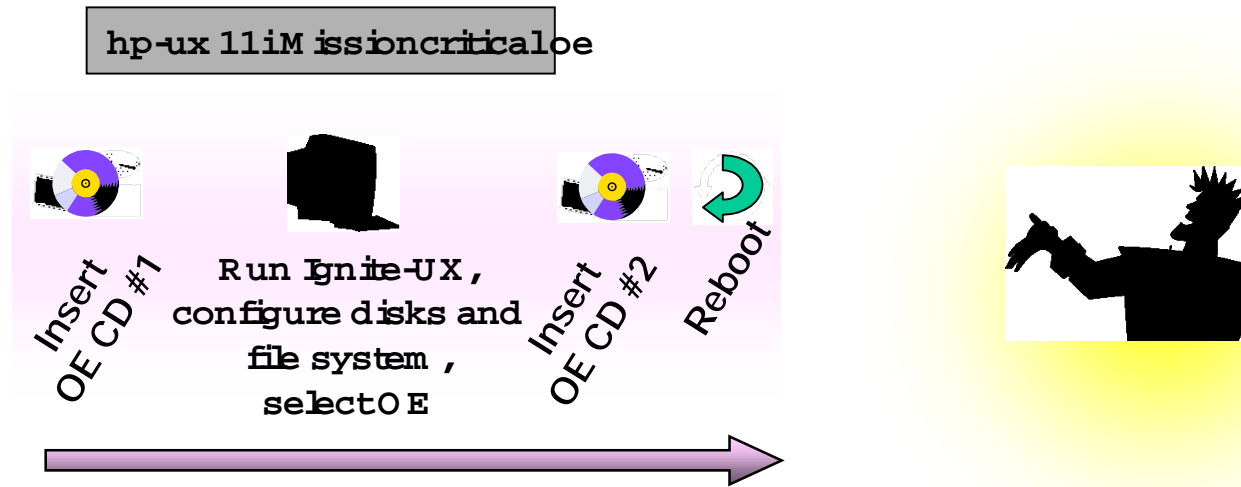


Software deployment before Operating Environments releases (11.00 and prior)



Too many CD-ROMs, code words, and reboots

Software Deployment with Operating Environments on 11.11



Mission Critical OE Installation 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 based 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 1stCD-ROM
- OE Bundles:
 - InternetSW Grouping = HPUX 11i-OE bundle
 - InternetSW Grouping + Enterprise SW Grouping = HPUX 11i-OE-EntBundle
 - InternetSW Grouping + Enterprise SW Grouping + Mission CriticalSW Grouping = HPUX 11i-OE-MC Bundle
 - MinimalTechnicalSW Grouping = HPUX 11i-MTOE Bundle
 - MinimalTechnicalSW Grouping + TechnicalComputing SW Grouping = HPUX 11i-TCOE Bundle
- A minimum of 4GB disk is required to install an Operating Environment
- A minimum of 128MB 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

Standard Bundles common to all OEs

Standard Bundles common to Commercial Server OEs only

FibrChan1-00 (FibreChannelTachLite,PCI)	TokenRing-00 (TokenRing,PCI)	ATM-00 (ATM,PCI)	FDDI-00 (FDDI,PCI)
GigEther-00 (GigabitEthernetPCI,HSC)	TokenRing-01 (TokenRing,HP-PB)	ATM-01 (ATM,HSC/ESA)	FDDI-01 (FDDI,HSC)
100BaseT-00 (100Base-T,ESA)	TokenRing-02 (TokenRing,ESA)	RAID-00 (SCSIRAD,PCI)	FDDI-02 (FDDI,HP-PB)
100BaseT-01 (100Base-T,HP-PB)	HyprFabr-00 (HyperFabric,PCI/HSC)	TermD-00 (PCIMUX)	FDDI-03 (FDDI,ESA)
OnlineDdiag (Online Diagnostics)	J4258BA (Netscape Directory Server)	TermD-01 (ESAMUX)	HW Enable11i
perl (Perl Programming Language)	B5725A* (Ignite-UX, all versions)	CDE Bundles**	Bundle11i

J4274AA (WebQoS Peak Pkg Ed)

Base-VXVM (Lite version of VXVM)

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HPUX11iTCOE
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CFS/9000 Client
Java 3D
Java JPI
Java Runtime Env (v1.2)
Javaruntime (v1.3)
MLB
MPI
PAM Kerberos
Visualize Conference

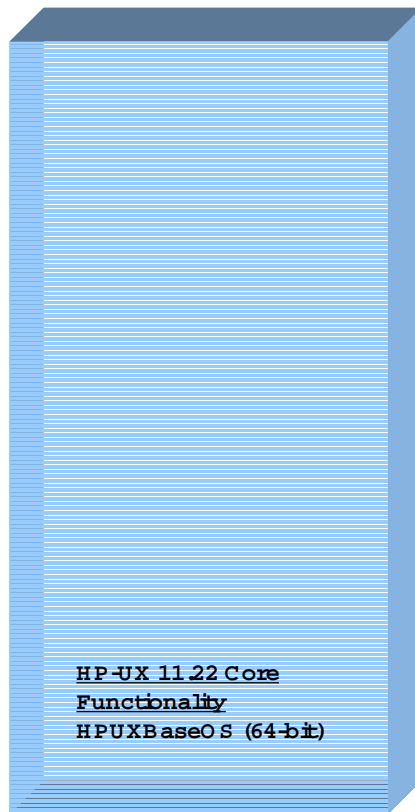
HPUX11iMTOE
3D Graphics
Netscape Comm. (v4.75)
TechSysConf

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.



Content of Commercial Server OE for 11.22



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Contents of
HPUXBaseAux
Em s Fram ework
Judy Libraries
Software
D istributor
Update-UX
Casey
HP-UX 11.22 Core
Functionality
HPUXBaseOS (64-bit)

Content of Commercial Server OE for 11.22

Always installed

Online diag

Pearl

HP Apache web
server

Java JRE v 1.3

Base VxVM

Contents of

HPUXBaseAux

Em s Fram ework

Judy Libraries

Software

D istributor

Update-UX

Casey

HP-UX 11.22 Core

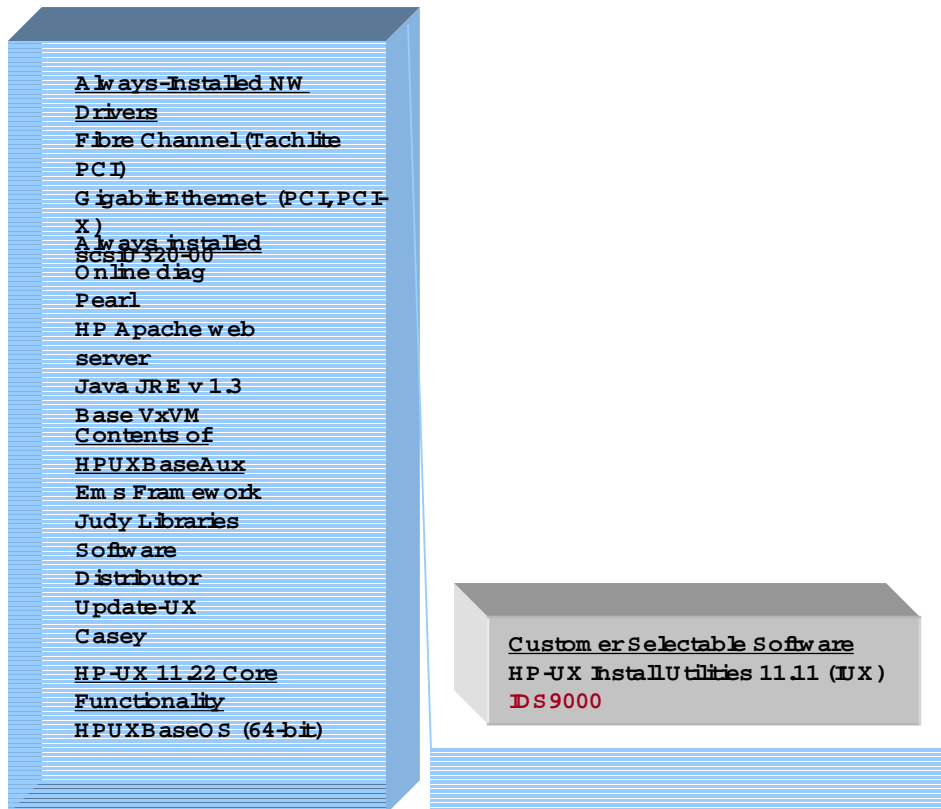
Functionality

HPUXBaseOS (64-bit)

Content of Commercial Server OE for 11.22

Always-Installed NW
Drivers
Fibre Channel (Tachlite
PCI)
Gigabit Ethernet (PCI, PCI-
X)
~~Always installed~~
~~scsi 320-00~~
Online diag
Pearl
HP Apache web
server
Java JRE v 1.3
Base VxVM
Contents of
HPUXBaseAux
Em s Fram ework
Judy Libraries
Software
Distributor
Update-UX
Casey
HP-UX 11.22 Core
Functionality
HPUXBaseOS (64-bit)

Content of Commercial Server OE for 11.22



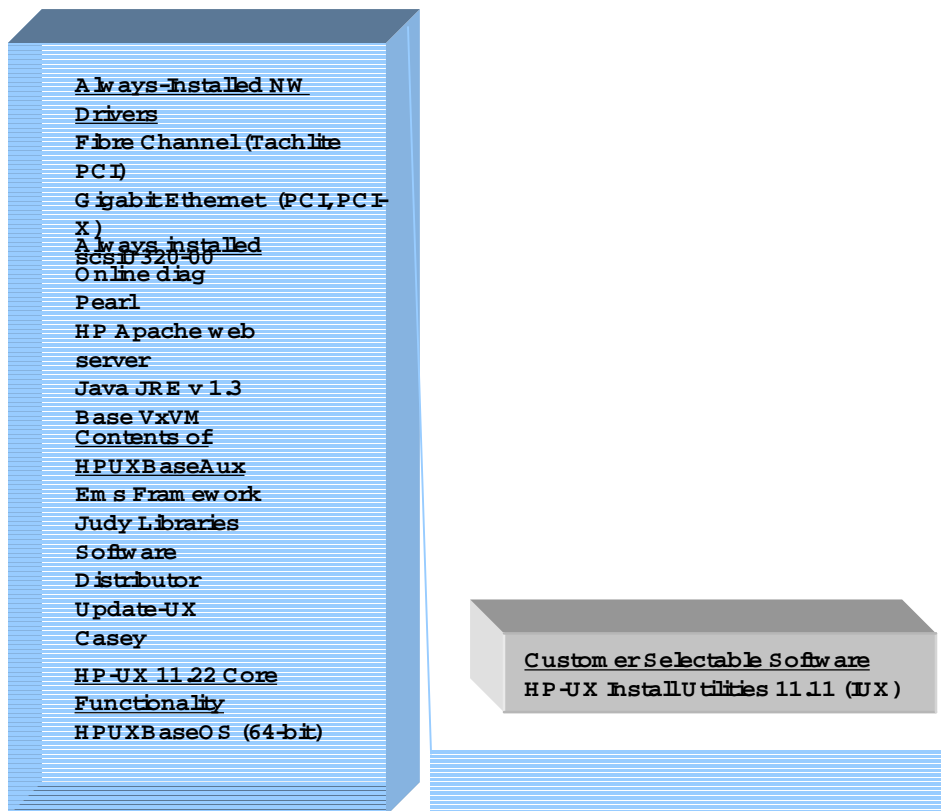
Content of Commercial Server OE for 11.22

Always-Installed NW Drivers
Fibre Channel (Tachlite PCI)
Gigabit Ethernet (PCI, PCI-X)
~~Always installed~~
~~scsi 320-00~~
Online diag
Pearl
HP Apache web server
Java JRE v 1.3
Base VxVM
Contents of HPUX BaseAux
Em s Framework
Judy Libraries
Software
Distributor
Update-UX
Casey
HP-UX 11.22 Core Functionality
HPUX BaseOS (64-bit)

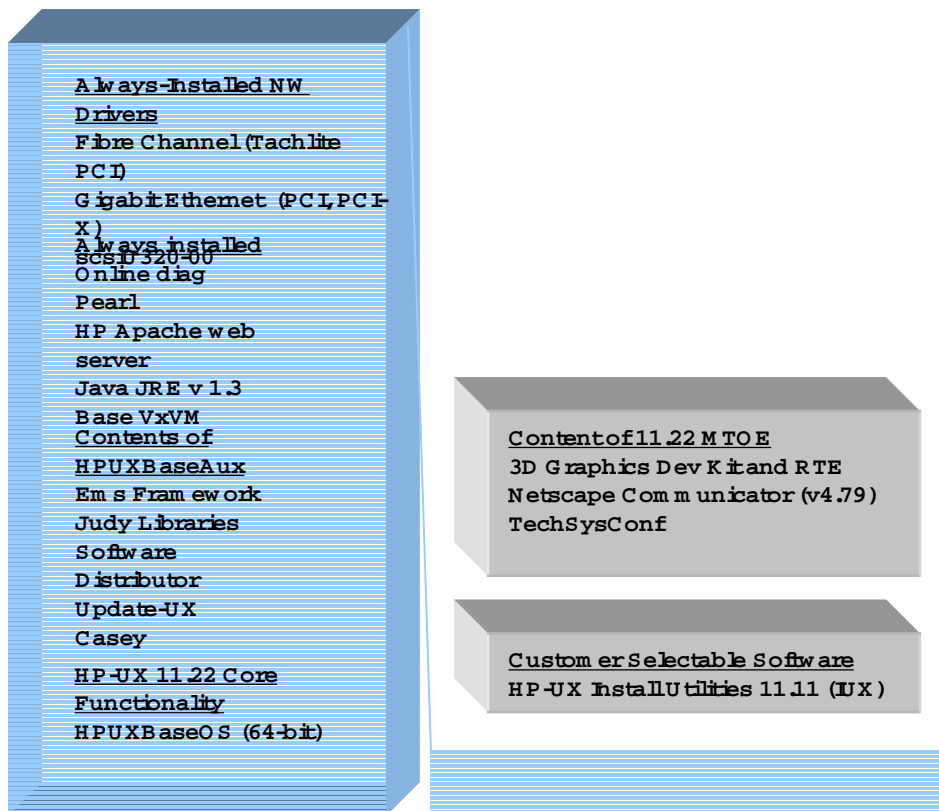
Content of 11.22 OE
CIFS 9000 Server
CIFS 9000 Client
Netscape Communicator (v4.79)
PAM Kerberos

Customer Selectable Software
HP-UX Install Utilities 11.11 (UX)
DS9000

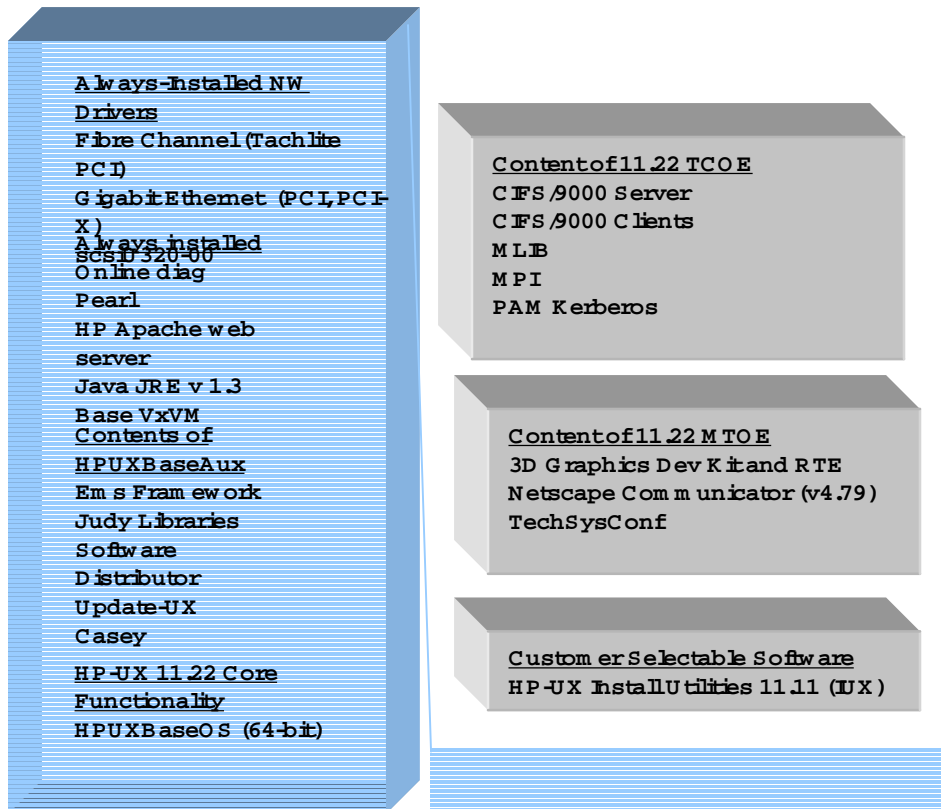
Content of Technical Server OE for 11.22



Content of Technical Server OE for 11.22



Content of Technical Server OE for 11.22



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

<p>11.22 Operating Environment</p>	<p>B8725AA CIFS/9000 Server B8724AA CIFS/9000 Client B8342AA Netscape Communicator (v4.75) J5849AA PAM Kerberos</p>	
<p><u>Always-Installed NW Drivers</u> Gigabit Ethernet (PCI) FibreChannel [TachLite] (PCI) ACLS2000 Online diagnostic Base VxVM Perl Java JRE (v1.3) HP Apache Web Server</p> <p><u>Contents of HPUXBaseAux</u> EMS Framework Partition Manager Update-UX Judy Libraries HP-UX 11iCore Functionality HPUXBase64 (64-bit)</p>	<p><u>Customer Selectable software</u> B5725aa HP-UX InstallUtilities 11.11 (UX) J5083AA DS9000</p>	<p>B8725AA CIFS/9000 Server B8724AA CIFS/9000 Clients B6061AA MLB B6060BA MPI J5849AA PAM Kerberos</p> <hr/> <p>B6836AA 3D Graphics Dev Kit and RTE B8342AA Netscape Communicator (v4.75) TechSysConf</p> <p><u>Customer Selectable Software</u> B5725aa HP-UX InstallUtilities 11.11 (UX)</p>

11i Technical Computing Operating Environment

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

11iBundle Name

100BaseT-00

Associated 10.20/11.00 HW and SW Products

A 4308B ,J2780BA

100Base-T for HP-PB Bus

11iBundle Name

100BaseT-01

Associated 10.20/11.00 HW and SW Products

A 3495A ,J2759BA

ATM for PCIBus

11iBundle Name

ATM -00

Associated 10.20/11.00 HW and SW Products

A 5483A ,A 5513A ,A 5515A ,J3557A ,J3572BA

ATM for HSC and EISA Buses

11iBundle Name

ATM -01

Associated 10.20/11.00 HW and SW Products

J2468A ,J2469A ,J2499A ,J3420B ,J3573A ,J2806CA

FDDI for PCIBus

11iBundle Name

FDDI-00

Associated 10.20/11.00 HW and SW Products

A 3739B ,J3626AA

FDDI for HSC Bus

11iBundle Name

FDDI-01

Associated 10.20/11.00 HW and SW Products

A 3723A ,A 3722A ,J3629BA ,J3701BA

FDDI for HP-PB Bus

11iBundle Name

FDDI-02

Associated 10.20/11.00 HW and SW Products

J2157B ,J2658BA

FDDI for EISA Bus

11iBundle Name

FDDI-03

Associated 10.20/11.00 HW and SW Products

A 3659A ,B 5502BA ,J2647BA

FibreChannel (TachLite) PCI/HSC Bus

11iBundle Name

FibrChan1-00

Associated 11.00 HW Product

A 5158A ,A 6684A ,A 6685A

Gigabit Ethernet for PCI and HSC Buses

11iBundle Name

GigEther-00

Associated 10.20/11.00 HW and SW Products

A 4924A ,A 4925A ,A 4926A ,A 4929A ,J1642AA

Key

Always Installed Drivers

Customer Selectable Drivers



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

HyperFabric for PCI and HSC Buses

11iBundle Name

HyperFabric-00

Associated 10.20/11.00 HW and SW Products

A 4919A ,A 4920A ,A 4921A ,A 6092A ,A 6386A ,B 6257AA

SCS RAID for PCI Bus

11iBundle Name

RAID-00

Associated 11.00 HW Product

A 5856A

MUX for PCI Bus

11iBundle Name

Term ID -00

Associated 10.20/11.00 HW and SW Products

A 6748A ,A 6749A ,J3592A ,J3593A ,J3596A

MUX for EISA Bus

11iBundle Name

Term ID -01

Associated 10.20/11.00 HW and SW Products

J2482A ,J2483A ,J2467C

TokenRing for PCI Bus

11iBundle Name

TokenRing-00

Associated 10.20/11.00 HW and SW Products

A 5783A ,J1644AA

TokenRing for HP-PB Bus

11iBundle Name

TokenRing-01

Associated 10.20/11.00 HW and SW Products

J2166B ,J2250B

TokenRing for EISA Bus

11iBundle 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 A 3738A ,A 5230A ,A 5506A ,A 5838A ,A 5838A ,
A 6792A ,B 5509BA ,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 file set 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), PA 1.1 + PA 2.0 Add On
```

```
Java2RTE_base.JAVA 2-JRE-BASE r=1.2.2.04.02 a=HP-UX_B.11.11_32/64 v=HP
```

```
Java2RTE_doc.JAVA 2-JRE-DOC r=1.2.2.04.02 a=HP-UX_B.11.11_32/64 v=HP
```

```
Java2RTE_perf.JAVA 2-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 HP-UX Base, HP-UX Base Aux Bundle, Mission Critical Software Bundle, Always-Installed Network Drivers, Custom er Selectable Software

HP-UX 11i Enterprise OE An Operating Environment marketed and supported only for Commercial Servers containing HP-UX Base, HP-UX Base Aux Bundle, Enterprise Software Bundle, Always-Installed Network Drivers, Custom er Selectable Software

HP-UX 11i OE An Operating Environment marketed and supported only for Commercial Servers containing HP-UX Base, HP-UX Base Aux Bundle, 11i Software Bundle, Always-Installed Network Drivers, Custom er Selectable Software

Glossary of Terms

[HP-UX 11i Technical Computing OE](#) An Operating Environment marketed and supported on Technical Computing Servers and Workstations containing HP-UX Base, HP-UX Base Aux 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 HP-UX Base, HP-UX Base Aux 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: HPUX11iOE

Enterprise Software Bundle A bundle of product filesets that comprise the applications included in the 11i and Enterprise Groupings. SD Bundle Tag: HPUX11iOE-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: HPUX11iOE-MC

Minimal Technical Software Bundle A bundle of product filesets that comprise the applications included in the Minimal Technical Computing Grouping. SD Bundle Tag: HPUX11iMTOE

Glossary of Terms

[Tech Computing Software Bundle](#) A bundle of product file sets that comprise the applications included in the Minimal Technical and Technical Computing Groupings. SD Bundle Tag: HPUX11iTCOE

[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, HPUX Base 64, HPUX Base 32, HPUX Base Aux, 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)
Fibre Channel [Tachlite] (PCI)
SCSIRAD (PCI)

Contents of HPUXBaseAux

DM & SCR
EMS Framework
Judy Libraries
ObAM 5
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
Service Control Manager
Customer Selectable Software
100Base-T (HP-PB, EISA)
ATM (PCI, HSC)
FDDI (HSC, HP-PB, EISA)
HyperFabric (PCI, HSC)
MUX (PCI, EISA)
Token Ring (PCI, HP-PB, EISA)
HP-UX Install Utilities 11.11 (UX)
Base VxVM Volume Manager
*Online Diagnostics
*Perl
Netscape Directory Server
WebQoS Peak Package Edition

**Online Diagnostics and Perl are always installed.*

hp-ux 11i enterprise Operating Environment

HP-UX 11i Enterprise
Operating Environment

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
Fibre Channel [TachLite] (PCI)
SCSI RAID (PCI)

Contents of HP-UX Base A ux

DM & SCR
EM S Framework
Judy Libraries
ObAM 5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality

HP-UX Base64 (64-bit)
HP-UX Base32 (32-bit)

EM S HA Monitors
MirrorDisk/UX
Online JFS (v3.3)
OV G lance Plus Pak (English)
OV G lance Plus Pak (Japanese)
Process Resource Manager

Application Contents of HP-UX 11i
Operating Environment

**Online Diagnostics are always installed.*

hp-ux 11i Mission Critical Operating Environment

HP-UX 11i Mission Critical
Operating Environment

Always-Installed NW Drivers
Gigabit Ethernet (PCI, HSC)
FDDI (PCI)
Fibre Channel [TachLite] (PCI)
SCSI RAID (PCI)

Contents of HPUX BaseAux
DM & SCR
EMS Framework
Judy Libraries
ObAM 5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUX Base64 (64-bit)
HPUX Base32 (32-bit)

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

**Online Diagnostics are always installed.*

hp-ux 11i minimal Technical Operating Environments

HP-UX 11i minimal Technical
Operating Environment

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

Contents of HPUX BaseAux
DM & SCR
EMS Framework
Judy Libraries
ObAM 5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUX Base64 (64-bit)
HPUX Base32 (32-bit)

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

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

**Online Diagnostics and Perl are always installed.*

hp-ux 11i Technical Computing Operating Environment

HP-UX 11i Technical Computing
Operating Environment

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

Contents of HPUX Base A ux
DM & SCR
EMS Framework
Judy Libraries
ObAM 5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HPUX Base 64 (64-bit)
HPUX Base 32 (32-bit)

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

Application Contents of HP-UX 11i
Minimal Technical OE

*Online Diagnostics are always installed.