

# Updated Information on Operating Environments for 11i

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What does all this mean

11.11

11i

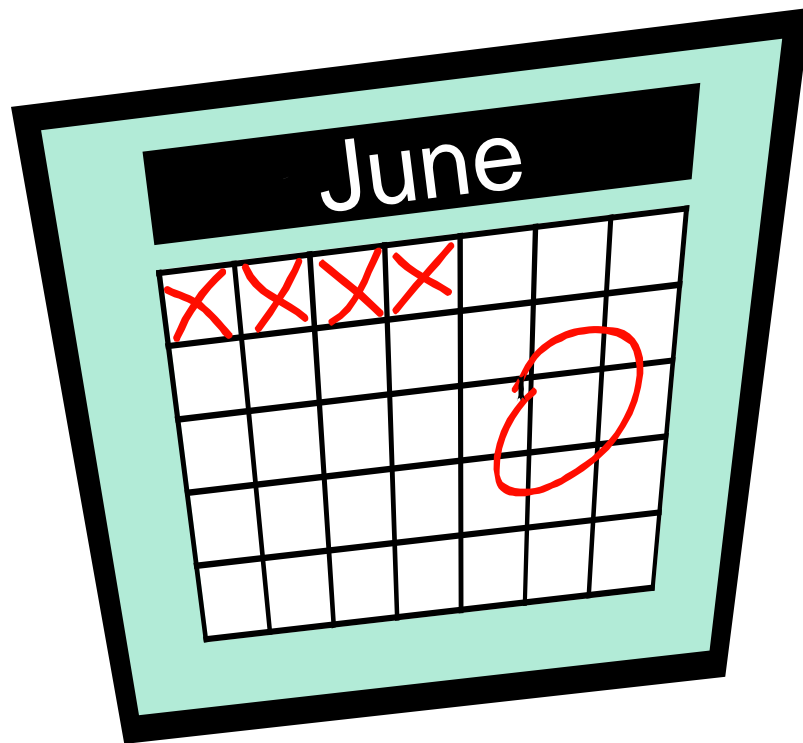
11.20

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

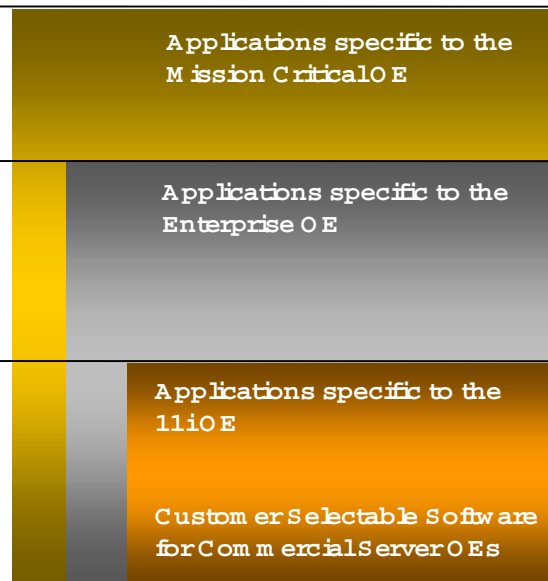
- Simplification in Software Support ordering and contract administration has been achieved in parallel with the introduction of HP-UX 11i Operating Environments

# Getting to know hp-ux Operating Environments for 11.11

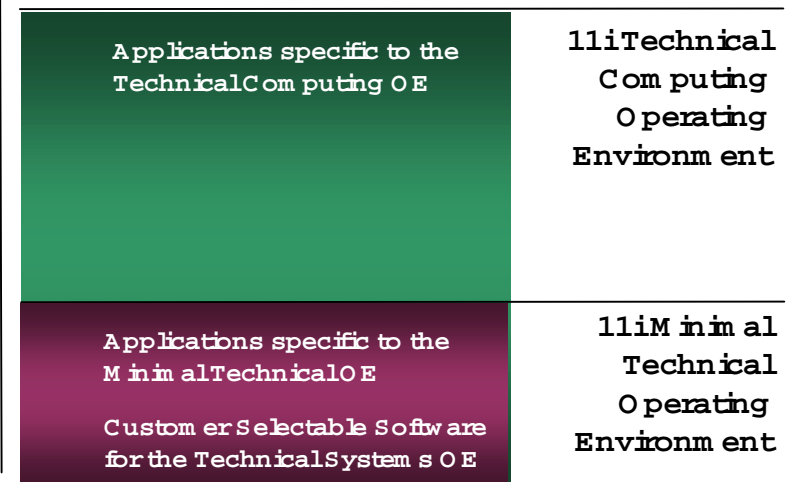
## design overview

- 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

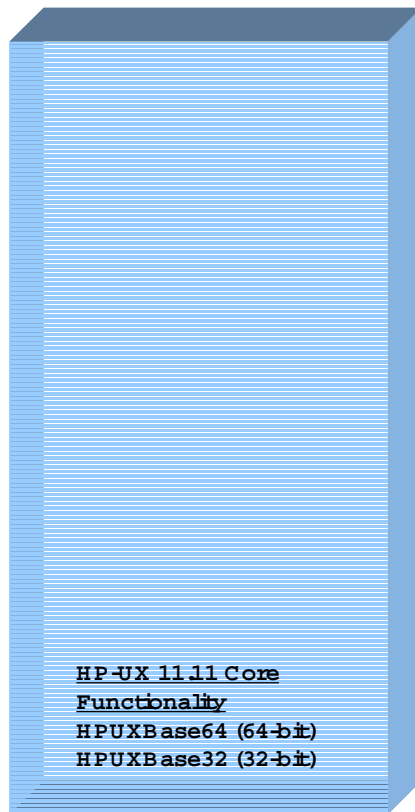


## technical servers and workstations



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

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 NW

### Drivers

GigabitEthernet (PCI,HSC)

FDDI (PCI)

FibreChannel [Tachlite]

(PCI)

SCSIRaid (PCI)

Always installed

Online diagnostic

Base VxVM (v3.2)

perl

### 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 NW Drivers  
GigabitEthernet (PCI,HSC)  
FDDI (PCI)  
FibreChannel [Tachlite] (PCI)  
SCSIRAD (PCI)  
Always installed  
Online diagnostic  
Base VxVM (v3.2)  
perl

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)

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**

# 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 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 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)
MUX (PCI,ESA)	TokenRing (PCI,HP-PB,ESA)
HP-UX Install Utilities 11.11 (UX)	Judy Libraries
Netscape Directory Server	WebQoS Peak Package Edition
JavaOOB	IP Filter
DS 9000	

# Content of Commercial Server OE for 11.11

## Always-Installed NW

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(PCI)

SCSIRAD (PCI)

### Always installed

Online diagnostic

Base VxVM (v3.2)

perl

### 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)

## 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

ServiceControl Manager

## 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)

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Netscape Directory Server

WebQoS Peak Package Edition

JavaOOB

IP Filter

DS 9000

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Always-Installed NW Drivers  
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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 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  
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)  
MUX (PCI, ESA)                TokenRing (PCI, HP-PB, ESA)  
HP-UX Install Utilities 11.11 (UX)    Judy Libraries  
Netscape Directory Server        WebQoS Peak Package Edition  
Java OOB                        IP Filter  
DS 9000

# Content of Technical 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 HPUXBaseAux  
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HP-UX InstallUtilities 11.11 (UX)      Judy Libraries  
Netscape Directory Server  
JavaOoB

# Content of Technical Server OE for 11.11

## Always-Installed NW

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FDDI (PCI)

FibreChannel [Tachlite]  
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SCSIRAD (PCI)

### Always installed

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### Contents of

HPUXBaseAux

DMESCR

EMS Framework

ObAM5

Partition Manager

Software Distributor

Update-UX

### HP-UX 11.11 Core

#### Functionality

HPUXBase64 (64-bit)

HPUXBase32 (32-bit)

### 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

JavaOOB

ATM (PCI,HSC)

HyperFabric (PCI,HSC)

TokenRing (PCI,HP-PB,ESA)

Judy Libraries

# Content of Technical Server OE for 11.11

## Always-Installed NW

### Drivers

Gigabit Ethernet (PCI, HSC)

FDDI (PCI)

FibreChannel [Tachite]  
(PCI)

SCSIRAD (PCI)

### Always installed

Online diagnostic

Base VxVM (v3.2)

perl

### Contents of

HPUXBaseAux

DMESCR

EMS Framework

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)

Token Ring (PCI, HP-PB, ESA)

Judy Libraries



# hp-ux 11.11 Operating Environments content overview

<p><b>11iMission Critical Operating Environment</b></p>	<p>ECM Toolkit  MC/ServiceGuard (v11.09)  ServiceGuard NFS  ClusterObjectManager  Workload Manager  Workload Manager toolkit</p>		
<p><b>11iEnterprise Operating Environment</b></p>	<p>EMSHAMonitors  MirrorDisk/UX  OnlineJFS (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><b>11iTechnical Computing Operating Environment</b></p>
<p><u>Always-Installed NW Drivers</u>  GigabitEthernet (PCI,HSC)  FDDI (PCI)  FibreChannel [Tachlite] (PCI)  SCSIRAD (PCI)  HSC NextGen PCI</p> <p><u>Always installed</u>  Online diagnostic  Base VxVM (v3.2)  perl</p> <p><u>Contents ofHPUXBaseAux</u>  DM&amp;SCR  EMS Framework  ObAM 5  Partition Manager  Software Distributor  Update-UX  Judy Libraries</p> <p><u>HP-UX 11iCore Functionality</u>  HPUXBase64 (64-bit)  HPUXBase32 (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  ServiceControlManager  <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 InstallUtilities 11.11 (UX)  Judy Libraries  Netscape Directory Server  WebQoS Peak Package Edition  IP Filter  DS9000  JavaOOB</p>	<p>3D Graphics Dev Kit and RTE  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 InstallUtilities 11.11 (UX)  Judy Libraries  Netscape Directory Server  JavaOOB</p>	<p><b>11iMinimal Technical Operating Environment</b></p>

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

<p>11iMission Critical Operating Environment</p>	<p>B 5139DA ECM Toolkit B 3935DA MC/ServiceGuard (v11.13) B 5140BA ServiceGuard NFS B 8324BA ClusterObjectManager B 8843CA Workload Manager T 1302AA Workload Manager Toolkit</p>		
<p>11iEnterprise Operating Environment</p>	<p>B 5736DA EMS HAMonitors B 2491BA MirrorDiskUX B 3929CA Online JFS (v3.3) B 3701AA OVG lancePlus Pak (English) B 3701AJ OVG lancePlus Pak (Japanese) B 3835DA Process Resource Manager</p>	<p>B 9415AA Apache Web Server B 8725AA CIFS/9000 Server B 8724AA CIFS/9000 Client B 8752AA Java 3D B 9098AA Java JPI B 8111AA Java Runtime Env (v1.2) B 6061AA MLB B 6060BA MPI J 5849AA PAM Kerberos B 7580AA Visualize Conference</p>	<p>11iTechnical Computing Operating Environment</p>
<p><u>Always-Installed NW Drivers</u> GigabitEthernet (PCI,HSC) FDDI (PCI) FibreChannel [Tachite] (PCI) SCSIRAD (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 &amp; SCR EMS Framework ObAM 5 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>B 9415AA Apache Web Server B 8725AA CIFS/9000 Server B 8724AA CIFS/9000 Client B 9098AA Java JPI B 8111AA Java Runtime Env (v1.2) JB 9789AA Java Runtime (v1.3) B 8342AA Netscape Communicator (v4.75) J 5849AA PAM Kerberos B 8339BA 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) J 4258BA Netscape Directory Server IP filter DS 9000 Java OOB J 4274AA WebOS Peak Package Edition</p>	<p>B 6268AA 3D Graphics Dev Kit and RTE B 8342AA Netscape Communicator (v4.75) TechSysConf</p>	<p>11i Minimal Technical Operating Environment</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) J 4258BA Netscape Directory Server</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)

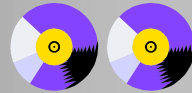
### 11i Mission Critical OE

Commercial Servers



### 11i Enterprise OE

Commercial Servers



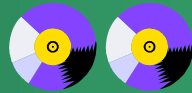
### 11i Operating Environment

Commercial Servers



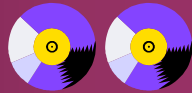
### 11i Technical Computing OE

Technical Servers and Workstations



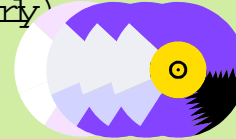
### 11i Minimal Technical OE

Technical Workstations



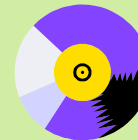
## application media

- 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)



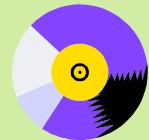
## instant info

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

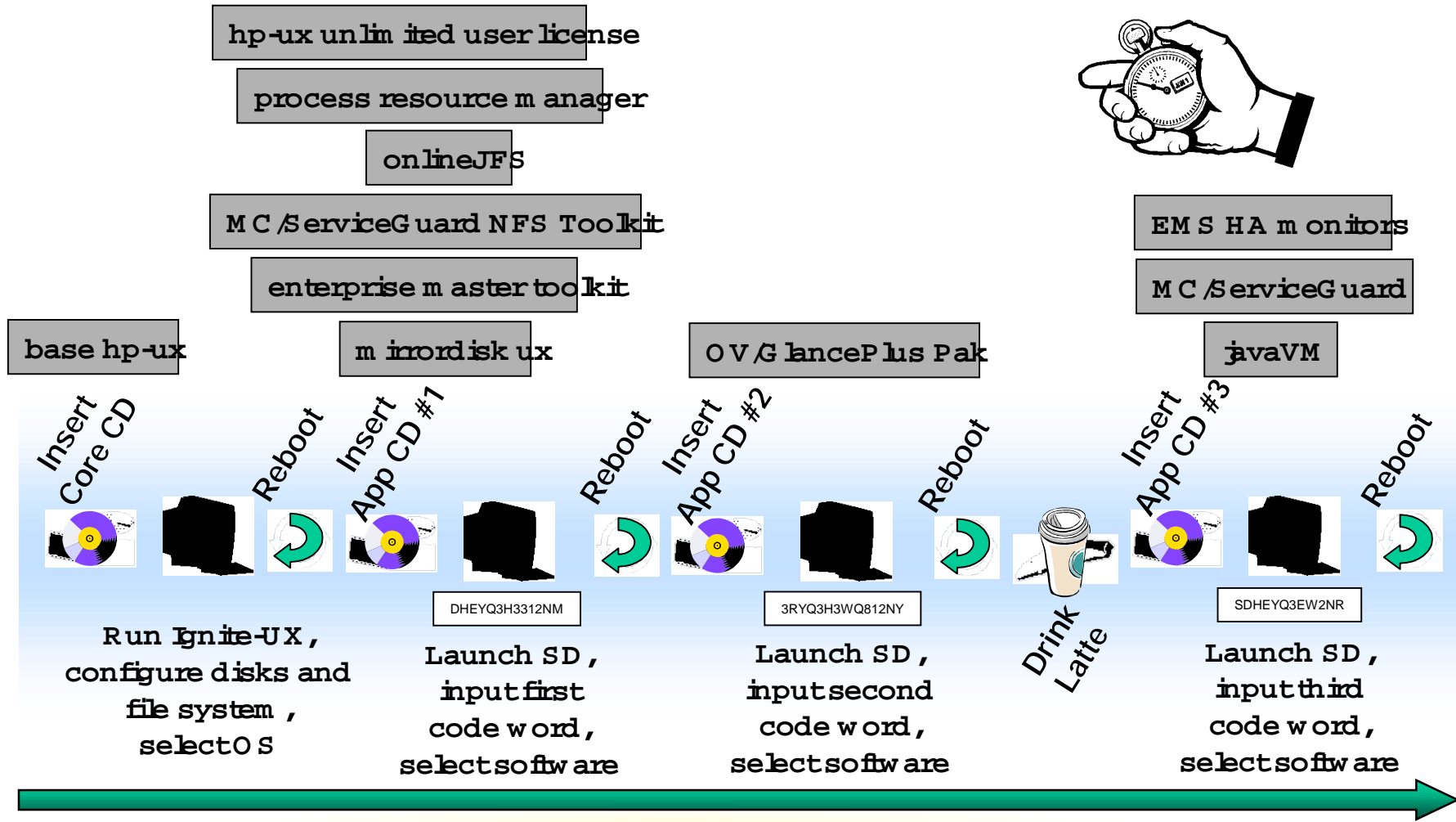


## support plus

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

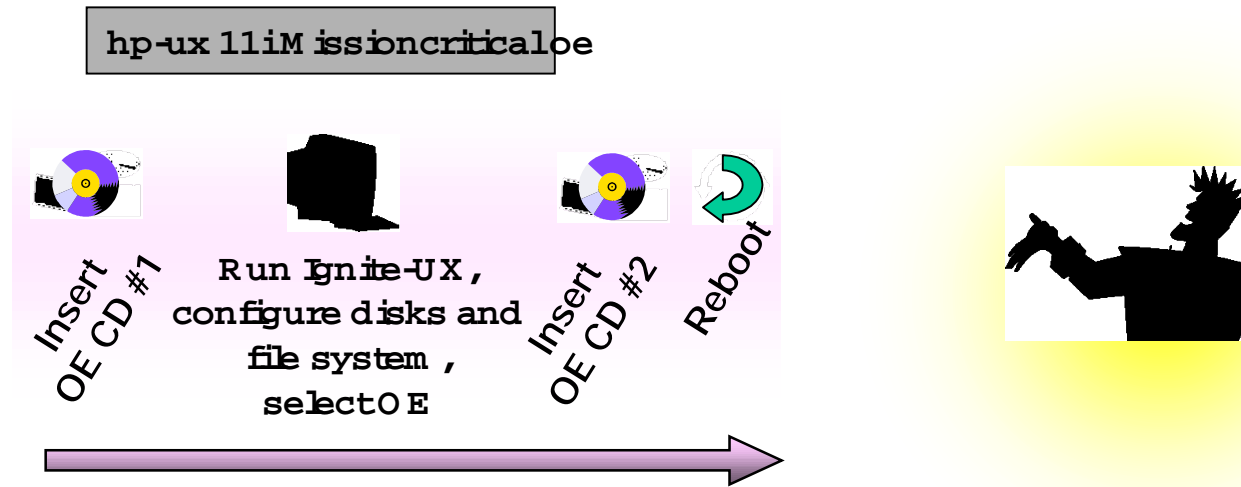


# Software deployment before Operating Environments releases (11.00 and prior)



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

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- 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)

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- 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

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

<b>J4274AA</b> (WebQoS Peak Pkg Ed)
<b>Base-VXVM</b> (Lite version of VXVM)

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

**HPUX11iOE**  
Apache Web Server  
CFS/9000 Server  
CFS/9000 Client  
Java JPI  
Java Runtime Env (v1.2)  
Java Runtime Env (v1.3)  
Netscape Comm. (v4.75)  
PAM Kerberos  
ServiceControl Manager

**HPUX11iOE-Ent**  
EMSHA Monitors  
MirrorDisk/UX  
Online JFS (v3.3)  
OVG lancePlus Pak (English)  
OVG lancePlus Pak (Japanese)  
Process Resource Manager  
Apache Web Server  
CFS/9000 Server  
CFS/9000 Client  
Java JPI  
Java Runtime Env (v1.2)  
Java Runtime Env (v1.3)  
Netscape Comm. (v4.75)  
PAM Kerberos  
ServiceControl Manager

**HPUX11iOE-MC**  
ECM Toolkit  
MC/ServiceGuard (v11.13)  
ServiceGuard NFS  
Cluster Object Manager  
Workload Manager  
Workload Manager Toolkit  
EMSHA Monitors  
MirrorDisk/UX  
Online JFS (v3.3)  
OVG lancePlus Pak (English)  
OVG lancePlus Pak (Japanese)  
Process Resource Manager  
Apache Web Server  
CFS/9000 Server  
CFS/9000 Client  
Java JPI  
Java Runtime Env (v1.2)  
Java Runtime Env (v1.3)  
Netscape Comm. (v4.75)  
PAM Kerberos  
ServiceControl Manager

**HPUX11iTCOE**  
3D Graphics DevKit/RTB  
Netscape Comm. (v4.75)  
Apache Web Server  
CFS/9000 Server  
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

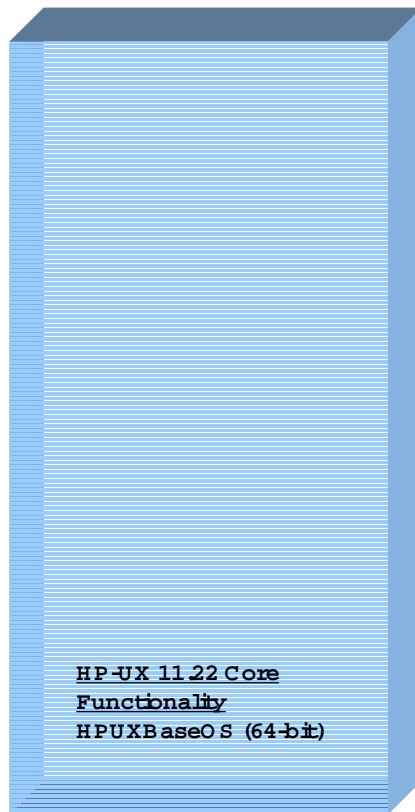
HPUXBase64 HPUXBase32

\*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



# Content of Commercial Server OE for 11.22

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

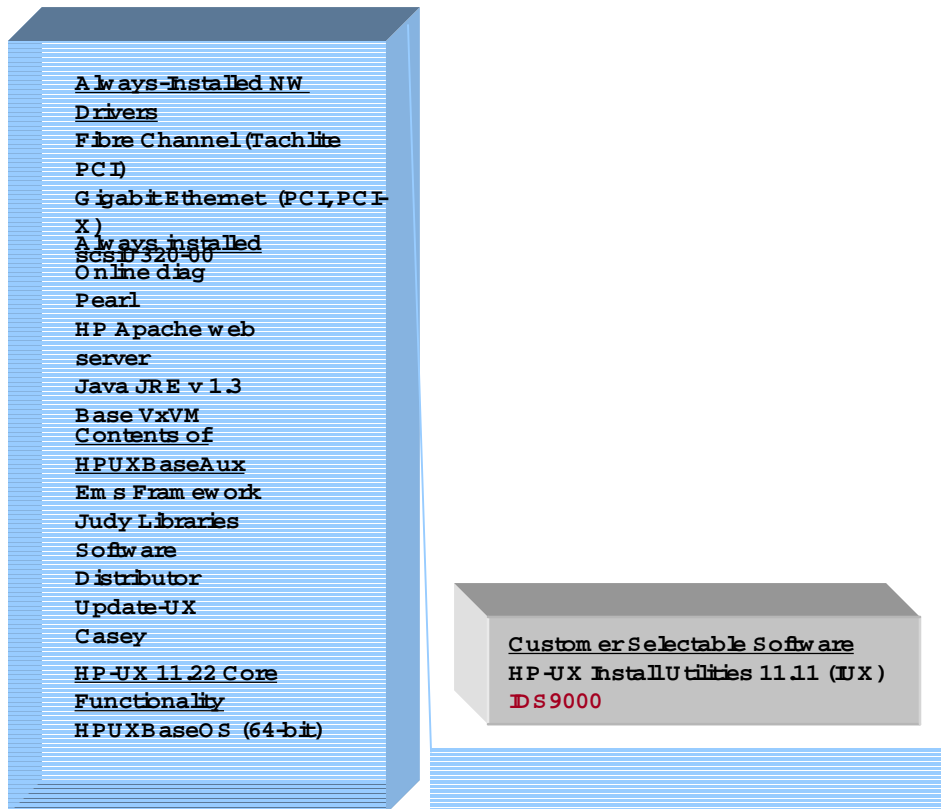
Functionality

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



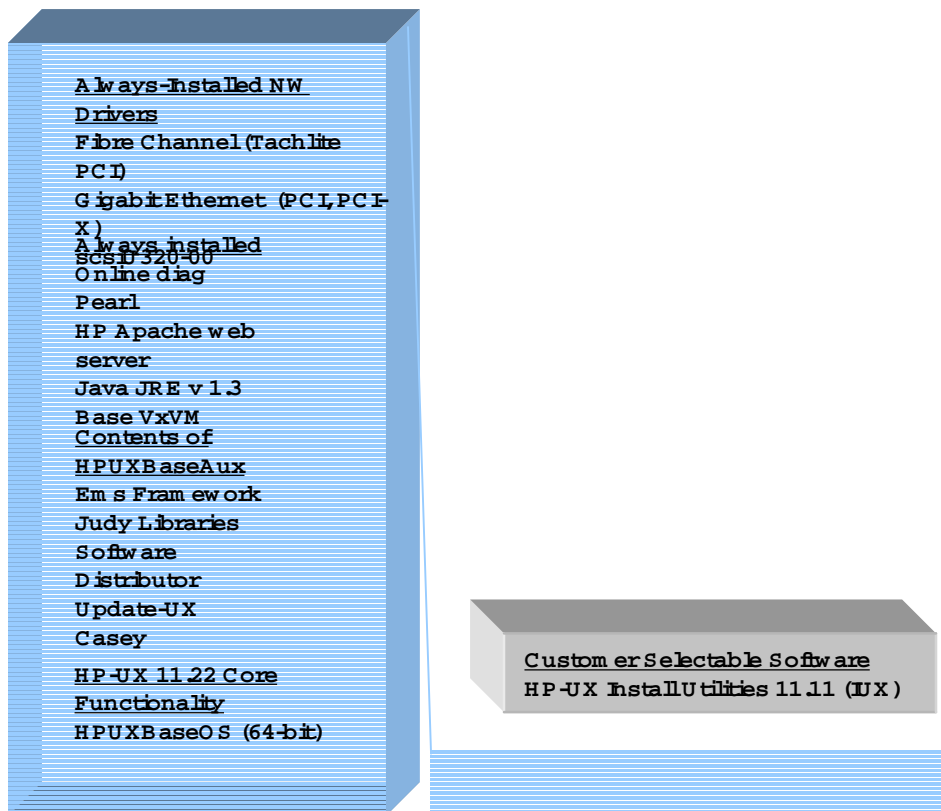
# Content of Commercial Server OE for 11.22

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

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

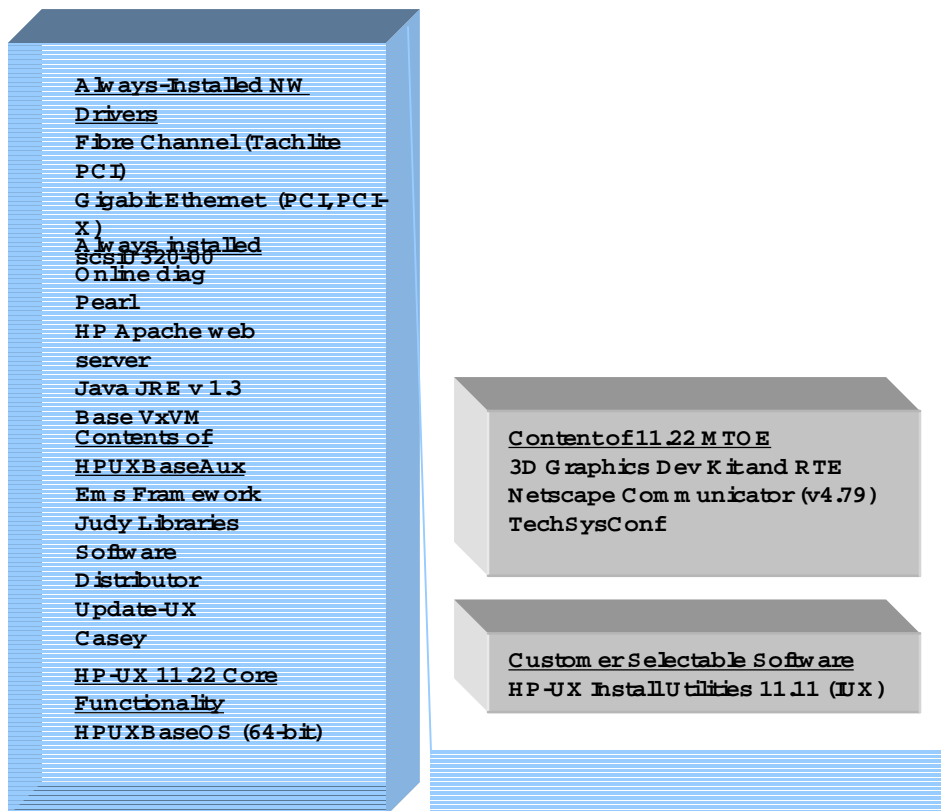
Customer Selectable Software  
HP-UX Install Utilities 11.11 (UX)  
DS9000

# Content of Technical Server OE for 11.22

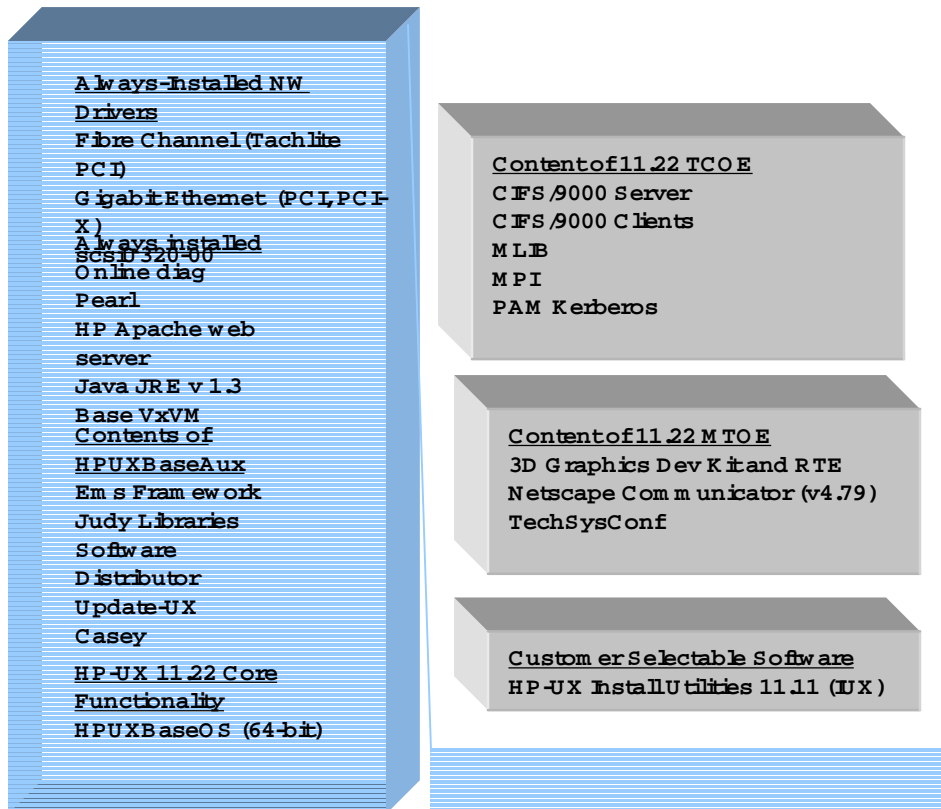




# Content of Technical Server OE for 11.22



# 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)  <del>ACLS2000</del>          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>Custom 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>Custom 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

FibrChanl-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

HyprFabr-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 PCIBus

11iBundle Name

RAID-00

Associated 11.00 HW Product

A 5856A

## MUX for PCIBus

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 PCIBus

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

ServControlMgrM X-AGENT r=A.01.01.01 a=HP-UX\_B.11.00\_32/64 v=HP

ServControlMgrM X-CMS r=A.01.01.01 a=HP-UX\_B.11.00\_32/64 v=HP

ServControlMgrM X-ENG-MAN r=A.01.01.01 a=HP-UX\_B.11.00\_32/64 v=HP

ServControlMgrM X-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, HP-UX Base 64, HP-UX Base 32, HP-UX 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 Base Aux  
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 Base64 (64-bit)  
HPUX Base32 (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.