



11i Software Maintenance

Strategies for Maintenance
Releases and Patch
Bundles

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Agenda

3/26/01



- Operating Environments
- Maintenance Releases
- Patch Bundles
- Putting it All Together

11 operating environments

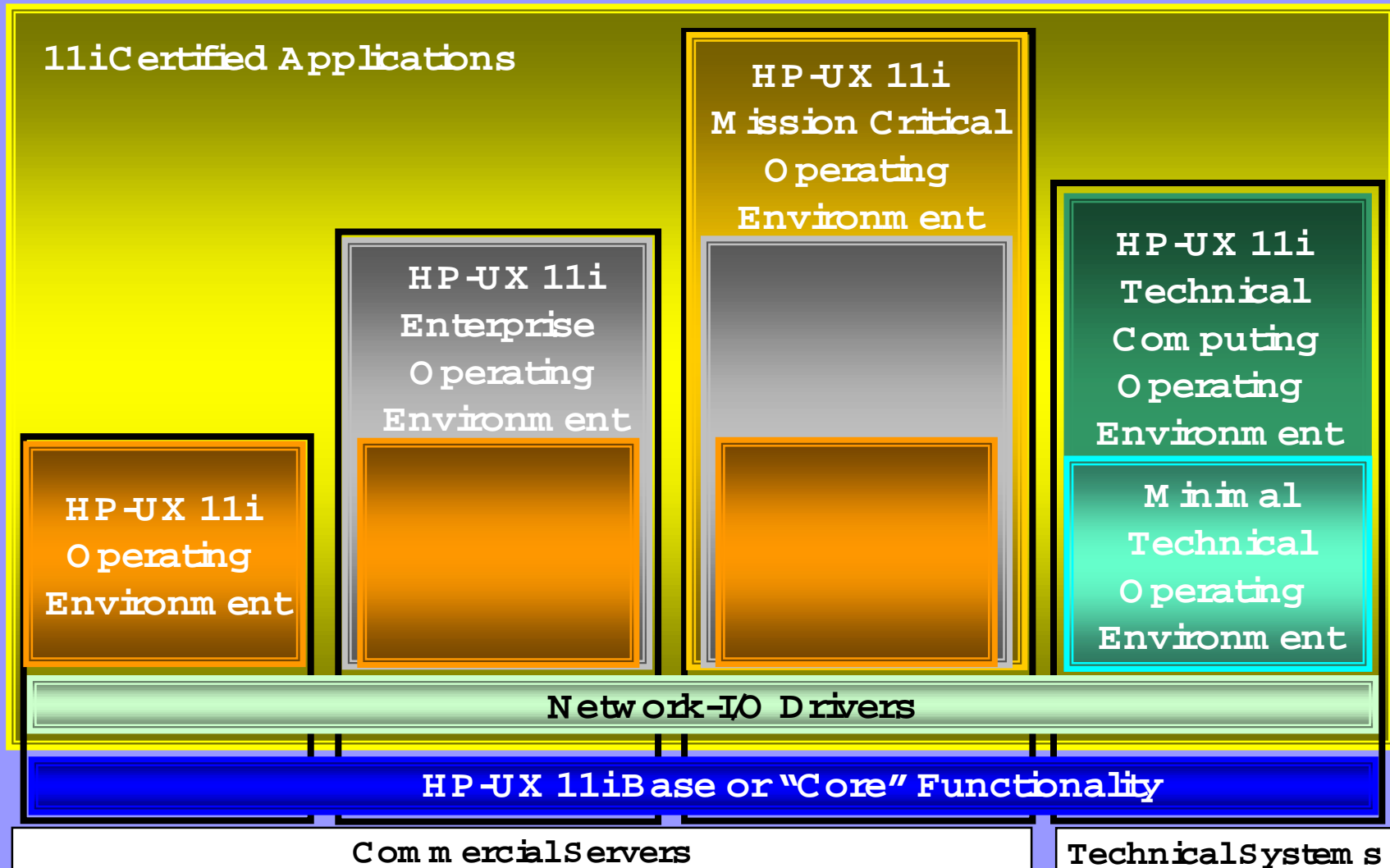
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Benefits

- Greatly simplified software deployment
- Simple to purchase license
- Attractive pricing
- Published testing results
- Simple to purchase software support

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The 11i Operating Environment Solution



11i Operating Environments Content

commercial servers

11i Mission Critical
Operating Environment

ECM Toolkit
MC/ServiceGuard
ServiceGuard NFS
Workload Manager

11i Enterprise
Operating Environment

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

11i Operating Environment

Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
Java JPI
Java Runtime Env
Netscape Communicator
PAM Kerberos
ServiceControl Manager

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

Contents of HP-UX BaseAux
DM&SCR
EMS Framework
ObAM 5
Partition Manager
Software Distributor

HP-UX 11i Core Functionality
HP-UX Base64 (64-bit)
HP-UX Base32 (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 Install Utilities 11.11 (UX)
**Online Diagnostics*
Netscape Directory Server
WebQoS Peak Package Edition

technical servers and workstations

3D Graphics
Apache Web Server
CIFS/9000 Server
CIFS/9000 Client
FirstSpace VRML Viewer
Java 3D
Java JPI
Java Runtime Env
MLB
MPI
Netscape Communicator
PAM Kerberos
Visualize Conference

11i Technical
Computing
Operating
Environment

11i Minimal
Technical
Operating
Environment

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*
Netscape Directory Server

**Online Diagnostics are always-installed.*

Customer Selectable Software and Always-Installed NW Drivers SD Bundle Tags will appear in swlist; SD Bundle Tags for other OE-bundled applications do not appear in swlist.



11 maintenance releases

3/26/01

Objectives

- Preserve the quality and stability of the HP-UX O E 's.
- Media and software to maintain O E 's easily identifiable.
- Continue the 11 objective to "significantly reduce the time and effort [cost] customers expend to depby and maintain HP-UX Solutions".
- Consistent customer experience throughout the O E lifecycle.
- Maintain ease-of-use and flaw less depby ment experience throughout the O E lifecycle.
- Provide O E defect fixes and new O E - Application functionality.

11iM Maintenance Release Model

for Support Contracts

Enterprise OE Release
ER (December 2000)

"Minor" OE Release
ER+3 (March 2001)

"Minor" OE Release
ER+6 (June 2001)

"Major" OE Release
ER+9 (September 2001)

OE_y

MC OE 

Ent OE 

11i OE 

TC OE 

Support Plus *d*

Application Release
Media *a*

Instant Info *c*

Support Plus
d+1

Application Release
Media *a+1*

Instant Info *c+1*

Support Plus
d+2

Application Release
Media *a+2*

Instant Info *c+2*

OE_{y+1}

MC OE 

Ent OE 

11i OE 

TC OE 

Support Plus
d+3

Application Release
Media *a+3*

Instant Info *c+3*

11iM Maintenance Release Model

for New System Shipments

Enterprise OE Release
ER (December 2000)



"Minor" OE Release
ER+3 (March 2001)



"Minor" OE Release
ER+6 (June 2001)



"Major" OE Release
ER+9 (September 2001)

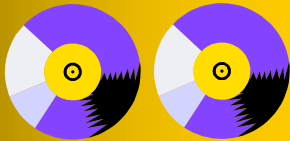


11iM edia Solution

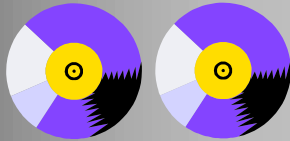
Operating Environment Media

- Stream specific (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)

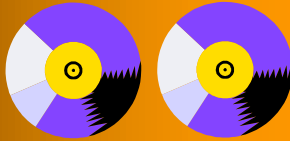
**11i Mission
Critical OE**
Commercial
Servers



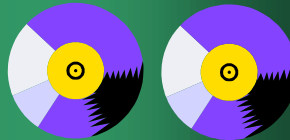
11i Enterprise
Commercial
Servers



11i
Commercial
Servers

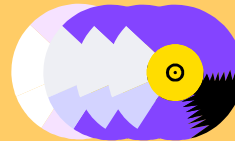


**11i Technical
Computing**
Technical Servers
and Workstations



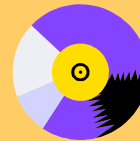
Application Media

- Stream specific (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 or DART depending on timing



Instant Info

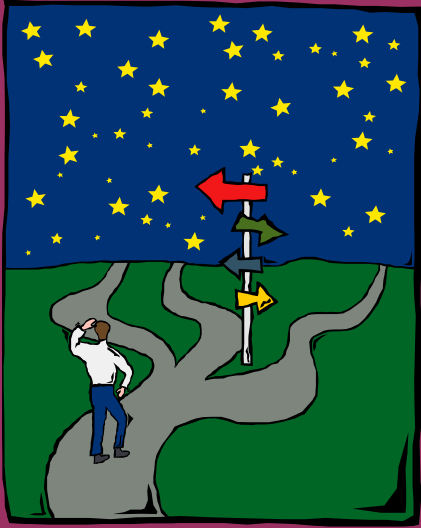
- Stream specific (11.11)
- Both Servers and Workstations



Support Plus

- Stream specific (11.11)
- Both Servers and Workstations
- Patch bundles:
 - HW Enablement
 - Gold Base (core + network drivers)
 - Gold Application
 - Bundle 11i
- Diagnostics
- On Line
- HW Monitors

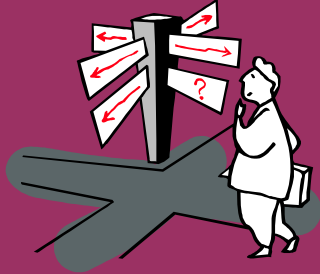




11 ipatch bundles

3/26/01

- Bundle11i
- HW E (Hardware Enablement)
- Gold Quality Packs

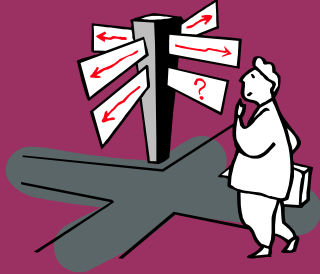


What is a Bundle11?

3/26/01

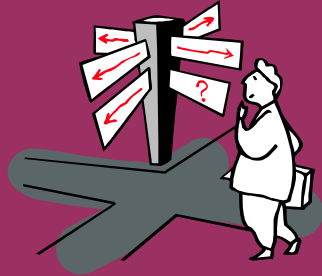
- Created to deliver shipstopper class defect fixes. This bundle will change only when required.
- Must be applied on every system.
- Will automatically install from OE CD 1.
- Will be ignited on new system shipments.

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What is an HWE
(Hardware
Enablement)
bundle?

- Created to deliver patches and diagnostics that enable new hardware. New hardware can be systems or peripherals.
- This bundle will change quarterly.
- Should be applied on every system.
- Can be installed from OEC D 1 or Support Plus.
- Will be ignited on new system shipments.



What is Gold Quality Pack Bundle?

3/26/01

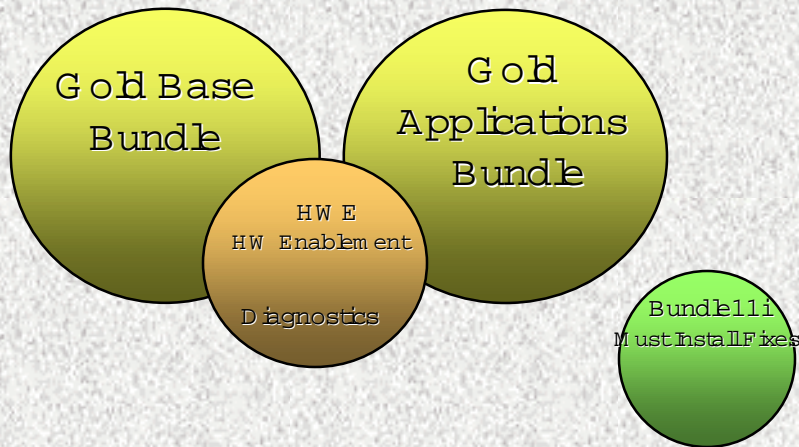
- Created to deliver defect fixes in the form of patches. This is a recommended patch bundle with content selected by ISV developers, internal HP application product developers, and support engineers.
- Recommended - apply on every system for proactive patching.
- Will be ignited on new system shipments.

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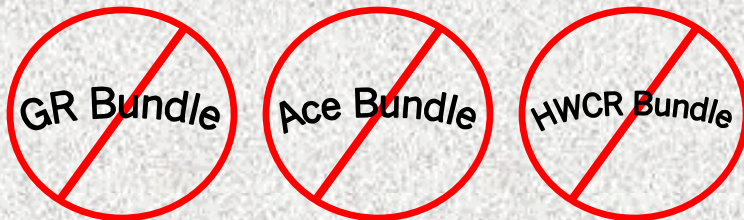
11i Patch Bundles

What's Changed

What's New



What's Obsolete



Gold Quality Pack Bundles

- Stable recommended bundle
- Content reviewed by ISV and HP Application developers, and HP Support
- Customer focused application testing

•HWE Bundle

- Enables systems and peripherals
- Content from new HW System & Peripheral enablement programs
- Install Kernel changes supported

•Bundle11i

- Shipstopper class fixes
- All systems MUST install
- Reactive content

11i Patch Bundles

What's Available



OEM Media Content



Support Plus
Media Content

Always Install

Bundle 11i
Must Install Fixes

Refreshed
as needed

Recommended - Proactive Defect Fixes

Gold Quality Pack
for Base Products

Gold Quality Pack
for Application Products

Content change
every 6 months.
Refreshed every 3
months.

HW E
HW Enablement
Diagnostics

Delivered on both media

Refreshed
every 3 months

HW E
HW Enablement
Diagnostics

Install with New HW

Install with New HW

and if you are still
not convinced to
use these –
Gold Quality Pack
Patch Bundles

3/26/01

- Technical ISV recommendations have been part of the Quality Pack since 10.20.
- These commercial server ISV's are making an initial set of recommendations for patch content:
 - SAP
 - Oracle
 - Informix
 - BroadVision
 - Rational
 - SAS
 - Hyperion

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and if you are still
not convinced to
use these –
Gold Quality Pack
Patch Bundles

3/26/01

- Also our internal HP application patches are now being included. Patches for these products are in the first bundle.
 - MirrorDisk
 - JFS
 - PRM
 - EMS
 - OV GlancePlus Pak
 - Service Guard
 - Workload Manger

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working with the - Gold Quality Pack Patch Bundles

3/26/01

Bundle Structure

DepotDirectory (/cdrom /GOLDQPK11i)

Media Bundle Wrapper 'GOLDQPK11i'	
32 Bit bundle wrappers	64 Bit Bundle Wrappers
GoldApps11i	GoldApps11i
GoldBase11i	GoldBase11i

The only bundle wrapper that is "sticky"
(is_reference=true) is the Gold Quality
Pack wrapper

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working with the - Gold Quality Pack Patch Bundles

3/26/01

How to use the depot

You can patch_match_target the entire depot..

- Resulting in applying patches to Applications and Base 11i
- Bundle wrapper in sw list will be 'GOLDQPK11'

You can exclusively select a bundle and 'mark for install'

- Resulting in only applying patches appropriate for your system from the selected bundle.
- Bundle wrapper in sw list will be GOLDQPK11 and GoldApps11 or Gold Bas11i

You can sw copy one bundle to a system and then patch_match_target

- Resulting in only applying patches appropriate for your system from the selected bundle.
- Bundle wrapper in sw list will be GOLDQPK11 and GoldApps11 or Gold Bas11i

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How will new core features be delivered in 11i?

3/26/01

- Combination of New Core Functionality filesets and Enabling Patches .
- Will be delivered both through the web and on separate media .
- New Core Functionality filesets are delivered in an application product format .
- The New Core Functionality filesets are optional. Install only if you want the new functionality .
- The Enabling Patches that contain only small low risk hooks for the New Core Functionality .
- Without New Core Functionality, the Enabling Patches work just like normal defect fix patches .

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Putting it all Together

3/26/01



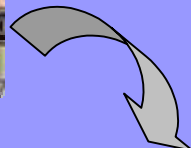
Updating Systems
Proactive Patching





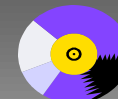

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Putting it all Together

Updating Systems

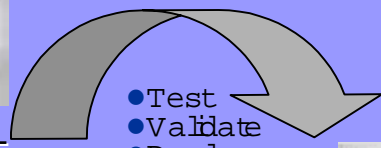


SetUp Depot

 OE CD 1 <ul style="list-style-type: none">•HPUXBase 32/64•HPUXBaseAux•NW Drivers•Bundle11i•HWE Bundle•UX -Optional	 OE CD 2 <ul style="list-style-type: none">•CDE Bundle•OE Application Bundle•Diagnostics•Optional Applications	 Support Plus <ul style="list-style-type: none">•Gold Base Bundle•Gold Application Bundle	 ITRC <ul style="list-style-type: none">•Select patches for products not in OE's
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Depot



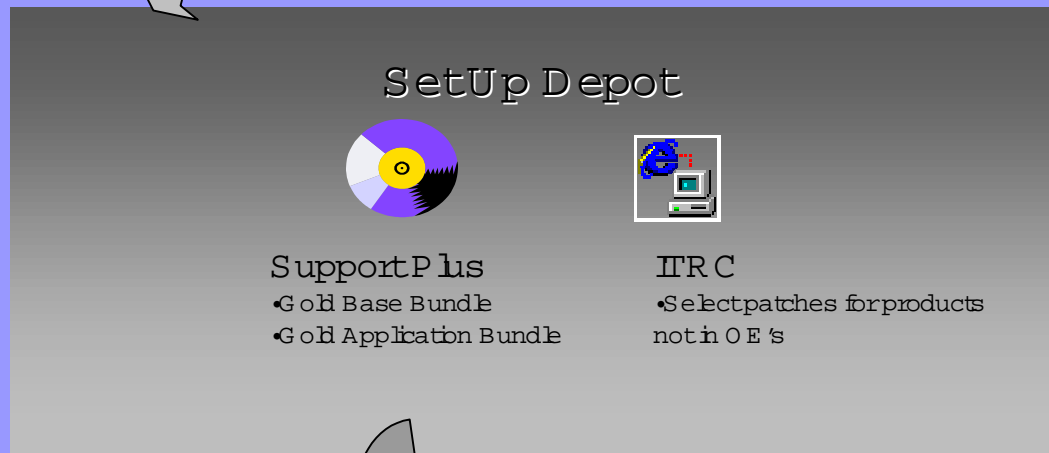
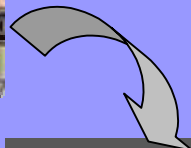
- Test
- Validate
- Deploy



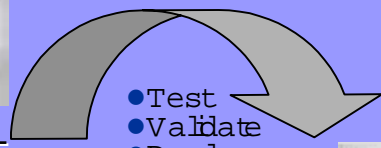
Production
Environment

Putting it all Together

Proactive Patching



Depot



- Test
- Validate
- Deploy



Production Environment