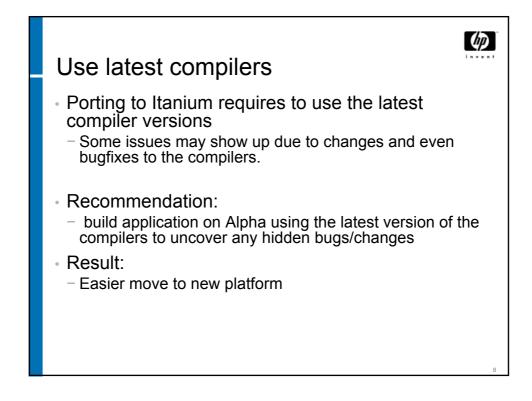
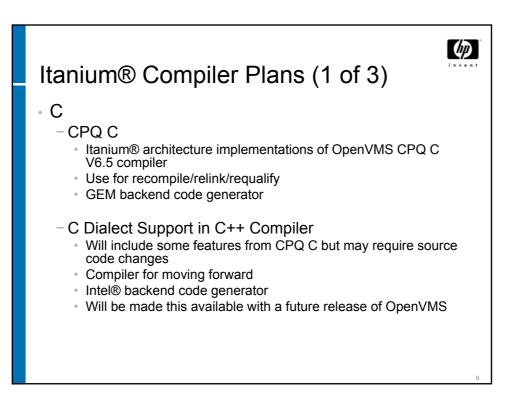
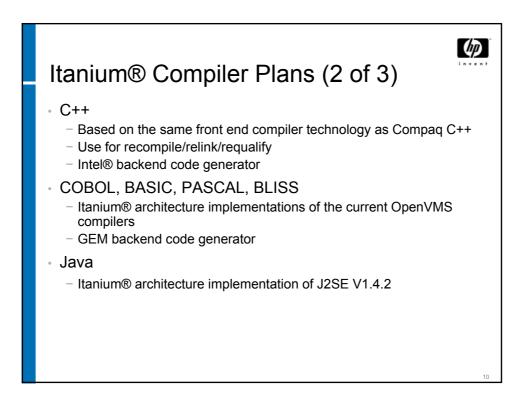


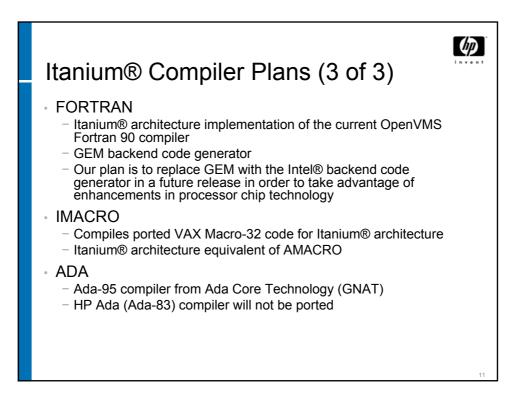


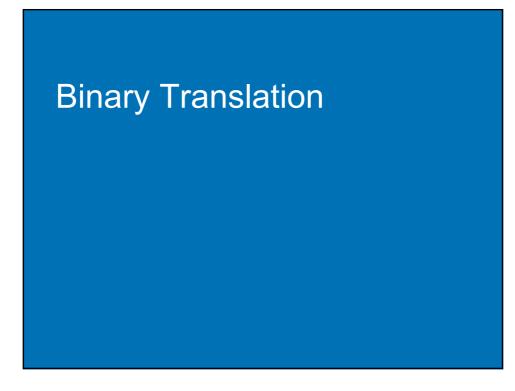
Compiler Version Mapping Alpha vs. Itanium(r)				
Compiler	Alpha	Itanium		
Basic	V1.5	V1.6		
Bliss	V1.10-030	V1.1 (-04x)		
Cobol	V8.2-1286	V8.2 (-13xx)		
Fortran 77		na (Alpha only)		
Fortran 90	V7.5	V8.0		
С	V6.5	V7.1		
C++	V6.5	V7.1		
Java	1.4.2	1.4.2 (-2)		
Macro-32	V4.1-18	V1.0		
Macro-64	V1.2	na (Alpha only)		
Pascal	V5.8A	V5.9		











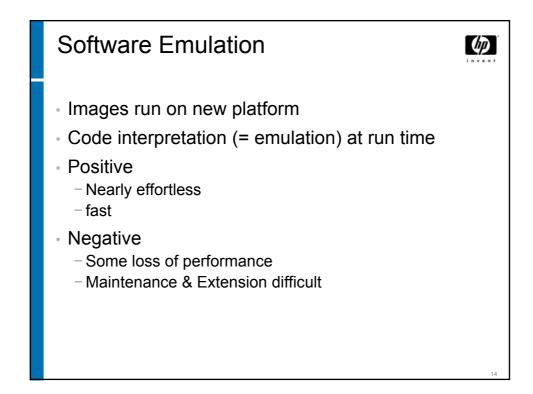
Options for Applications without Source Code or Development Expertise
Software Emulation

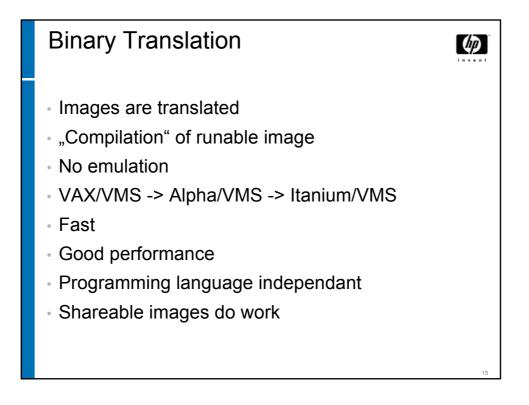
Emulator (Charon-VAX)

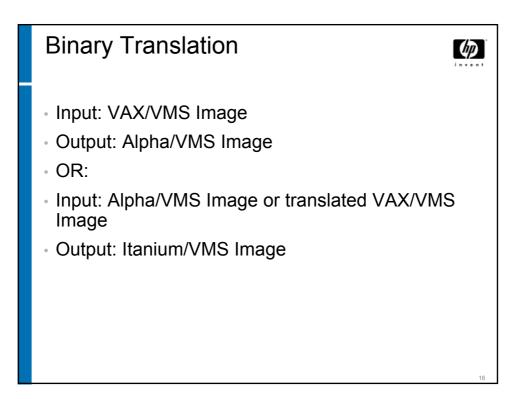
Binary Translation

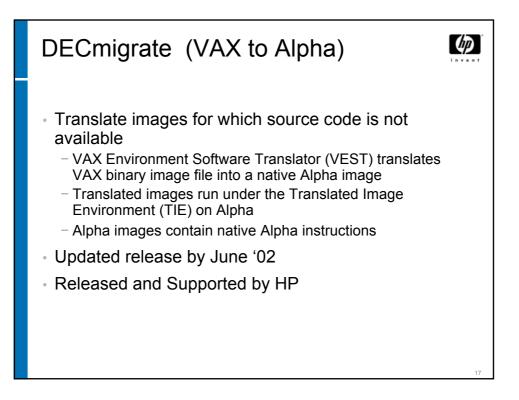
VEST Translator and TIE
AEST Translator and TIE

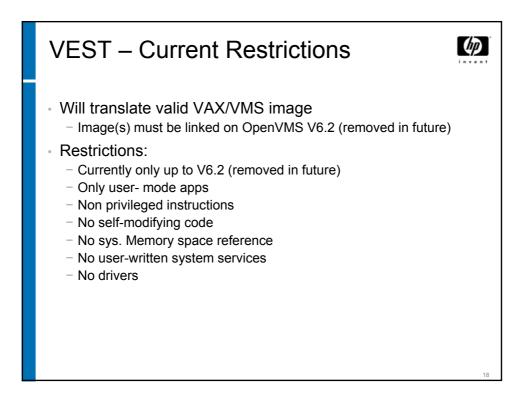
Rewrite Applications / Purchase Replacement Applications (not covered here)

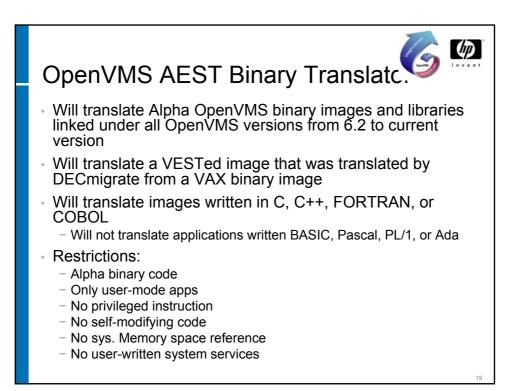


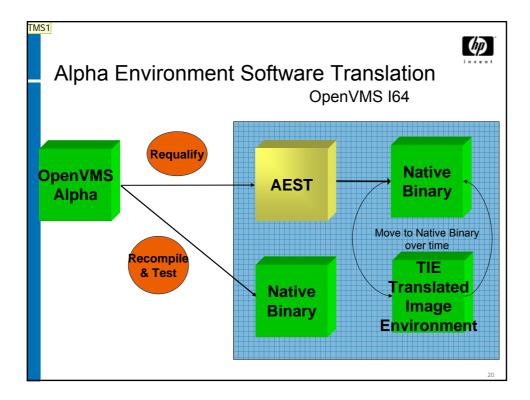






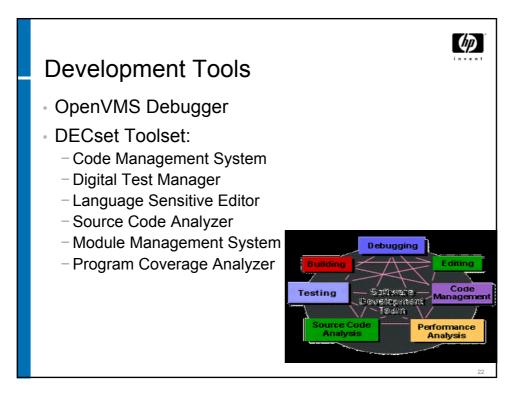


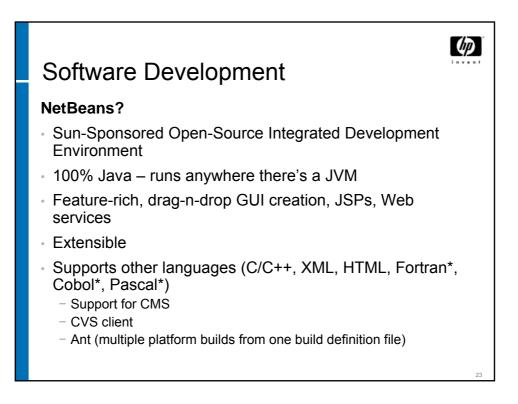


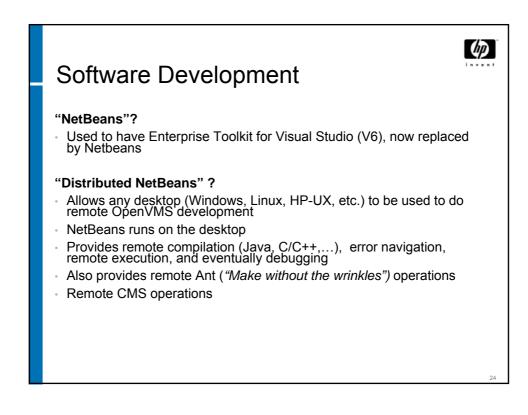


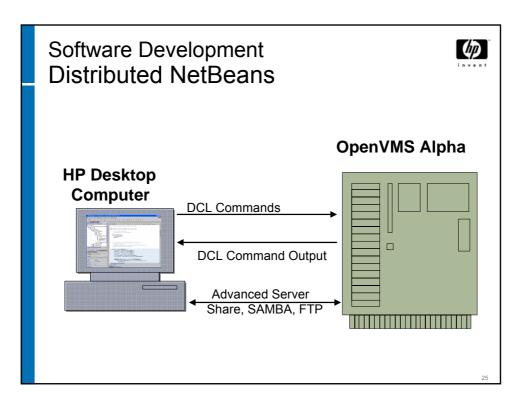
This needs to be verified. With each run of an image the image becomes 'more and more' translated, e.g. native code generated. Thomas Siebold; 2.2.2005 TMS1

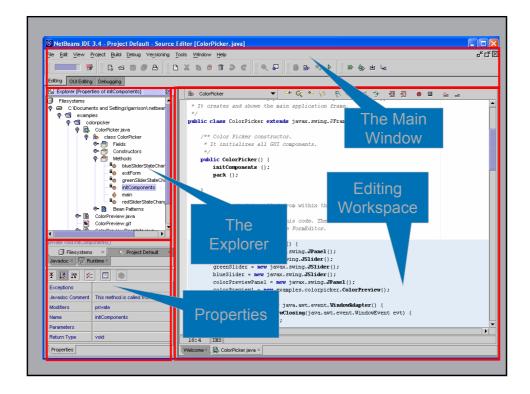




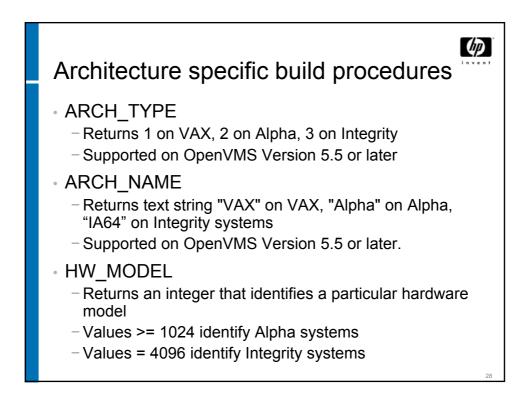


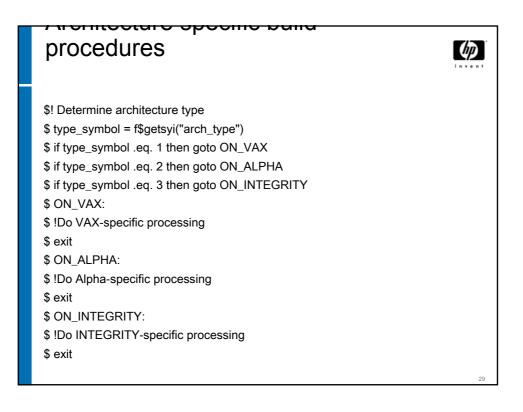


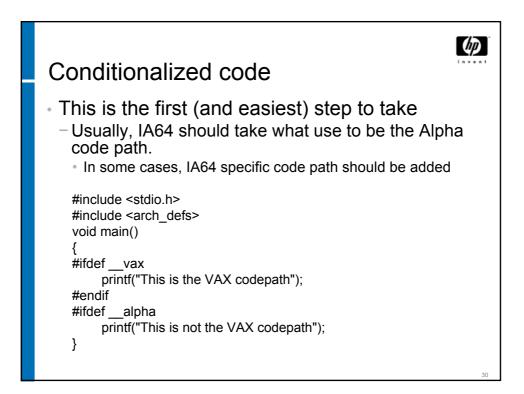


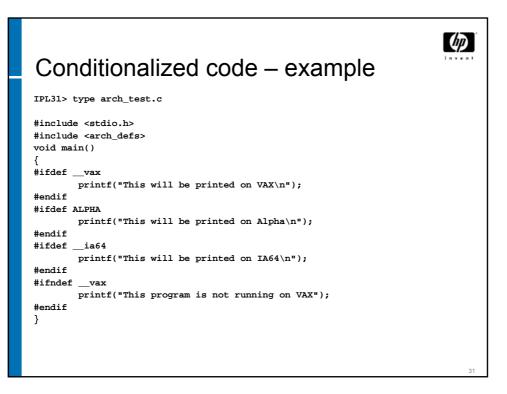


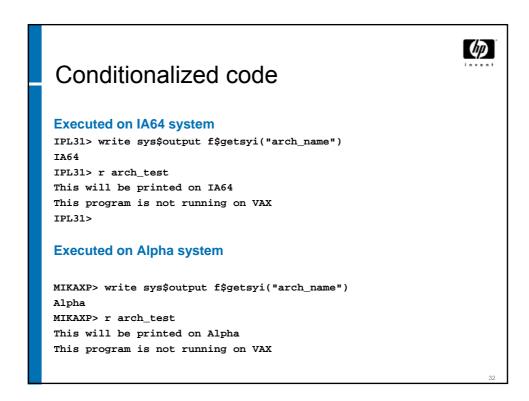
Application Considerations

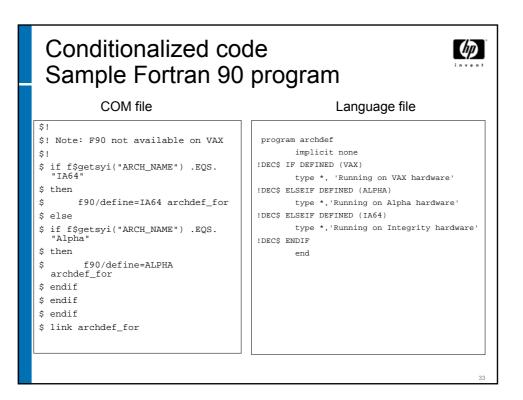


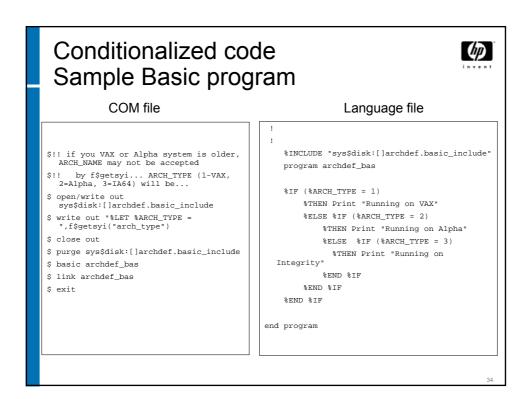


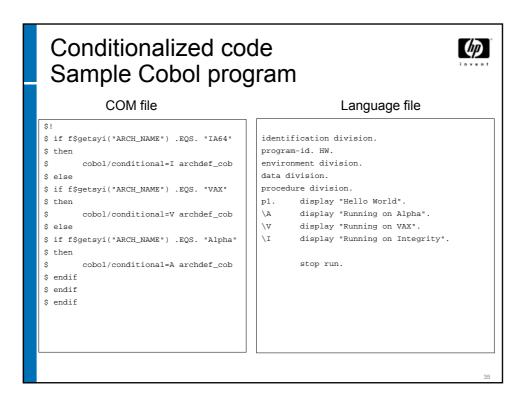


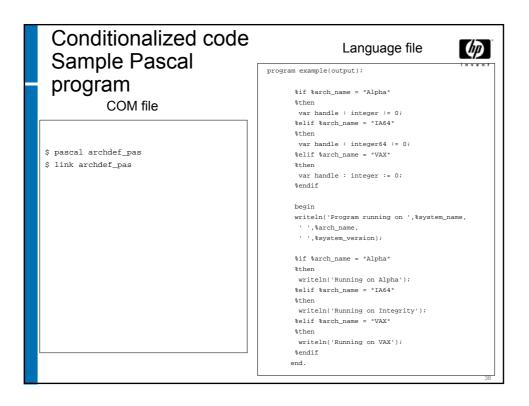


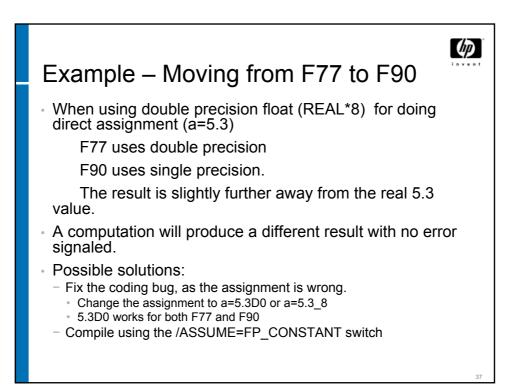


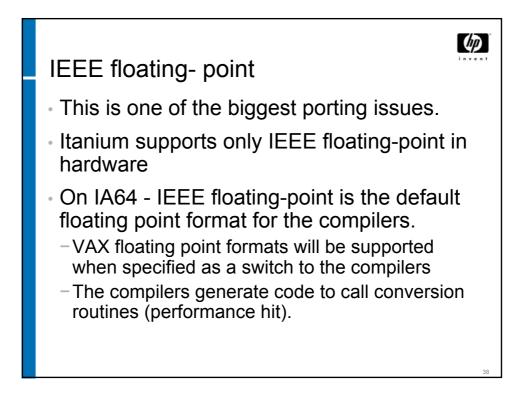




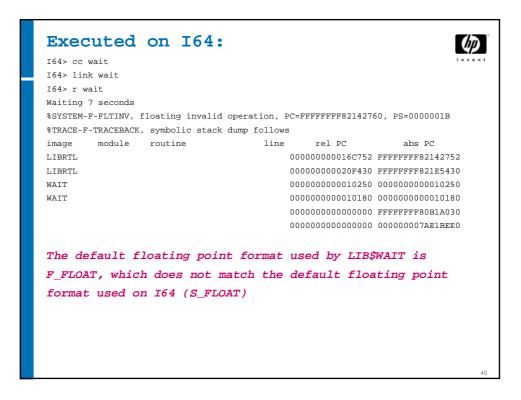


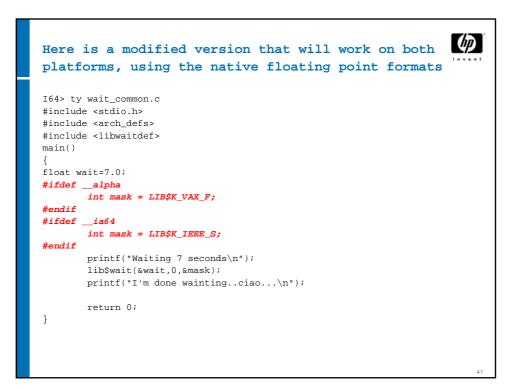


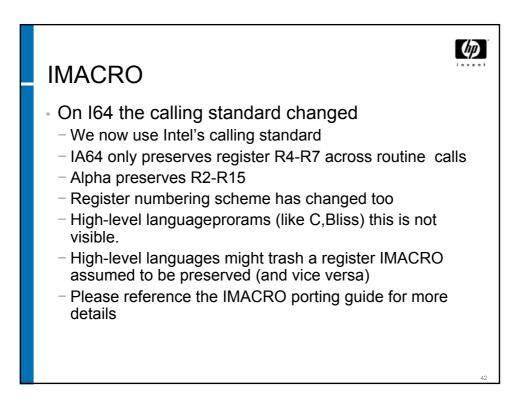


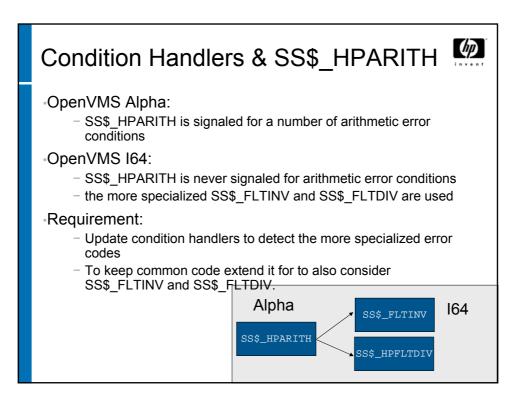


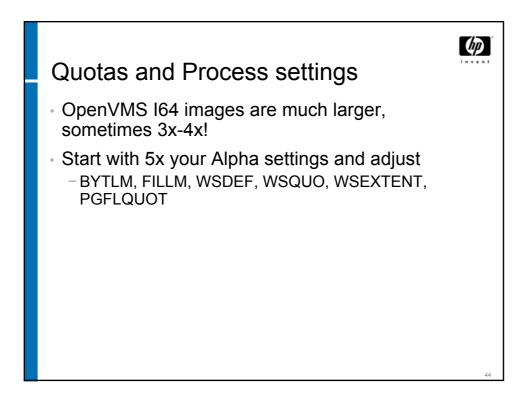
```
AXP> ty wait.c
                                                            hp
#include <stdio.h>
main()
{
float wait=7.0;
       printf("Waiting 7 seconds\n");
       lib$wait(&wait,0,0);
       printf("I'm done wainting..ciao...\n");
       return 0;
}
Executed on Alpha:
AXP> cc wait
AXP> link wait
AXP> r wait
Waiting 7 seconds
I'm done wainting..ciao...
```









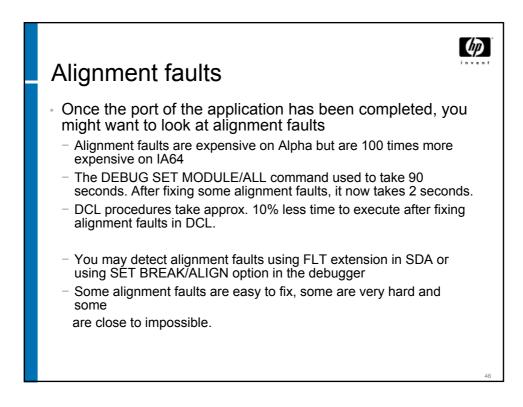


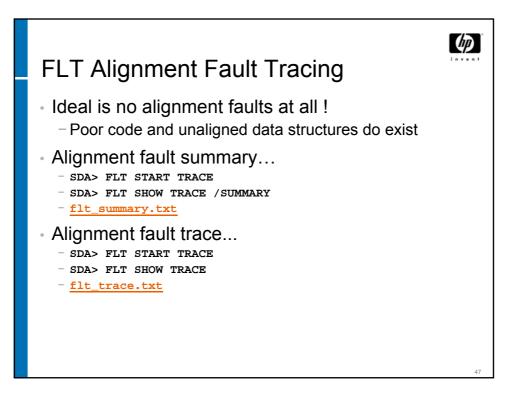
If this is not enough..... there is more.....

 We adopted Intel's calling standard. Code with knowledge about the calling standards will have to change

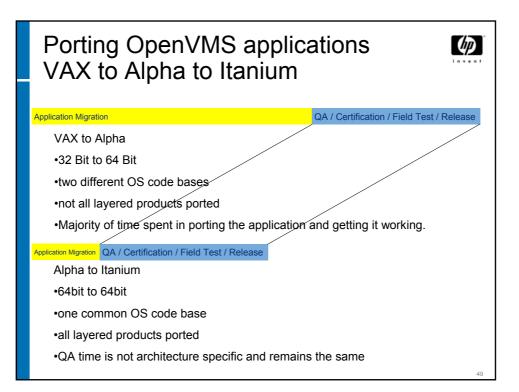
(hp)

- Stack/frame walking the code will need to be modified to use the new LIB\$*_INVO_* routines
- Home grown stack switching/threading the code will need to be ported to use Kernel Processes
- We adopted the ELF/DWARF formats. Code with knowledge about image format and debug format will have to change
 - Calling LIB\$FIND_IMAGE_SYMBOL and friends does not count. The LIB\$ routines were modified to support the new formats





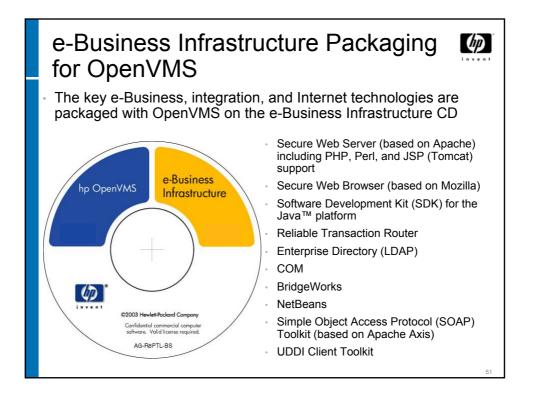
Cost of alignment faults						
Aligned	Unaligned, compiler knows	Unaligned, compiler doesn't know				
1	1	1				
1	4	10				
1	10	100				
	Aligned 1	AlignedUnaligned, compiler knows1114				



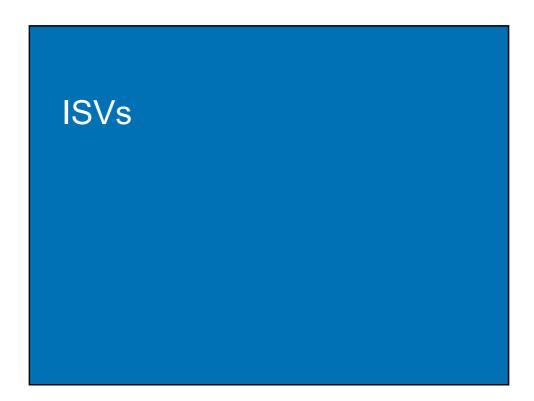


Folie 50

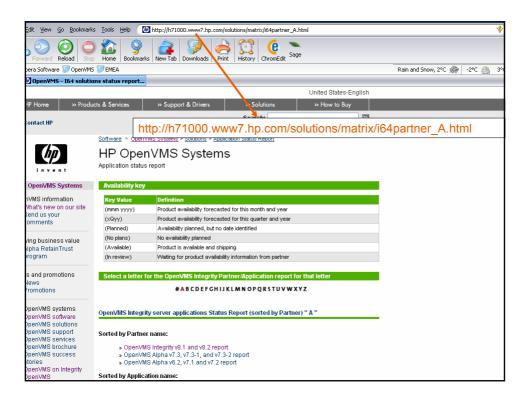
TMS2 How much do I need to talk about here? These seem to many slides, following from here!? Thomas Siebold; 3.2.2005

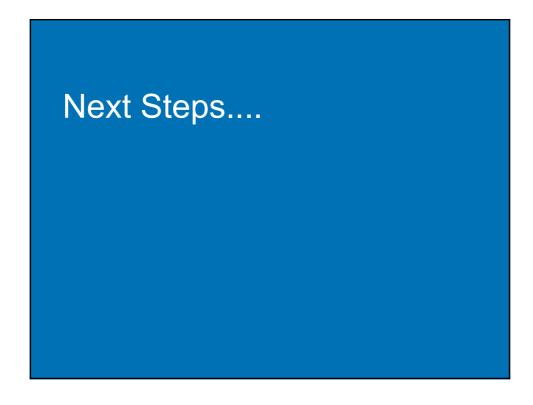


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 Promotions HP OpenVMS systems OpenVMS software OpenVMS solutions OpenVMS support OpenVMS support OpenVMS brochure OpenVMS brochure OpenVMS success 	Application development > NetBeans > XML technology	Java ¹⁹ platform » Java for Alpha systems (SDK, RTE, Fast VM) » Optimizing Java TM Technology Software Performance on HP OpenVMS—tips and tricks for users » BEA Web Shelf	Application servers • BEA WebLogic Server • Download BEA WebLogic Server • Xoology Concerto		
OpenVMS success Stories OpenVMS on Integrity OpenVMS documentation OpenVMS events OpenVMS ITRC forums	Security > OpenVMS Security homepage > SSL > Common Data Security Architecture (CDSA) > Kerberos	Middleware > ACMS > BEA MessageQ > COM for OpenVMS > HP Enterprise Directory for eBusiness DECdtm	Other > GTK+ for OpenVMS > IPv6 > Majordomo Internet Mail Handler > OpenVMS Freeware CD > Open Source Tools on		
How to buy > Configuration assistance	 » Stunnel » Gnu Privacy Guard (GnuPG) » Process Software SSH for OpenVMS 	» IBM MQSeries » 2AB orb2 (CORBA) » Reliable Transaction Router (RTE)	OpenVMS > OpenVMS Porting Library ("the Jackets") > Perl		









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