Win64 (Microsoft)

- Port to NT5 (Same APIs as Win64)
- Use clean code check list on Intel web site to IA-64 clean code your applications
- **Visit the MS developer site for detailed information on preparing your app for Win64 and to down load tools as they become available**

For more detail see:

- ***Designing 64-bit-Compatible Interfaces http://msdn.microsoft.com/developer/news/feature/win64/port64.htm***
- ***Getting Ready for 64-bit Windows http://msdn.microsoft.com/developer/news/feature/win64/64bitwin.htm***

Monterey (IBM/SCO)

- Port to UnixWare 7 (use UNIX 98 APIs)
- Use 64-bit version of Lint available from SCO, for code clean-up
- Use clean code check list on Intel web site to IA-64 clean code your application
- Use PreSi SDK and SoftSDV for preliminary testing (available Summer 99).

Visit SCO and IBM sites for more updates on Linux for IA-64 development tools:

- ***64-bit UnixWare Porting Guide***
  http://www.sco.com/developer/64bit.htm
  http://www.ibm.com/servers/monterey/

Linux

- Port to IA-32 Linux
- Perform 64 bit code cleanup using the 64-bit Lint code clean-up tool that is available now

Join the VA Research's news group for up-dates on Linux for IA-64 development tools:

- ***http://www.linuxia64.com***

HP-UX

- Port to HP-UX ver 11.0: Use UNIX 98 APIs
- Use clean code check list on Intel web site to IA-64 clean code your application
- Use PreSi SDK and SoftSDV for preliminary testing (available 2H’99).
- Download the Software Transition Kit (STK) on HP’s web site, which provides useful documents and tools to help you identify and resolve any IA-64 transition impacts in your C, C++, Fortran, or COBOL software and scripts (http:www.software.hp.com/STK)

Solaris (Sun)

- Port to Solaris 7 Intel Edition: Use UNIX 98 APIs
- Use clean code check list on Intel web site to IA-64 clean code your application
- Use Lint in 32 bit & 64 bit environment clean code your application

Visit Sun's developer site for technical documents and tools:

- ***www.sun.com/developer/solaris64***

Modesto (Novell)

- Transition to new APIs on NetWare 5
- Use clean code check list on Intel web site to IA-64 clean code your application

Tru64 Unix (Compaq)

- Port to Tru64 Unix (use UNIX 98 APIs)
- Use clean code check list on Intel web site to IA-64 clean code your application
- Visit the Tru64 site for more up-dates (http://www.unix.digital.com/)

Key Milestone Checklist

Clean App For IA-64 Architecture - Porting Checklist (Syntax, Compiler issues)	Status
Invalid casts between pointers and ints (and/or longs)	
Invalid printf specifiers	
Usage of existing APIs with pointer(and/or long) as parameters, return values	
Usage of undocumented/reserved bit fields	
Remove hardcoded values for size of data types	
Remove hardcoded values for Bit shift values	
Remove hardcoded constants in Memory allocation functions	
Fix unguarded "ifdefs" from defaulting to unwanted code generation	
Fix accessing data structure members via constant offsets	
Algorithms that make use of special bits in pointer arithmatic assuming fixed size	
In-line assembly code	
Self modifying code	
Approriately modify portions of code storing/restoring on-disk structures	
Portions of code utilizing data-packing	