The Paradyn Port Report

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Supported Systems
(your mileage may vary)

Paradyn/DynInst available on these platforms:

- Solaris 2.5 and 2.6 (SPARC)
- Solaris 2.5 and 2.6 (x86)
- Windows NT 4.0 (x86)
- Linux 2.0.36 and others (x86)
- Irix 6.4 and 6.5 (MIPS)
- Digital/Tru64 Unix (Alpha)
- AIX 4.1.5 [Paradyn], 4.2 [DynInst] (Power2/SP2)
Paradyn Release 3.0

Includes

• Solaris (SPARC and x86)
• Windows/NT (with front-end)
• Linux
• Irix
• DEC/Tru64 UNIX (Dyninst only)
• AIX on hold (for Paradyn).

Target: mid May (2Q99).
Solaris (SPARC)

- Base development platform
- Shared objects
- Shared-memory sampling
- Partial 64-bit support
- Function relocation/expansion
- Thread instrumentation
- Multiple compiler support
Solaris (x86)

- Shared objects
- Shared-memory sampling
- Multiple compiler support
Windows/NT

• Shared objects (dll’s)
• Shared-memory sampling
• Histogram visualization 50% ported
• Executable file clean-up issues
• “detach” a problem
Linux (x86)

- Shared objects
- Shared-memory sampling
- Will support HW counters for wall-time
Irix (MIPS)

- Shared objects
- Shared-memory sampling
- Dynamic heap
- Partial 64-bit support
- Single-instruction patch jumps
- Multiple compiler support
- Still resolving timer access
- Dynamic process creation to be done
- Hardware timers - almost
Digital/Tru64 Unix (Alpha)

- Dyninst stable, Paradyn not updated
- Shared-memory sampling
- 64-bit support
- Multiple compiler support
- Arbitrary instruction instrumentation
AIX (*Power2*)

- Paradyn on hold, pending support
- Dyninst-only version from Maryland
- Multiple compiler support
- Arbitrary instruction instrumentation