

UDI HDK Roadmap

<http://www.sco.com/forum1999/conference/developfast/f7>

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UDI HDK Roadmap - Why UDI?

- **UDI lets you write once, port for free**
- **UDI Version 1.0 is at the editors. See <http://www.sco.com/udi/specs.html>**
- **UDI will be supported on all SCO O/S's**
 - UnixWare 7, Release 7.1 and 7.2
 - OpenServer runtime (Mid-2000)
 - Monterey 64

UDI HDK Roadmap - UDI Timetable

- **UDI alpha DK available today at <http://www.sco.com/UDI/sco/udidk>**
- **UDI DK and runtime PTF for UnixWare 7, Release 7.1 in Q4 1999**
- **Native UDI DK, doc, runtime for UnixWare 7, Release 7.2 in '00**

UDI HDK Roadmap - UDI Timetable

- **Going forward, UDI will be on Monterey but DDI will not**
- **Download the UDI spec today; go to the talks**
- **UDI - your path to Monterey 64**

UDI HDK Roadmap - UW 7.1

- **Alpha version of the UDI Developer kit for UnixWare 7 Release 7.1 available today**
- **Downloadable from**
<http://www.sco.com/UDI/sco/udidk>
- **UDI version 1.0rc3 compliant**

UDI Alpha DK info (cont'd)

- **Alpha DK includes tools to**
 - compile your driver (**udibuild**)
 - create UDI-compliant driver package (**udimkpkg**)
 - install a UDI-compliant driver package on UW (**udisetaup**)
- **pkgaddable atop UW 7.1**

UDI Alpha DK info (cont'd)

- **Alpha DK supports UDI specs, including**
 - Core Services
 - Physical I/O
 - SCSI Driver
 - Network Driver
 - PCI Bus Binding

UDI Alpha DK (cont'd)

- **Alpha DK includes sample drivers**
 - DPT SCSI (see F12: *UDI SCSI Drivers*)
 - CMOS
- **Alpha DK includes tools to**
 - compile driver (**udibuild**)
 - build driver package (**udimkpkg**)
 - install package on UW system (**udisetaup**)

UDI Alpha DK info (cont'd)

- **Alpha DK to be updated monthly, see release notes for restrictions**
- **E-mail address (udidk@sco.com) for feedback**
- **Plan to ship as official PTF Q4 1999**
 - includes tuning, doc, full 1.0 support
 - will form basis for UnixWare 7 Release 7.2 implementation

UDI HDK Roadmap - UW7.2

- **UDI will be the native driver model for UnixWare 7 Release 7.2**
- **Still will support drivers written to DDI version 6 or higher**
- **Full support (HDK, samples, tools, debugging)**

Project Monterey



Available at Initial Merced Release

UDI Support in Project Monterey

- **UDI critical to Project Monterey success**
 - Single driver model for all 3 platforms
- **UDI is preferred driver model for Monterey-64 on IA-64**
 - Available in the first release

Monterey UDI SDK Schedule

- **UDI SDK first release in mid-2000**
 - Monterey-64 on IA-64
 - AIX® on PowerPC
- **UnixWare® 7 is obvious development platform of choice for now**
 - Simply recompile for IA-64 or PowerPC

Adaptec UDI Roadmap

<http://www.sco.com/forum1999/conference/developfast/f7>

Mark Bradley

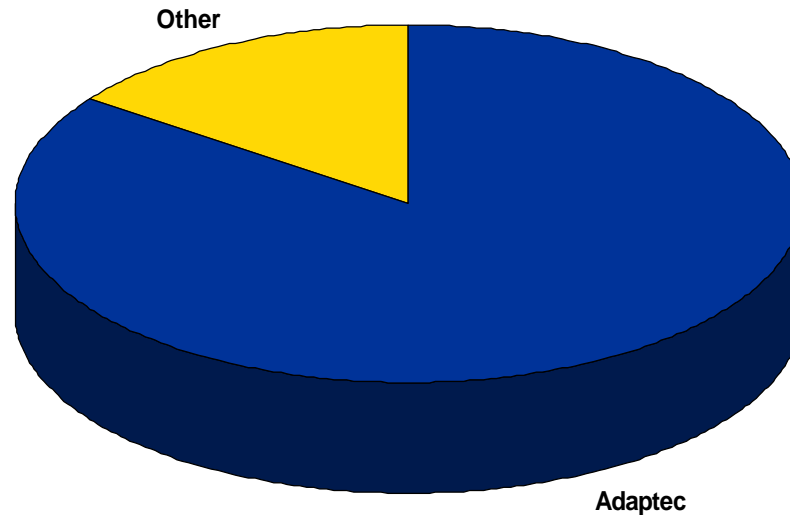
Adaptec

Project UDI Advisor

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Adaptec Market Share in the SCSI I/O marketplace



Adaptec owns the SCSI I/O marketplace due to:
Superior compatibility, Outstanding reliability,
Professional support, and.....

Adaptec Supports UDI

- **Early involvement w/ Project UDI**
- **UDI Driver for Prototyping of spec.**
- **Drivers for U160 products**
 - Announcements to OEM's has been done
 - Public Announcement of availability '00

Adaptec Supports UDI

- **UDI is in line with our value-add proposition of solid drivers for our customers**
- **Allows Adaptec to hit several OS's with one driver source**
- **Unlike other standards, allows continued value to be in silicon, and....**

Leading with New SCSI Technology



Speed

- 160 MB/second
doubles the transfer
rate of Ultra2 SCSI

Manageability

Domain Validation
intelligently tests the storage
network
CRC enables higher
reliability

SCSI

- Backward compatibility
protects your investment
with the same SCSI your
business runs on today



Introduction to UDI

Intel's Network Interface Division Roadmap

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Intel's NID Roadmap

- **Why UDI?**
- **Intel's plans**
 - When and where to expect UDI nic drivers
- **Expectation of UDI**
 - Performance, extensibility and OS neutrality



Why UDI?

- **Our division acts as an IHV for Intel's network adapters**
 - Problems that UDI attempts to solve for an IHV
 - » Multiple OSs supported with one driver
 - » Multiple adapter drivers derived from a single driver
 - only hardware specific source code changes



Why UDI? (cont.)

- Results from using UDI
 - » Testing effort for the multiple OSs becomes much easier
 - » Brings the industry together by offering a standard way in which to write device drivers making it easier for the industry to get more devices supported
 - » Makes the migration from IA-32 to IA-64 easy
 - The same driver will work on both architectures with a re-compile



Intel's plans

- **Have been working on our driver design since the 0.90 version of the specification was produced**
 - We've moved onto the 1.0 version to finish the design
 - Driver design almost finished today
- **Will be ready for the early beta's of Monterey**
 - AIX version of our current DDI 8 driver for power-on
- **Will be fully supported through the IA-64 launch**
- **Intel's PRO/100+ and the PRO/1000 series nics will be supported at the IA-64 launch**



Expectation of UDI

- **Better performance**
 - Better network performance
 - Fewer CPU cycles used to produce the same network load
 - Better reliability and stability
- **Fewer versions of nic drivers to support**
 - Development costs as well as the support and testing efforts are reduced with fewer driver versions
- **Get our driver onto more OSs than it currently is ported to since the driver is OS neutral**

