Preface

This manual documents how to use the tape subsystem, the tape daemon-assisted interface (also called the Tape Management Facility) for the UNICOS 10.0 and subsequent UNICOS/mk releases. In addition, the manual contains a chapter that describes how to use the character-special tape interface.

Other chapters provides tape subsystem information on using tape formats, performing basic tape procedures, and writing Fortran and C tape applications.

Warning: Because of changes to available software, hardware, and system configurations since the UNICOS 8.0.2 system evaluation, the term "Trusted UNICOS" no longer implies an evaluated product. Any use of the term "Trusted UNICOS" in UNICOS 10.0 documentation refers to the currently available system configuration that closely resembles that of the evaluated Trusted UNICOS 8.0.2 system. Cray Research continues to offer a variety of specific MLS system configurations, including configurations that support functionality required by trusted systems.

Related Publications

The following administration manuals are available:

- *General UNICOS System Administration*, Cray Research publication SG–2301

- *Tape Subsystem Administration*, Cray Research publication SG–2307

- *UNICOS/mk General Administration*, Cray Research publication SG–2601

The following documents contain additional information that may be helpful:

- *UNICOS User Commands Reference Manual*, Cray Research publication SR–2011

- *UNICOS System Libraries Reference Manual*, Cray Research publication SR–2080

- *UNICOS Multilevel Security (MLS) Feature User's Guide*, Cray Research publication SG–2111

- *Application Programmer's Library Reference Manual*, Cray Research publication SR–2165

- *Application Programmer's I/O Guide*, Cray Research publication SG–2168

- *UNICOS/mk User Commands Reference Manual*, Cray Research publication SR–2611
- *UNICOS/mk System Libraries Reference Manual*, Cray Research publication SR–2680

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Conventions

The following conventions are used throughout this document:

Convention	Meaning
`command`	This fixed-space font denotes literal items such as commands, files, routines, path names, signals, messages, and programming language structures.
`manpage(x)`	Man page section identifiers appear in parentheses after man page names. The following list describes the identifiers:
	1 User commands
	1B User commands ported from BSD
	2 System calls

3	Library routines, macros, and opdefs
4	Devices (special files)
4P	Protocols
5	File formats
7	Miscellaneous topics
7D	DWB-related information
8	Administrator commands

Some internal routines (for example, the `_assign_asgcmd_info`() routine) do not have man pages associated with them.

variable	Italic typeface denotes variable entries and words or concepts being defined.
user input	This bold, fixed-space font denotes literal items that the user enters in interactive sessions. Output is shown in nonbold, fixed-space font.
[ ]	Brackets enclose optional portions of a command or directive line.
...	Ellipses indicate that a preceding element can be repeated.

The following machine naming conventions may be used throughout this document:

Term	Definition
Cray PVP systems	All configurations of Cray parallel vector processing (PVP) systems.
Cray MPP systems	All configurations of the CRAY T3D series. The UNICOS operating system is not supported on CRAY T3E systems. CRAY T3E systems run the UNICOS/mk operating system.
All Cray Research systems	All configurations of Cray PVP and Cray MPP systems that support this release.

The default shell in the UNICOS and UNICOS/mk operating systems, referred to in Cray Research documentation as the *standard shell*, is a version of the Korn shell that conforms to the following standards:

- Institute of Electrical and Electronics Engineers (IEEE) Portable Operating System Interface (POSIX) Standard 1003.2–1992

- X/Open Portability Guide, Issue 4 (XPG4)

The UNICOS and UNICOS/mk operating systems also support the optional use of the C shell.

Cray UNICOS Version 10.0 is an X/Open Base 95 branded product.

Reader comments

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