About This Manual

Objectives of This Manual

This manual provides tutorial and reference information concerning DJM, the Distributed Job Management system, on the CM-5.

DJM was originally developed at the Minnesota Supercomputer Center. It is available to all CM-5 sites.

Intended Audience

This manual contains material useful for all end users of DJM (both beginners and advanced uers), for DJM operators and administrators, and for administrators who are considering using DJM at their sites.

Revision Information

This manual is new as of Version 2.0 of DJM, Version 7.3 of CMOST.

Organization of This Manual

The manual is divided into 3 chapters and 7 appendixes:

Chapters

- Chapter 1, “Using DJM,” explains how to use DJM on the CM-5.
- Chapter 2, “DJM Administration,” explains how to administer the DJM system.
- Chapter 3, “DJM Reference,” provides the DJM manual pages.

Appendixes

- Appendix A describes the global configuration file.

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- Appendix B describes the queue configuration files.
- Appendix C describes how DJM calculates scores for jobs.
- Appendix D describes the partition configuration file.
- Appendix E describes the job files.
- Appendix F describes the DJM configuration file.
- Appendix G compares the DJM and NQS systems, with particular regard to compatibility issues.

Users of DJM should read Chapter 1 for introductory and tutorial information. They should refer to the man pages in Chapter 3 for detailed information about specific commands or options. If they formerly used NQS, they may also find Appendix G helpful.

DJM administrators and operators may find the entire manual useful.

Administrators who are considering using DJM at their sites will probably want to read rapidly through Chapters 1 and 2, plus the appendixes (especially Appendix C).

Related Documents

For more information on running programs on the CM-5, see the *CM-5 User's Guide*. For more information on administration issues for the CM-5, see the *CM-5 System Administrator's Guide*.

Notation Conventions

The table below displays the notation conventions observed in this manual.

Convention	Meaning
bold typewriter	UNIX and CM System Software commands, command options, and filenames, when they appear embedded in text. Also programming language elements, such as keywords, opera-

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	tors, and function names, when they appear embedded in text.
italics	Argument names and placeholders in function and command formats.
`typewriter`	Code examples and code fragments.
`% bold typewriter` `regular typewriter`	In interactive examples, user input is shown in bold typewriter and system output is shown in regular typewriter font.

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