About This Manual

Objectives of This Manual

The *CMMD Reference Manual* describes the CMMD library, a library of communication routines used for creating message-passing programs (sometimes called MIMD programs) to run on the Connection Machine CM-5 supercomputer. It provides

- background information on parallel programming, message passing, and programming models.
- reference chapters for each functional group of routines. These chapters provide information on the routines themselves and, in some cases, on the way in which the routines function and the uses to which they may be put.

Intended Audience

This manual is written for programmers who are developing or porting message-passing programs to run on the Connection Machine CM-5 supercomputer. It assumes some previous knowledge of message-passing programming.

Related Documents

CMMD User's Guide: The *CMMD Reference Manual* is intended to be used together with the *CMMD User's Guide*, which provides an introduction to the CM-5 supercomputer itself and to the manner in which message-passing programs execute on that machine. The user's guide also describes the steps involved in developing, compiling, linking, executing, and debugging a CMMD program.

Manual Pages: The reference descriptions for individual routines provided in this manual are also available on-line as manual pages accessible via the `man` command.

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Quick Reference Guides: Two quick reference guides are available for Version 3.3: *CMMD for Fortran Quick Reference* and *CMMD for C Quick reference.*

Revision Information

This edition of the *CMMD Reference Manual* documents Version 3.3 of the CMMD library. Readers should note that this library is still under development and is therefore subject to change.

Notation Conventions

The notation conventions observed in this manual are shown below.

Convention	Meaning
`typewriter`	CMMD functions, and UNIX and CMOST commands, command options, and filenames. Also code examples and code fragments.
`bold typewriter`	Function names in syntax statements.
`italics`	Argument names and placeholders in function and command formats.
`% ` **`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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