About this manual

Audience

This manual is written for those who want to know how to develop and execute programs on the iWarp™ Computer System. The manual assumes that the reader understands the UNIX operating system and the C programming language.

Using this manual

This manual is both a user's guide and a reference manual and is intended for both the new and experienced iWarp programmer. The manual provides both tutorial information for new users and reference information for those already experienced with the iWarp system.

If you are a new user, start with Chapter 1 and read through the manual to understand how the iWarp system works and how to use the program development tools to create programs.

If you want to learn about program development using the Programmed Communication Services (PCS), start with the PCS concepts in Chapter 1. Chapter 8, "Developing Applications with PCS" provides examples for developing iWarp applications with PCS.

For those experienced with programming on the iWarp system, the manual also provides reference information.

The manual contains the following chapters:

Chapter 1:	Provides an overview of the iWarp system.
Chapter 2:	Describes the iWarp program development software.
Chapter 3:	Describes the iWarp runtime system.
Chapter 4:	Describes program communication for the iWarp system using the PathLib library.
Chapter 5:	Describes program communication for the iWarp system using the PCS libraries.
Chapter 6:	Describes the PCS tools for developing iWarp applications.
Chapter 7:	Explains how to develop and execute programs on the iWarp system.
Appendix A:	Provides a quick-reference to iWarp commands.
Appendix B:	Provides the manual pages for the PathLib calls.
Appendix C:	Provides the manual pages for the PCS tools and calls.
Appendix D:	Provides a glossary of iWarp terms.

Conventions:

Documentation conventions

- **bold type** is used to reference functions supported by Unix or iWarp man pages.
- *italic type* indicates items you must provide.
- `courier font` is used for program and command examples.

In a syntax description:

- **[ ]** square brackets enclosing qualifiers indicate the qualifiers are optional.
- **{ }** braces enclosing qualifiers indicate that one or more of the qualifiers is required.
- **|** a vertical rule separating qualifiers indicates that only one of the qualifiers can be selected.
- **. . .** a horizontal ellipsis indicates that the preceding optional item can appear one or more times in succession.
- **⋮** a vertical ellipsis indicates the continuation of statements within a program example.
- spaces are used between entities to improve readability in both syntax descriptions and programs but unless otherwise noted have no significance.

List of Related Documents

The following documents provide more information about the iWarp system.

- *Introduction to iWarp*
- *iWarp Microprocessor - A component overview*
- *iWarp C User's Guide*
- *Apply Manual*
- *iWarp Debugger Manual*
- *iWarp Macroarchitecture Specification*

NOTE

The *iWarp Macroarchitecture Specification* is not part of the iWarp manual set but is available upon request.