User Level Driver (ULD) Common Library Package Version 6.0.0 Release Notes
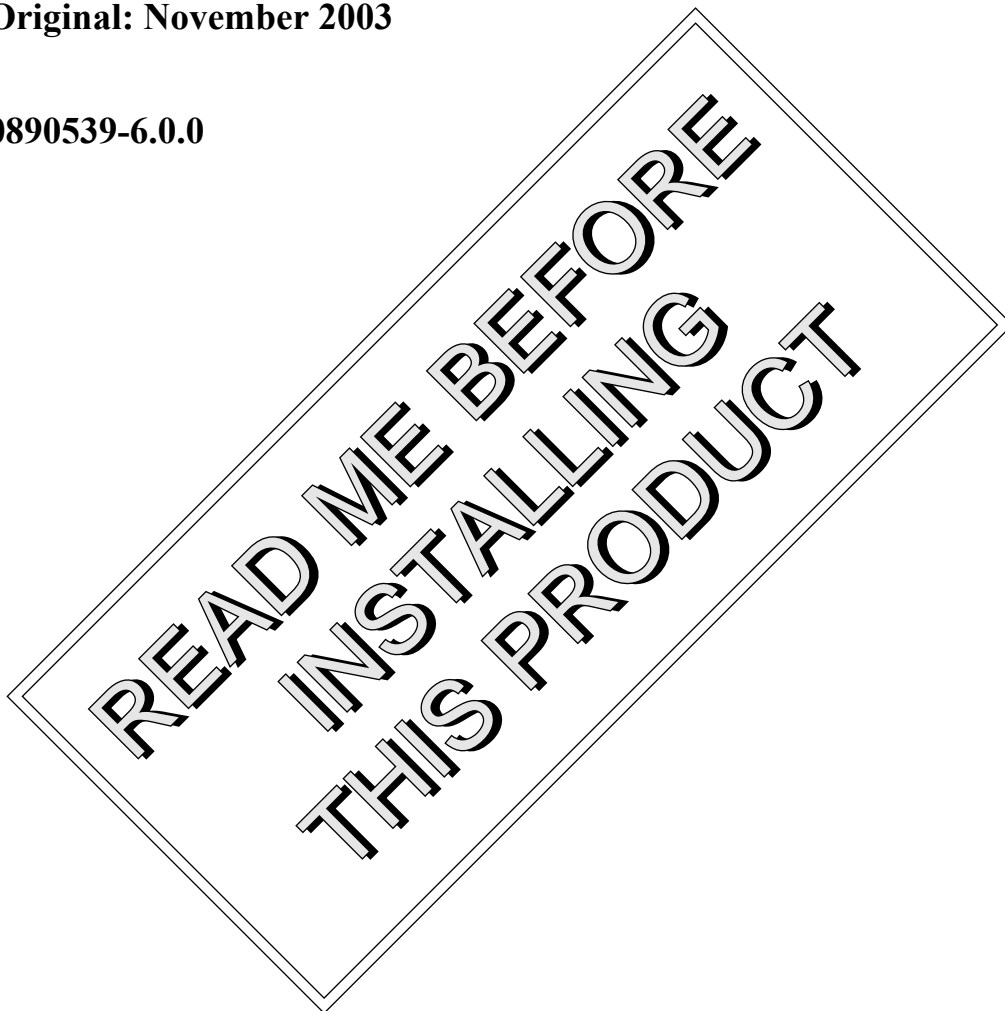
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READ ME BEFORE INSTALLING THIS PRODUCT

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1.0.   Introduction

This document provides instructions for installing the ULD common library package on PowerHawk Series 900 Computer Systems running PowerMAX OS 6.0. This is a pre-requisite package for the VMIVME 3122 user level driver for PowerMAX OS 6.0

2.0.   Documentation

The uld_common(7) man page is provided by Concurrent Computer Corporation with this product.

3.0.   Prerequisites

The following prerequisites apply to the ULD Common Library package.

3.1.   Software

- PowerMAX OS Release 6.0 or later.

4.0.   Syntax Notation

The following notation is used throughout this manual:

italic	Books, reference cards, and items that the user must specify appear in *italic* type. Special terms may also appear in *italic*s.
list bold	User input appears in **list bold** type and must be entered exactly as shown. Names of directories, files, commands, options and system manual page references also appear in **list bold** type.
list	Operating system and program output such as prompts and messages and listings of files and programs appear in list type.
[ ]	Brackets enclose command options and arguments that are optional. You do not type the brackets if you choose to specify such options or arguments

5.0. Installation Procedures

5.1. ULD Common Library Installation Procedures

This section includes the following:

- Installing the ULD Common Library package from 4mm DAT.
- Installing the ULD Common Library package from CD-ROM.
- Configuring and compiling the ULD Common Library.
- Removing the ULD Common Library from the system.

5.1.1. Installation from 4mm DAT

As the root user perform the following steps:

1. If a version of the ULD Common already exists on this system, issue the pkgrm (1M) command and confirm to the command that the uld_common-5xx package is to be removed. (Note: this step can be followed to remove the driver regardless of whether a new version is to be installed.) Do the following step:

   ```
   pkgrm uld_common-xxx     (where xxx is the OS version)
   ```

2. Determine tape device name.

   ```
   /usr/bin/getdev
   ```

3. If tape device does not exist then create tape device:

   ```
   putdev -a tape0 volume="dat tape" cdevice=/dev/rmt/0hf \
       desc="dat drive 0" type=ctape
   ```

4. Add ULD Common Library Package:

   ```
   pkgadd -d tape0
   ```

5.1.2. Installation from CD-ROM

Note:

The system must be configured with the **gr** (generic CD-ROM device driver**)** and **cdfs** (CD-ROM filesystem) modules and an entry must exist for the CD-ROM device nodes in /etc/conf/node.d/gr.

In the example shown below, the CD-ROM device is /dev/cd/0, the CD-ROM disc is mounted under /mnt/cdrom and the commands are performed by the root user.

Perform the following steps as root user:

1. If a version of the ULD common already exists on this system, issue the pkgrm (1M) command and confirm to the command that the uld_common-xxx package is to be removed. (Note: this step can be followed to remove the driver regardless of whether a new version is to be installed.)

   pkgrm uld_common-xxx

   where xxx is PMAX OS version.

2. Insert the PowerWorks Optional Products disc into the CD-ROM drive and mount the file system as shown below:

   mkdir /mnt/cdrom
   mount -F cdfs -r /dev/cd/0 /mnt/cdrom

3. Get a list of the packages on the CD-ROM disc and verify that the package you wish to install is on the CD-ROM disc.

   pkginfo -d /mnt/cdrom/pkgs.dstream

4. Multiple packages may be installed at once by specifying more than one package name, as in:

   pkgadd -d /mnt/cdrom/pkgs.dstream uld_common-600
   v2510-600

5. The package(s) to be installed may be selected from a menu of all the packages available on the CD-ROM disc by not specifying any package name, as in:

   pkgadd -d /mnt/cdrom/pkgs.dstream

   NOTES:

   Once this ULD library is installed, make sure to install updated versions of the ULD drivers that are compatible with the installed ULD library.

   The installed version of this ULD library can be obtained by performing a "pkginfo -l" on the uld_common-xxx package and checking the VERSION parameter or looking at the variable "ULD_LIB_VERSION" in the include file /usr/src/udrivers/lib/uld_common/uld_common.h" in the installed directory.

   The version number ULD library that are supported by the individual ULD drivers can be verified by "pkginfo -l" on the ULD driver package and checking the VERSION parameter.

5.1.3.   Removing the ULC Common Library.

As the root user issue the following command:

#>/usr/sbin/pkgrm uld_common-600

6.0. Direct Software Support

Software support is available from a central source. If you need assistance or information about your system, please contact the Concurrent Software Support Center at our toll free number 1-800-245-6453. For calls outside the continental United States, the number is 1-954-283-1822. The Software Support Center operates Monday through Friday from 8 a.m. to 5 p.m., Eastern Standard time. You may submit an online request for assistance at any time by using the Concurrent Computer Corporation web site at http://www.ccur.com/isd_support_contact

Calling the Software Support Center gives you immediate access to a broad range of skilled personnel and guarantees you a prompt response from the person most qualified to assist you. If you have a question requiring on-site assistance or consultation, the Software Support Center staff will arrange for a field analyst to return your call and schedule a visit.