

X-Tek License Manager User's Manual

For XLM 2.0.0

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Jan. 4, 2010

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Introduction

XLM 2.0 is the standard license manager software used by all X-Tek licensed applications.

X-Tek License Manager Introduction

All X-Tek Corporation licensed applications utilizes a custom license manager for application control, called X-Tek License Manager (XLM). The license manager is a suite of applications which operate together to provide license handling functions.

XLM is supported on many popular platforms:

- * Linux 64-bit
- * X86 Linux
- * MS Windows 2000/XP/Vista/7

The XLM applications are detailed in the following sections.

xlmhostid

xlmhostid is a small application that is used to report the host ID of the machine that it is executed on. xlmhostid does not have any command-line options and is simply run from the command line like so:

```
% xlmhostid
```

The application will report the host ID(s) of the machine, which can then be used for licensing information.

xlmserver

xlmserver is a license server application that is used to provide licenses to multiple hosts. xlmserver can also operate in a triple-redundant configuration, providing license services from three redundant server machines. The triple-redundant configuration is controlled by the license file and does not require any special setup of xlmserver.

xlmserver is invoked from the command line using the following format:

```
% xlmserver <options> &
```

The valid xlmserver options are:

`-license <file>` : read license information from file <file>

Upon invocation, xlmserver will also read license information from:

- a) The local license directory: <X-HDL install_dir>/licenses
- b) The license file pointed to by the environment variable XLMLICENSE_FILE, if it exists.

The xlmserver application uses TCP port 60071 for communication with client applications. It is possible that this default port will be in use by another program. In that situation, the environment variable XLMPORT can be used to specify a different TCP port for xlmserver and client applications to use. XLMPORT can be set to any unused TCP port desired.

xlmcontrol

xlmcontrol is an application to communicate with and control the xlmserver application. xlmcontrol sends commands to xlmserver and receives responses which is then echoes to the display.

The xlmcontrol command formats are detailed below. All commands accept a single command-line option, -server <servername>. The -server command-line option must be used if xlmserver is running on a different machine than xlmcontrol.

Commands:

shutdown : instructs the license server to terminate

```
% xlmcontrol shutdown
```

status [<license>] : report the status of all licenses, or just the specified license.

```
% xlmcontrol status
```

log : display server log information

```
% xlmcontrol log
```

clearlog : clear server log information

```
% xlmcontrol clearlog
```

load <filename> : load the licenses from the file <filename>. If the file doesn't exist, the command is ignored.

```
% xlmcontrol load /usr/local/share/licenses.txt
```

clear : clear all licenses being managed by the server

```
% xlmcontrol clear
```

remove <license> : remove a specific license from the server. If the license doesn't exist, the command is ignored.

```
% xlmcontrol remove 472D39503F8971A7B0A1
```

free <license id> : If the specified license is checked out, force it to be checked in. If the license doesn't exist, the command is ignored.

```
% xlmcontrol free 472D39503F8971A7B0A1-1
```

info <license id> : get information regarding the supplied license. The information includes the feature, version, end data, start date, count and servers for the licenses. If the license doesn't exist, the command is ignored.

```
% xlmcontrol info 472D39503F8971A7B0A1-1
```

term <license id> : get the number of days before the license terminates. If the license does not exist, the command is ignored. If the license is permanent, a very large number is returned.

Initial setup

After installation, the only setup needed for full XLM operation is the installation of a license for an X-Tek application.

To purchase a license or obtain an evaluation license, please contact X-Tek Corporation sales at:

sales@x-tekcorp.com

XLM supports both node-locked and floating licenses. Node-locked licenses are simpler to work with, but floating licenses provide greater flexibility.

After receiving your license from X-Tek, please perform the following steps to install the license on your system.

License installation

Simply use the xlmcontrol application to install a new license.

Software License Agreement

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