

Readme File for Licensing Applixware 4.43

This Readme file provides some basic instructions on how to set up an Applixware license manager.

Applixware uses the FLEXlm product from Macrovision, Inc. to manage licensing. If you are interested in additional licenses or would like to upgrade your current licenses, please contact sales@vistasource.com

Available Licenses =====

Demonstration license - an automatic, 30-day node-locked evaluation license. This license does not require a license server.

Network / floating license - requires a license server (see below). Licenses exist for any of the features on either a permanent or temporary basis.

Why you need a "C:" drive" on Windows =====

Applixware uses the FLEXlm product from Macrovision, Inc. as its license manager. In some cases we have found that the Macrovision product requires a "C:" drive for its installation. If your machine does not have a "C:" drive, and you are experiencing problems with the license setup, you may need to map the "C:" drive to the drive where you want to install the product.

How to get license keys from VistaSource =====

After purchasing the desired number of licenses, the VistaSource licensing department at licensing@vistasource.com will issue valid license keys in a file called "axlicensedat".

In order to create a license key, the licensing department needs the unique MAC Ethernet address of the first Ethernet network interface card of the MS Windows machine or the Hostid of your Unix machine, on which you want to install the Applixware product.

On Windows machines:

There are two ways to get this MAC Ethernet Address from your PC:

1. After installing the Applixware product, execute the FLEXlm tool lmttools.exe that is located in the <applixware_install_dir>\axdata directory. Run lmttools.exe to start the program. You will see the dialog box "LMTTOOLS by Macrovision", which contains several tabs. Click on the tab "System Settings". The MAC Ethernet address is located in the field "Ethernet Address". Copy the number and forward it to the VistaSource licensing department.

2. If Applixware is not installed on the machine which will be the license server, you can use a DOS tool to get the MAC Ethernet address for that machine. In a DOS Shell window, run the command "ipconfig/all". Part of the output is the Physical Address, for instance, "00-02-A5-53-C0-D4". Next, you need to delete

the hyphens between the numbers to convert the physical address in a format that can be used for creating license keys: "0002A553C0D4"

On Unix machines:

You can simply get the hostid by running the command "hostid" from the command prompt.

For further information about Macrovision's FLEXlm tool or if you wish to consult the FLEXlm End User guide, please visit the website:
www.macrovision.com.

Setting up a License Server on Windows

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To set up a Windows machine as your license server:

1. Save the "axlicensedat" file you received back from VistaSource Licensing into your <applixware_install_dir>\axlocal directory. Edit the file and, on the SERVER line, type in the name of your machine, replacing the default name "this_host".
2. Launch lmtools.exe which is located in the <applixware_install_dir>/axdata directory.
3. In the "Service/License File" tab choose "Configuration using Services".
4. In the "Config Services" tab, type "License Server" in the field "Service Name".
5. Browse or type in the path for axnlmgrd.exe. The axnlmgrd.exe is in the <applixware_install_dir>/axdata directory.
6. Browse or type in the path for axlicensedat license file. The axlicensedat is in the <applixware_install_dir>/axlocal directory where you previously saved the file.
7. Put in the path to your temp directory for the debug log and name it applixware.log (or any name you like).
8. Toggle on "Use Services"
9. Toggle on "Start Server at Power Up"
10. Click "Save Service".
11. Click on the "Start/Stop/Reread" tab. Your new service should be listed.
12. Click "Start Server".

Setting up a License Server on Unix

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To set up a Unix machine as your license server:

1. Login as root to your Unix box where you where you want to serve the licenses.
2. Save the "axlicensedat" file you received back from VistaSource Licensing into your <applixware_install_dir>/axlocal directory. Edit the file, and on the SERVER line, type in the name of your machine, replacing the default name "this_host".
3. From the command line, run the following command to start up the license server:

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# <applixware_install_dir>/axdata/axnlmgrd -c  
<applixware_install_dir>/axlocal/axlicensedat -l /tmp/applixware.log &
```

The above command will start the license daemon process "vistasrc" using the licenses defined in the "axlicensedat" file and output logging information to the file "applixware.log". <applixware_install_dir> should be replaced with the appropriate path to where Applixware is installed.

NOTE: You can also create a boot script to run the daemon. If for example, you are running on a Solaris server, you could create a bootscript named "S99applixware" in the /etc/rc3.d directory, with the above line in it, and it would run at boot time.

Setting up a License Client

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Once you have setup an Applixware License Server machine, you can have client Applixware machines use that license server to get its licenses. This can be done in one of two ways:

1. Copy the license server's "axlicensedat" file into each Applixware client's axlocal directory, replacing the existing axlicensedat. The SERVER line in the file will have the license server's hostname in it and will tell the Applixware client from which machine to request licenses.

OR,

2. Set the LM_LICENSE_FILE variable to point to the hostname of the license server machine.

ON WINDOWS CLIENTS, you will need to set an Environment Variable LM_LICENSE_FILE and set this to "@hostname" where hostname is the name of the machine running your License Server.

ON UNIX CLIENTS, you simply set a shell variable called LM_LICENSE_FILE to "@hostname", where hostname is the name of the machine running your License Server.

If you specifically set a port in the axlicensedat file on the license server machine you will need to include this port number in your variable setting:

e.g. LM_LICENSE_FILE=27000@hostname

NOTE: If you are encountering unexpected licensing errors, please check to see if you have a ".flexlmrc" file in your HOME directory. If so, you may want to

remove it or rename it, since it may be causing a conflict with your LM_LICENSE_FILE variable setting.