

Licensing Tools

Version 10.8.0.2 for Alias products
for Solaris operating environment



Legal Notices

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Licensing Tools: SUN Solaris

Installing the license server tools

Important Alias strongly recommends you uninstall the previous version of your licensing tools before installing the new version.

To install the license server tools

- 1 Download pdr_LicenseServer-solaris.tar.Z
- 2 On the server machine, change directory to root by typing

```
cd /
```

where <path> is the location for the license tools.
- 3 Install the server tools by typing

```
zcat <path>/pdr_licenseServer-solaris.tar.Z | tar xvf -
```
- 4 After the files have been extracted to the appropriate directories, the tar file can be removed by typing

```
rm <path>/pdr_LicenseServer-solaris.tar.Z
```

Verifying license server installation

To verify that the software has been installed

- 1 Open a shell and type:

```
/usr/aw/COM/etc/lmgrd -v
```

You should have version **10.8.0.2** of the FlexLM software now installed.

Obtaining and installing your Floating License

After you have downloaded and installed your license server software you may need to obtain and install your floating license.

Online licensing tool (webkey)

If you are a Platinum member, your license may be included in our on-line licensing tool (webkey).

For Maya licenses:

- www.alias.com/products/maya/webkeys

For StudioTools licenses:

- www.alias.com/products/studiotools/webkeys

Instructions are provided on the webkey page for how to download and install the webkey per platform.

Request a license

If you are unable to get your license from the on-line tool OR if you are a new customer, you will need to fill out a SPAR (Software Product Authorization Request) form at the following URL: www.alias.com/spar/

You'll need to provide the following information:

- Name
- Company name
- License type
- Telephone
- Email
- Agreement number — you can find your Agreement Number either in an email sent to you or on the packing slip delivered with your software.
- System ID — this is the value of your SUN hardware ID. To obtain your system ID, please install the Alias software, open a Terminal window, and enter the command `/usr/aw/COM/bin/lmhostid`.

Installing the floating license

If you were sent a license via email after filling out the SPAR form, follow these instructions to install a new license.

- 1** Save the license from the email to a destination on your hard drive.
- 2** To copy the license (source file) to your machine's license file (destination file), type the following in a shell:

```
findkey -i <source file> <destination file>
```

The destination directory is `/var/flexlm/`, and the file name is generally `aw_servername.dat`. The destination pathname is not required; if it is not specified, findkey will write to a default file location.

Setup for floating licenses

To configure your machines to serve and receive licenses across the network, you must set up the license server, then set up each client computer that obtains a license from the server. (Servers can serve a license to themselves.)

Note	Your license server can serve licenses to workstations on all supported platforms. This requires that the computers can access each other via TCP/IP.
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License server management options and license server confirmation

To start the license server

- 1 Log in as `root` if you have not done so.
- 2 Stop the `lmgrd` daemon by entering the following command:

```
/etc/init.d/aw_flexlm stop
```

- If the server was ON previously, the command issues some status information, which looks something like

```
lmdown - Copyright (C) 1989-2005 Globetrotter Software, Inc.  
Shut down FLEXlm server on node server-name 1 FLEXlm License  
Server shut down
```

- If the server is already OFF, you can ignore this error message, which looks something like

```
lmdown - Copyright (C) 1989-2005 Globetrotter Software, Inc.  
Connection to "server-name" failed: Cannot connect to license  
server(-15,12:146) Connection refused
```

- 3 Start the server by entering the following command:

```
/etc/init.d/aw_flexlm start
```

- If the server starts successfully, the status message should look something like this:

```
License file = /var/flexlm/aw_server-name.dat  
FLEXlm Licensing daemon for Alias software: /usr/etc/lmgrd
```

- 4 Log out of `root`.

Additional troubleshooting steps

If you are having problems starting your licensing server, and stopping and then restarting your service as in the above instructions does not solve your problem, do the following:

- 1 As `root`, type the following, and then press Return.

```
killall lmgrd
```

Note: Using <code>killall</code> will terminate all <code>lmgrd</code> processes and will cause all license servers to stop working
--

- 2 Type the following, and then press Return.

```
/usr/aw/COM/etc/lmgrd -c /var/flexlm aw_servername.dat
```

- 3 View the log file at the following location.

```
/usr/tmp/aw_flexlm.log
```

- 4 Type the following, and then press Return to see if the license manager is running in the process list.

```
/usr/bin/ps -aef | grep lmgrd
```

This confirms that the daemon is now running.

Setting up each client

To set up each client, you must add information to each client computer's `aw_servername.dat` file (on Mac OS X, `aw_client.dat`).

Note You can run Alias software applications locally on the license server computer using its existing `aw_servername.dat` or `aw_server.dat` file, so you don't need to do the following steps on the server machine.

To set up clients

- 1 Ensure the license server and client can access each other through your TCP/IP network.
- 2 On each client machine, create the following text file with a text editor:
Windows: `C:\FLEXlm\aw_servername.dat`
Mac OS X: `/var/flexlm/aw_client.dat`
all other platforms: `/var/flexlm/aw_servername.dat`
- 3 Type or copy this line from the license text provided by Alias. For example:
`SERVER server 0 7111`
- 4 Change the word **server** to match the name of your server. For example, if the server name is **myserver**, it would appear like this:
`SERVER myserver 0 7111`
- 5 On the second line, type the following:
`USE_SERVER`
- 6 Your file should now look like the following example:
`SERVER myserver 0 7111`
`USE_SERVER`
- 7 Press Enter to leave a blank line at the end.
- 8 Save the file.

While you can go through this manual series of steps on each machine, after you have created the first `aw_servername.dat` file, copy it to the `/var/flexlm` directory on the other clients. If there are DOS control characters in the license file (that is, if you have copied it from a Windows client), you'll need to remove them.

This completes the licensing procedure for floating licenses.

Note: You can use an IP Address instead of the name of the server. For example, a license file named `aw_myserver.dat` on a client machine that is referencing the IP address would look like this:

```
SERVER 10.0.0.10 0 7111  
USE_SERVER
```

If you need help

If you are having any problems with setting up your server license and you require troubleshooting information, please see: www.alias.com/support/

| Licensing Tools: SUN Solaris
> Obtaining and installing your Floating License