

Z-set installation and licensing guide

version 8.7

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1 Z-set installation

- Extract the Z-set archive file (eg. `z870_Linux_64.tar.gz` or `z870_win64.zip` depending on the platform) in folder `MyPath` (eg. `usr/local/` for example),
- This will create a `MyPath/Z8.7/` folder containing the Z-set distribution. While creating folder name for Z-set installation, ensure there is no space between words.
- Set the following environment variables and source the environment scripts.

Depending on the architecture :

- UNIX sh or bash shells :

```
$ export Z7PATH=MyPath/Z8.7  
$ . $Z7PATH/lib/Z7_profile
```

(these commands may be added in the configuration `.profile` or `.bashrc` file of users)
- UNIX csh or tcsh shells :

```
$ setenv Z7PATH MyPath/Z8.7  
$ source $Z7PATH/lib/Z7_cshrc
```

(these commands may be added in the configuration `.cshrc` file of users)
- Windows 64

```
set Z7PATH=MyPath\Z8.7
```

Make a change in the already existing variable `Path` by appending the following :

```
set PATH=%PATH%;%Z7PATH%/win64
```

(these variables may be set/modified via the "System → System Properties → Environment Variables" menu)

2 Z-set licensing

Build a request for license file using the following command :

```
$ Zserver -id
```

The output of this command should be e-mailed to support@zset-software.com. Z-set license can be either node locked (single system use) or floating (server-client type). In the e-mail, please specify the type of license (node locked or floating) your wish to obtain.

After receiving request file, we will send you a license key (`mylic.zlic` file) which is required to finalise the installation.

2.1 Installing a node-locked license key

To register a node locked license, one of the following methods may be used :

- Standard path : copy the license file to the `$Z7PATH/lib/` folder.
- Create a new environment variable called `Z7LICENSE` to point to the full path to your `mylic.zlic` file.

Upon completion, type the below command to ensure license is installed and check if installed correctly.

```
$ Zrun -test_license
```

2.2 Installing a server license

Register the floating license, using one of the following methods :

- Standard path : copy the license file to the `$Z7PATH/lib/` folder.
- Create a new environment variable called `Z7LICENSE` to point to the full path to your `mylic.zlic` file. On Windows, `Z7LICENSE` variable should be defined as system variable.

It is preferable to place the license file in a different folder for the fact that each time Z-set is updated, license file will remain same. Remember that there should be only 1 license file in the folder.

Once the Z-set environment is updated (and the Z-set commands are in the `PATH`), the license server may be launched by the following commands :

- UNIX :
\$ Zserver &
- Windows (run with full administrative privileges) :
\$ Zsetup_service

2.3 Configuring a client machine

To configure a Client machine to consume a licence from a Z-set License Server, one of the following methods may be used :

- Standard way : copy the license file (same as installed on the license server) to the \$Z7PATH/lib/ folder on the client machine.
- Create a new or edit an existing environment variable called Z7LICENSE to point to the full path to your mylic.zlic file (same as installed on the license server)
- Create a new or edit an existing environment variable called Z7LICENSE and provide the information about the license server in the following format `ServerName:LicensingPort`. The licensing port by default is 3490, please use 3490 (unless another part was requested for the license encoding).
- Example for UNIX :
\$ setenv Z7LICENSE MyPath/mylic.zlic
or
\$ setenv Z7LICENSE my_zset_license_server:3490
- Example for Windows :
\$ set Z7LICENSE=MyPath/mylic.zlic
or
\$ set Z7LICENSE=my_my_zset_license_server:3490

Upon completion, type the below command to ensure license is installed and check if installed correctly.

```
$ Zrun -test_license
```

3 DISTENE remeshing tools licensing

The DISTENE software (`yams`, `ghs3d`, `meshadapt`) are interfaced to Z-set but a separate license is needed to have access to them. Note that the DLIM license server currently may only be installed on an UNIX system.

- DISTENE binaries are located in the following folders :
 - UNIX : `$Z7PATH/PUBLIC/lib-XXX/Zmesh/` folder
 - Windows : `%Z7PATH%\win32\Zmesh\` folder
- To request license keys please send the result of the following command to `support@zset-software.com` :
 - UNIX :
`$Z7PATH/PUBLIC/lib-XXX/Zmesh/scripts/build_distene_request.csh`
 - Windows :
`%Z7PATH%\win32\Zmesh\DISTENE\DLim\license8\machines\win64\dlim8_get_info`
- You will receive a `dlim.zip` archive with the following files :
 - `dlim8.keys` : license server keys
 - `dlim8.var.bat` : client environment for windows
 - `dlim8.var.sh` : client environment for UNIX sh shells
 - `dlim8.var.csh` : client environment for UNIX csh shells
- DLIM server launching (UNIX only)

```
$ cp dlim8.keys $Z7PATH/PUBLIC/lib_XXX/Zmesh/scripts
$ cd $Z7PATH/PUBLIC/lib_XXX/Zmesh/scripts
$ ./distene.sh start
```
- Setting the environment for the client side :
 - UNIX : source the `dlim8.var.sh` or `dlim8.var.csh` script
 - Windows : copy the `dlim8.var.bat` file to the following location :
`$ COPY dlim8.var.bat %Z7PATH%\win32\Zmesh\DISTENE\Tools\bin\`