

TGSS

License Management Server

Version latest, 2024-10-31



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Chapter 1. Overview

The TGSS-LMS tool is a license server intended to serve floating licenses from a license pool.

Chapter 2. Installation

Unzip the archive on a Linux system. The server has been tested with Ubuntu 22 LTS.

Run the migration process, this will essentially setup the system. Migration is also needed when updating the license manager.

```
$ ./tgss-lms migrate # <1> Setup license manager
Migrate Command: Prepare
The following migration(s) will be prepared:
+ App.CreatePool on default
+ App.CreateCheckout on default
+ App.CreateUser on default
+ App.CreateGroup on default
Would you like to continue?
y/n> # <2> Type y to continue
```

Then launch the server:

```
tgss-lms serve --hostname 0.0.0.0 --port 8080
```

Connect a web browser to the host and port. The initial username and password is set as (without the quotes):

Username

"admin"

Password

"password"

It is recommended to change the admin password in the web interface immediately.



There is no trivial way to recover the admin user's password if it is forgotten.

Chapter 3. Maintenance

3.1. Changing Passwords

Only admin users can change passwords of other users, standard users can change their own passwords.

1. Log in using the web-interface.
2. Click on *Overview* in the navigation list.
3. Under password, type in the old password and the new password twice.
4. Click *Change Password*

3.2. Adding Users

Currently the `tgss-lms` has a very simple user mechanism. Users have access to all license pools, and can check out from them.

Users can be either administrators or normal users. Administrators can set the passwords of all users. Normal users can set the password of themselves only.

1. Log in using the web-interface
2. Click on *Users* in the navigation list.
3. Enter a user name and password.
4. Click on *Create User*

3.3. Installing License Keys

1. Log in using the web-interface
2. Click on *Pools* in the navigation list.
3. In *Title / Comment* add a descriptive text (this is for your own administration)
4. In *Pool Key* paste in the license key.
5. Click on *Add License Pool*

3.4. Updating Server

To update the server the normal process is to run the *migration* sub command. If done in-place, the server should be stopped before this is done.

It is recommended a copy of the old server directory is done before an update or migration.

```
$ ./tgss-lms migrate # <1> Setup license manager  
Migrate Command: Prepare
```

The following migration(s) will be prepared:

- + App.CreatePool on default
- + App.CreateCheckout on default
- + App.CreateUser on default
- + App.CreateGroup on default

Would you like to **continue**?

y/n> # <2> Type y to continue

The `tgss-lms migrate` command also accepts the `--yes` flag to automatically answer yes.

Chapter 4. Running the License Server

The license server supports the following sub-commands:

migrate

Must be run before the server is started the first time, and after updates.

serve

Start the license server

```
tgss-lms serve --hostname 0.0.0.0 --port 8080
```



Clocks of the server and the clients must be synchronized. Note that a small time deviation is tolerated.