

## Penguin Tower

- is a multiplayer 2 dimensional game
  - inspired by [Morloc Tower](http://www.mobygames.com/game/dunjonquest-morlocs-tower) (`http://www.mobygames.com/game/dunjonquest-morlocs-tower`) although Penguin Tower is very different
- however the screen layout and many of the key commands are the same

## Penguin Tower

- you can download a copy of the game from [here](http://floppsie.comp.glam.ac.uk/download/penguin-tower/penguin-tower-0.2.tar.gz) (`http://floppsie.comp.glam.ac.uk/download/penguin-tower/penguin-tower-0.2.tar.gz`).
- you then need to extract the archive using the following command line:

```
$ cd $HOME/Desktop
$ tar zxvf penguin-tower-0.2.tar.gz
```

## Creating important directories

- these directories need to be created before penguin tower can be built

```
$ cd $HOME/Desktop
$ mkdir -p $HOME/opt/bin
$ mkdir build-ptower
```

## Building Penguin Tower

- you should be able to build it by typing:

```
$ cd $HOME/Desktop
$ cd build-ptower
$ ../penguin-tower-0.2/configure --prefix=$HOME/opt
$ make
$ cd ..
```

- note the build will recreate all images in the build directory.
  - so do not edit these images located in the build directory during your coursework
  - otherwise you might accidentally erase all your work..

## Installing your own copy of Penguin Tower

- you can install your own copy of Penguin Tower into your directory (\$HOME/opt) specified by the --prefix to the ./configure command

```
$ cd $HOME/Desktop
$ cd build-ptower
$ make install
$ cd ..
```

## Running the client of Penguin Tower

- you should be able to run the client like this:

```
$ $HOME/opt/bin/penguin-tower mopsy.comp.glam.ac.uk:7000
```

- also consider running it in fullscreen by:

```
$ $HOME/opt/bin/penguin-tower -f mopsy.comp.glam.ac.uk:7000
```

## Configure notes

- you only need to execute ./penguin-tower-0.2/configure --prefix=\$HOME/opt once ever in this directory (unless you modify the package)
- check out the documentation [here](#) (ptower.html).

## Configure notes

- you can also run the system installed version by typing:

```
$ penguin-tower mopsy.comp.glam.ac.uk:7000
```

## Running your own Penguin Tower server

## Tutorial

- can be done by opening a terminal and typing the following:

```
■ $ cd  
$ ./opt/bin/ptower-server ./opt/share/ptower/maps/star
```

- to stop the server, type `^C` (press down the control key and then press the `c` key, now release both keys)

- there are a number of maps in the `$HOME/opt/share/penguin-tower/maps` directory

- `m1`, `star` and `glover`
- `star` is the smallest (5 rooms)

- examine the directory structure of `penguin-tower`
  - ie use a browser and navigate over the folders
  - you can ignore the `src` directory
  - you should pay special attention to the `data` and `sounds` directories