

# The Direct Daylight Project

Alex Tan

September 7, 2019

# Contents

<b>1</b>	<b>Git &amp; SSH</b>	<b>1</b>
1.1	Generate an SSH key . . . . .	1
1.2	Setting up git . . . . .	1
1.3	Command prompt basics . . . . .	2
1.4	Cloning the repo . . . . .	2
1.5	Git basics . . . . .	2
<b>2</b>	<b>Trello</b>	<b>3</b>

# 1 Git & SSH

This section covers how to download the project files, make changes, and sync these changes so that it can be viewed by the whole team.

## 1.1 Generate an SSH key

You will need an SSH key to gain access to the project files. Think of it as like a password. Follow the following steps to get started.

1. Open a terminal.
2. Run `ssh-keygen`.
  - You will be prompted for a location to save the `id_rsa.pub` file. Leave this blank to save it in the default location.
3. Take note of where the `id_rsa.pub` file is stored. You can find the location of the file in the command prompt.
  - On Windows, this is usually `C:\Users\your_username\.ssh/id_rsa.pub`
  - On Mac, this is usually `/Users/your_username/.ssh/id_rsa.pub`
  - On Linux, this is usually `~/.ssh/id_rsa.pub`
4. Send the `id_rsa.pub` file to Alex.

Note that you will also have a file named `id_rsa` in the same directory. This is known as your private key and should **not** be shared with anyone.

## 1.2 Setting up git

Git is a tool for keeping track of changes in project files, and for coordinating work between multiple people across the team. You can think of it as a more sophisticated version of Google Drive, or Microsoft OneDrive.

To get started, first check if you have git installed, and download it if it is not installed.

- On **Windows**, open the Start Menu and search for git. Unless you have used git before, it probably will not be installed. Visit <https://git-scm.com/download/win> to download and install git.

To check if it installed correctly, open the Start Menu and search for git. After opening git, a command prompt should open. Now run `git --version`.

- On **Mac**, you may or may not have git installed. You can check by opening a terminal and running `git --version`. If git is not installed, visit <https://git-scm.com/download/mac> to download and install git.

To check if it is installed correctly, open a terminal, and run `git --version`.

- On **Linux**, you may or may not have git installed. You can check by opening a terminal and running `git --version`. If git is not installed, visit <https://git-scm.com/download/linux> and follow the instructions.

To check if it is installed correctly, open a terminal, and run `git --version`.

### 1.3 Command prompt basics

There are numerous commands that can be run in the command prompt. The following are the most useful to get you started.

<code>ls</code>	Lists all the files and directories in your current directory.
<code>pwd</code>	Prints the location of your current directory.
<code>cd directory_name</code>	Navigates to the specified directory (relative to where you currently are).
<code>cd ..</code>	Navigates to the parent directory (relative to where you currently are).

### 1.4 Cloning the repo

We first need to download the project files. In the git command line, navigate to somewhere you want to download the project to, and then run the following command.

---

```
git clone git@directdaylight.com:direct-daylight-game
```

---

This will create a new folder named `direct-daylight-game` and download the project into that folder.

### 1.5 Git basics

Now that you have a copy of the project files, you can start editing the files. The following section covers how to **commit** and **push** those changes so that it can be viewed by everyone on the team.

1. `git add .`
2. If this is your first time using git you will also need to run the following commands. Replace the email and name with your real email and name.
  - (a) `git config --global user.email username@email.com`
  - (b) `git config --global user.name "name"`
3. `git commit -m "commit message"`
4. `git push origin master`

To pull changes, run `git pull origin master`

## 2 Trello

Trello is an app used for organising and planning out tasks. At each weekly meeting, tasks will be reviewed and assigned.

- Sign up for Trello at <https://trello.com>
- Accept the invitation to the Trello board at <https://trello.com/invite/b/CW6IRbz0/b1605676bf57e5327f3cd156d03979d7/direct-daylight-game>
- You can now view and edit the Trello board at <https://trello.com/b/CW6IRbz0>