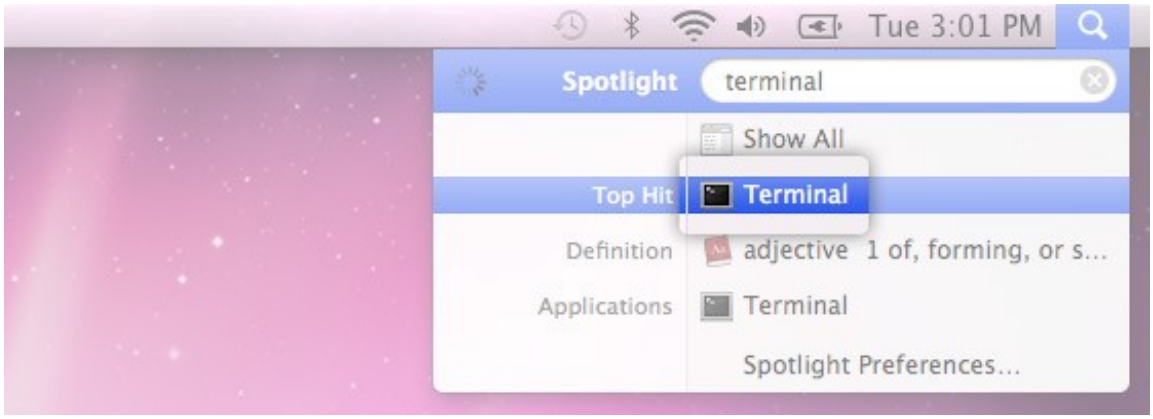
Set Up SSH Keys

We use SSH keys to establish a secure connection between your computer and our servers. Setting them up is fairly easy, but does involve a number of steps.

To make sure you generate a brand new key, you need to check if one already exists. First, you need to open Terminal.app, usually found at /Applications/Utilities.



1. **Check for SSH keys.** *Have an existing key pair? You can skip to Step 4*

   First, we need to check for existing ssh keys on your computer:

   ```
   $ cd ~/.ssh
   ```

   If it says “No such file or directory“ skip to **step 3**. Otherwise continue to **step 2**.

2. **Backup and remove existing SSH keys.**

   Since there is already an SSH directory you’ll want to back up the old one up and remove it:

   ```
   $ ls
   config id_rsa id_rsa.pub known_hosts
   $ mkdir key_backup
   $ cp id_rsa* key_backup
   $ rm id_rsa*
   ```

3. **Generate a new SSH key.**

   To generate a new SSH key, enter the code below. We want the default settings so when asked to enter a file in which to save the key, just press enter.

   ```
   $ ssh-keygen -t rsa -C "your_email@youremail.com"
   Generating public/private rsa key pair.
   Enter file in which to save the key
   (/Users/your_user_directory/.ssh/id_rsa):<press enter>
   ```

Now you need to enter a passphrase.

```
Enter passphrase (empty for no passphrase):<enter a passphrase>
Enter same passphrase again:<enter passphrase again>
```

Which should give you something like this:

```
Your identification has been saved in
/Users/your_user_directory/.ssh/id_rsa.
Your public key has been saved in
/Users/your_user_directory/.ssh/id_rsa.pub.
The key fingerprint is:
01:0f:f4:3b:ca:85:d6:17:a1:7d:f0:68:9d:f0:a2:db user_name@username.com
The key's randomart image is:
+--[ RSA 2048]----+
|     .+   +      |
|       = o O .   |
|        = * *    |
|       o = +     |
|      o S .      |
|     o o =       |
|      o . E      |
|                 |
|                 |
+-----------------+
```

4. **Send us your SSH key.**

```
$ cp ~/.ssh/id_rsa.pub ~/Desktop
```

Your new key should now be on your desktop, please email this key to jobs@codeheroes.com.au