

## Setting up Eclipse to use Git

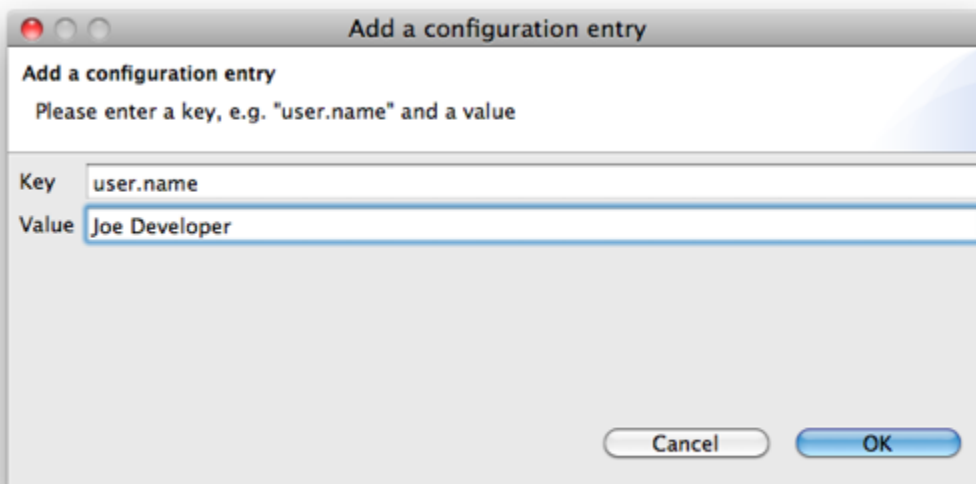
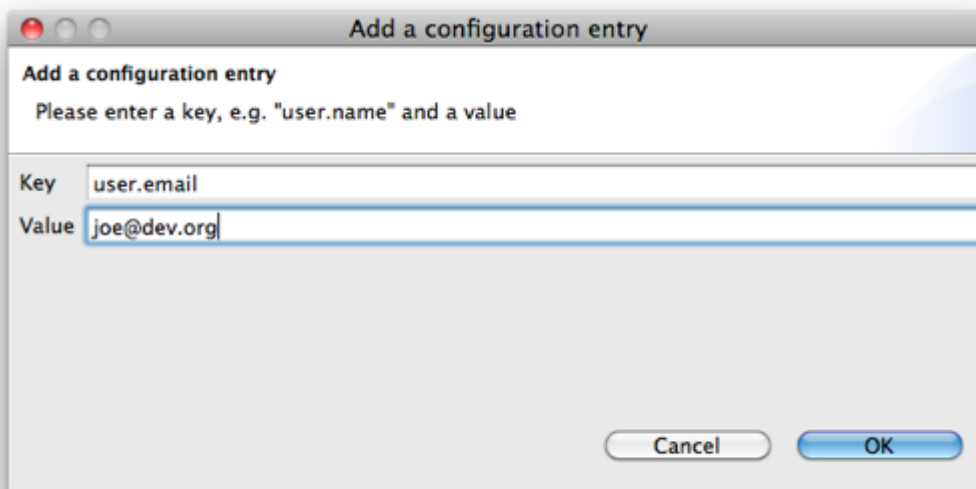
Before using Git in Eclipse for the first time, you should do the following.

### Identifying yourself

Whenever the history of the repository is changed (technically, whenever a commit is created), Git keeps track of the user who created that commit. The identification consists of a name (typically a person's name) and an e-mail address. This information is stored in file `~/.gitconfig` under dedicated keys.

You can define your name and email address using the Git configuration:

- Click **Window > Preferences > Team > Git > Configuration**
- Click **New Entry** and enter the key value pairs `user.email` and `user.name`



*References:*

*EGit Tutorial, Helming & Koegel, January 2013*

*EGit/User Guide, Eclipse Foundation*

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### Setting up the Home Directory on Windows

Add the environment variable `HOME` to your environment variables.

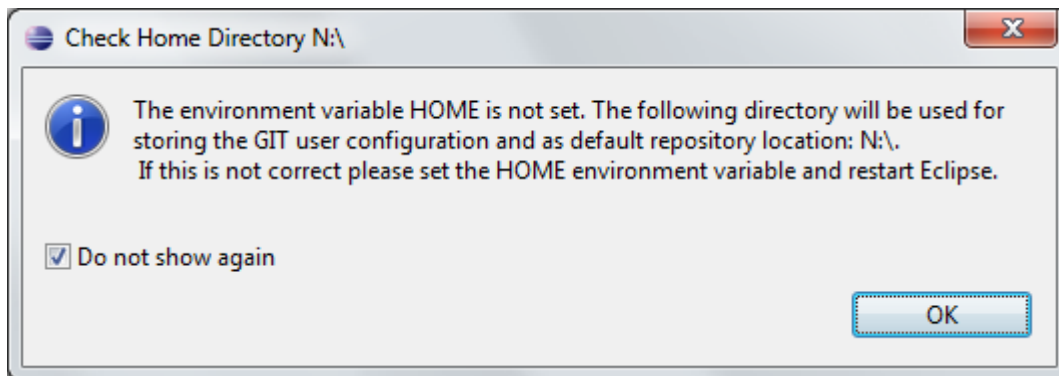
1. In Windows 7, type "environment" at the start menu.
2. Select "Edit environment variables for your account".
3. Under "User Variables", click the "New" button.
4. Enter "HOME" in the name field.
5. Enter "%USERPROFILE%" or some other path in the value field.
6. Click OK, and OK again. You have just added the Home directory on Windows.
7. File > Exit, then restart the application.

EGit needs this path for looking up the user configuration (.gitconfig). `HOME` should point to your home directory e.g. `C:\Users\Tom`. **Ensure correct case!** E.g. `C:\users` instead of `C:\Users` may cause problems!

If the `HOME` variable is not defined the home directory will be calculated by concatenating `HOMEDRIVE` and `HOMEPATH`.

If both `HOME` and `HOMEDRIVE` are not defined `HOMESHARE` will be used.

EGit shows a warning if `HOME` is not defined explicitly. Keep in mind that if you set the HOME environment variable while Eclipse is running, you will still see following warning. You will have to restart Eclipse for it to recognize the HOME value.



### Pointing out the System wide configuration

If you use Git for Windows as a companion to EGit, make sure EGit knows where Git is installed so it can find the "system wide settings", e.g. how `core.autocrlf` is set. Go to the settings and look under Team>Git>Configuration and then the System Settings tab.

If you selected one of the options to use Git from the Command Line Prompt when you installed Git for Windows, then the location of the system wide settings is filled in with a path and everything is fine. If not, use the Browse button to locate where Git is installed, e.g. `C:\Program Files(x86)\Git`.

## Eclipse SSH Configuration

It's not clear whether you really need to do the following, but probably can't hurt.

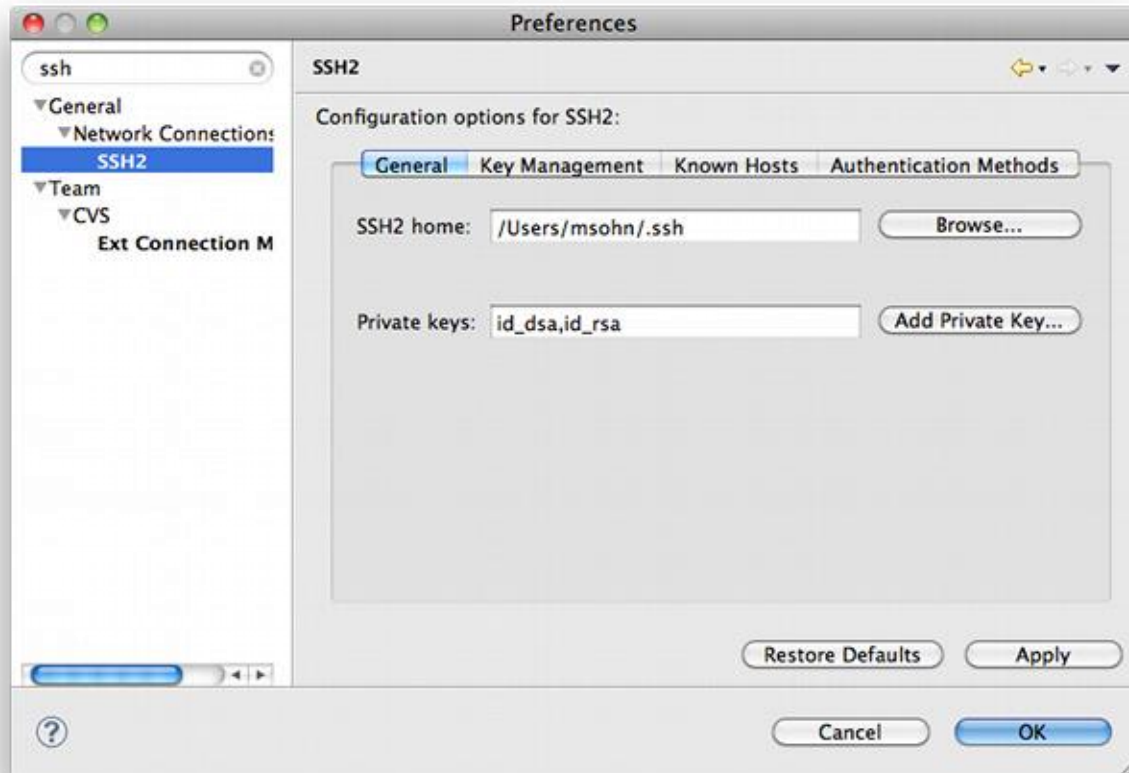
*References:*

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*EGit/User Guide, Eclipse Foundation*

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- Open the Eclipse Preference Dialog (**Window > Preferences**). Navigate to and expand the Network Connections option and select SSH. Ensure that your SSH2 home is configured correctly (usually this is `~/ .ssh`) and contains your SSH2 keys:



- if you don't have SSH keys yet you may generate them on the second tab of this dialog (**Key Management**). Use a good pass phrase to protect your private key, for more details see ["working with key passphrases"](#).
- upload your public SSH key to your [GitHub account settings](#).