

# Using Git Integration

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With the Git integration enabled, you can perform basic Git operations from inside IntelliJ IDEA.

The information provided in the topics listed below assumes that you are familiar with the basics of Git version control system.

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## Prerequisites

- [Git](#) is installed on your computer.

It is strongly recommended that you use version 1.7.1.1 or higher.

- The location of the Git executable file is correctly specified on the [Git](#) page of the **Settings** dialog box.
- Git [integration is enabled](#) for the current project root or directory.

- If you are going to use a remote repository, create a Git hosting account first. You can access the remote repository through the username/password and keyboard interactive authentication methods supported by the Git integration or through a pair of ssh keys.

Please note the following:

1. ssh keys are generated outside IntelliJ IDEA. You can follow the instructions from <http://inchoo.net/tools/how-to-generate-ssh-keys-for-git-authorization/> or look for other guidelines.
2. Store the ssh keys in the [home\\_directory](#) \.ssh\ folder. The location of the [home directory](#) is defined through [environmental variables](#):
  - HOME for [Unix-like](#) operating systems.
  - userprofile for the Microsoft Windows operating system.
3. Make sure, the keys are stored in files with correct names:
  - id\_rsa for the private key.
  - id\_rsa.pub for the public key.
4. IntelliJ IDEA supports a standard method of using multiple ssh keys, by means of creating .ssh/config file.

## Git support

- When the Git integration with IntelliJ IDEA is enabled, the **Git** item appears on the **VCS** menu, and on the context menus of the Editor and Project views.
- The files in the folders under the Git control are highlighted according to their status. See [File Status Highlights](#) for file status highlighting conventions.
- Results of modifications show in the [Changes tool window](#).
- When using the Git integration, it is helpful to open the [Version Control](#) tool window. Its [Console](#) tab displays the following data:
  - All the commands generated based on the settings you specify through the IntelliJ IDEA user interface.
  - Information messages concerning the results of executing generated Git commands.
  - Error messages.

## See Also

Procedures:

- [Version Control with IntelliJ IDEA](#)

Reference:

- [Git Reference](#)
- [Git](#)

External Links:

- <http://git.or.cz/>

Web Resources:

- [Developer Community](#)