Author

Jan Wojewoda

Git



Git Init

`$ git init` - transform the current directory into a Git repository

`$ git init [direc tory]` - create an empty Git repository in the specified directory

Git Clone

`$ git clone [repo]` - clone the repository located at [repo] onto the local machine

`$ git clone [repo] [direc tory]` - clone the repository located at [repo] into the folder called [directory] on the local machine

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[repo]:
/path/to/repo.git/
file:///path/to/repo.git/
ssh://[user@]host.xz[:port]/path/to/repo.git/
http[s]://host.xz[:port]/path/to/repo.git/
ftp[s]://host.xz[:port]/path/to/repo.git/
rsync://host.xz/path/to/repo.git/

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Git Config

`$ git config user.name [name]` - define the author [name] to be used for all commits in the current repository

`$ git config --global user.name [name]` - write to global ~/.gitconfig file rather than the repository .git/config

`$ git config --global user.email [email]` - define the author email to be used for all commits by the current user

`$ git config --global alias.[ al ias -name]` - create a shortcut for a Git command

`$ git config -system core.e ditor [editor]` - define the text editor used by commands like `git commit`

`$ git config --global --edit` - open the global configuration file in a text editor for manual editing

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Git stores configuration options in three separate files, which lets you scope options to individual repositories, users, or the entire system:

* [repo]/.git/config – repository-specific settings

* ~/.gitconfig – user-specific settings. This is where options set with the --global flag are stored

* $(prefix)/etc/gitconfig – system-wide settings

Git Add

`$ git add [file]` - stage all changes in for the next commit

`$ git add [direc tory]` - stage all changes in for the next commit

`$ git add -p [file]` - begin an interactive staging session that lets you choose portions of a file to add to the next commit

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