Working with Git using Windows

## Setting up Git for windows

1. Install git for windows link:  
   - <http://gitforwindows.org/>
2. Go to “ C:/Program Files/Git/bin/ “ and run the “ sh.exe “ file
3. Check the git version installed:  
   - $ git –version
4. Checking for existing ssh keys:  
   - $ ls -al ~/.ssh
5. Generating a new ssh key pair:  
   - $ ssh-keygen –t rsa –C “Your\_Email\_Address”
6. Copy the ssh public key:  
   - $ cat ~/.ssh/id\_rsa.pub | clip
7. start the ssh-agent in the background  
   - $ eval $(ssh-agent -s)
8. Adding your ssh key to the ssh-agent:  
   - $ ssh-add ~/.ssh/id\_rsa
9. Testing your ssh connection:  
   - $ ssh -T [git@github.com](mailto:git@github.com)

## Start working with git

1. Create new repository on github
2. Open the terminal and check for your identity:  
   - $ git config --global --list   
   # This command outputs your “user.name” and “user.email”  
   # If you don’t have configured your identity yet. First Configure it as follows:  
     
   Add your username and Email:  
    - $ git config --global user.name “Your\_Username”  
    - $ git config --global user.email “Your\_Email\_Address”  
     
   Now run this command: - $ git config --global –list to verify your identity
3. Next Go to “ C:/xampp/htdocs/Your\_Project\_Directory”  
   - $ cd xampp/htdocs/ Your\_Project\_Directory
4. Now run the following commands:  
   - $ git init  
   - $ git remote add origin Your\_SSH\_Link (e-g; git@github.com:Your\_Name/Your\_Dir\_Name.git)  
   - $ git add .  
   - $ git commit -m “Your\_Commint”  
   - $ git push origin master

## More git useful commands:

1. Removing Files from gilt repo. While keeping them locally:  
   -$ git rm -rf --cached $FILES
2. Restore working tree (locally) deleted files while not committed  
   - $ git reset --hard
3. Apply gitignore on an existing repository already tracking large number of files  
   - $ git rm -r --cached .  
   - $ git add .  
   - $ git commit -m “.gitignore is now working”
4. List all files and directories using cmd:  
   - $ dir
5. List all files and directories with permissions using cmd:  
   - $ dir /Q
6. Creating virtual hosts on apache using windows. Follow the link (4) given in resources.

Resources:

1. <https://help.github.com/articles/connecting-to-github-with-ssh/>
2. <https://fossbytes.com/complete-windows-cmd-commands-list-index/>
3. <https://www.atlassian.com/git/tutorials/gitignore>
4. <http://foundationphp.com/tutorials/apache_vhosts.php>

to delete files from repository…

git rm --cached -r \*.zip \*.rar wp-content/ai1wm-backups/

**1. Install Git**

To install Git on Windows:

1. Download [msyGit package](http://msysgit.github.io/)
2. Follow the simple steps in installation wizard and install Git to default location
3. Add path to Git bin folder to your Environment Variables
4. You may want to try [TortoiseGit](http://support.beanstalkapp.com/article/886-using-tortoisegit-with-beanstalk) – the best GUI client on Windows.

Check out our guide on [working with Git on Windows](http://guides.beanstalkapp.com/version-control/git-on-windows.html?utm_campaign=help_page&utm_source=app) and [good GUI clients](http://guides.beanstalkapp.com/version-control/clients.html?utm_campaign=help_page&utm_source=app).

**2. Configure Git**

We recommend to configure Git with your name and email. Run the following commands:

git config --global user.name "RAO Bilal"

git config --global user.email "rao.bilal@gems.techverx.com"

**3. Start using Git**

You can clone this repository, start from scratch or even import another Subversion or Git repository. See an example of each option below:

* [Clone this repository and push your files](https://annei.beanstalkapp.com/repositories/mairie-cernay/help)
* git clone https://annei.git.beanstalkapp.com/mairie-cernay.git -o beanstalk
* cd mairie-cernay
* # Copy your project files to the directory
* ...
* git add .
* git commit -m "Importing existing files"

git push beanstalk master

* [Import (clone) an existing SVN repository](https://annei.beanstalkapp.com/repositories/mairie-cernay/help)
* git svn clone http://subversion-repository-url.com/repository mairie-cernay
* cd mairie-cernay
* git remote add beanstalk https://annei.git.beanstalkapp.com/mairie-cernay.git

git push beanstalk master

* [Move an existing Git repository](https://annei.beanstalkapp.com/repositories/mairie-cernay/help)
* cd my-git-repo
* git remote add beanstalk https://annei.git.beanstalkapp.com/mairie-cernay.git

git push beanstalk --all

**Tip** For convenience, learn how to [make Git remember your password](http://support.beanstalkapp.com/article/856-how-do-i-make-git-remember-my-credentials).

**Need more help?**

Read the [Beanstalk Guides](http://guides.beanstalkapp.com/?utm_campaign=help_page&utm_source=app) for best practices on version control, deployments and collaboration or our article on [getting started with Git](http://support.beanstalkapp.com/article/848-getting-started-with-git-creating-your-repository) for articles, tutorials and books. You can also [contact support](https://annei.beanstalkapp.com/support_requests/new) at any time.