

# Github - SSH

Pre-requisite: Ensure that you have installed Git for Windows from URL <https://git-scm.com/download/win>

## Connecting to Github from local system using Git Bash

Description	Command	Response
Creating a new SSH key This creates a new ssh key, using the provided email as a label.	ssh-keygen -t rsa -b 4096 -C "raghupoolla@gmail.com"  <i><u>Please replace with your emailId</u></i>	Generating public/private rsa key pair
When you're prompted to "Enter a file in which to save the key," press Enter. This accepts the default file location.	Enter a file in which to save the key (/c/Users/you/.ssh/id_rsa):[Press enter]	
At the prompt, type a secure passphrase or press ENTER		Enter passphrase (empty for no passphrase): [Type a passphrase] Enter same passphrase again: [Type passphrase again]
start the ssh-agent in the background	eval "\$(ssh-agent -s)"	Agent pid 9048
Add your SSH private key to the ssh-agent. If you created your key with a different name, or if you are adding an existing key that has a different name, replace id_rsa in the command with the name of your private key file.	ssh-add ~/.ssh/id_rsa	
Copy the SSH key to your clipboard.	clip < ~/.ssh/id_rsa.pub	copies the contents of the id_rsa.pub file to your clipboard
<ul style="list-style-type: none"><li>• In the user settings sidebar, click SSH and GPG keys.</li><li>• Click New SSH key or Add SSH key.</li><li>• In the "Title" field, add a descriptive label for the new key. E.g. <b>raghu_windows_client</b></li><li>• Paste your key into the "Key" field.</li><li>• Click Add SSH key.</li><li>• If prompted, confirm your GitHub</li></ul>		

password.		
	ssh -T -ai ~/.ssh/id_rsa git@github.com  ssh -T -p 443 git@ssh.github.com	You've successfully authenticated, but GitHub does not provide shell access.