Git on MS Windows

I'm no fan of that OS but still some people are working with it - so here is a short installation tutorial for working with git on a ms windows machine.

Software

You have to install three software packages:

- PuTTy: for the ssh connection and for generating ssh key pairs (http://the.earth.li/~sgtatham/putty/latest/x86/putty-0.61-installer.exe)
- msysGit: provides git for windows (http://msysgit.googlecode.com/files/msysGit-fullinstall-1.7.6-preview20110708.exe)
- TortoiseGit: a nice integration of the git commands into the Windows Explorer (like Tortoise SVN for Subversion) (http://code.google.com/p/tortoisegit/downloads/list) note that there is a 32-Bit and 64-Bit msi installer.

Video Tutorials

PuTTY Installation and Key Generation

msysGit installation

TortoiseGit installation

TortoiseGit Configuration

Clone a Git Repository

```
clone a git repository and add a file to the local repository...
```

Commit, Push and Pull

```
commit local changes to the local repository and push the changes to the iis
server.
check for update with git pull.
```

Generating a ssh key-pair

- start puttygen.exe
- press generate and move your mouse in the small screen
- optional and i don't know if TortoiseGit can handle passphrase protected keys: you can type in a passphrase to protect your key - then you will be asked for it every time you connect
- save private and public key

Create a empty git repository

Create a local repository - open Windows Explorer:

- Create an empty folder and right-click into it.
- Choose “Git Create repository here”
- Create repository

Repository Settings (right click and go to repository settings)

1. Git → Config
    - set your username
    - set your email
    - set your full name

1. Git → Remote (and click on “Add new”)
    - insert url: ssh:/ /username@iis.uibk.ac.at:2222/projects/git/REPONAME
    - PuTTy Key: select the private key you generated

Pulling a Repository

right click on the directory (git repository)

- in the Tortoise-Git Menu select 'Pull'
- for 'remote' select 'origin'
- check 'AutoLoad Putty Key'
- for 'Remote Branch' select or type 'master'

If you want some screenshots and/or a more detailed installation tutorial with screen-shots - have a look at http://dbanck.de/2009/10/08/github-windows-and-tortoisegit-part-1-installing-pulling/

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https://iis.uibk.ac.at/ - **IIS**

Permanent link:
https://iis.uibk.ac.at/collab/git-ms?rev=1319729638

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