

Git

WHAT IS GIT?

Version Control System (VCS) for tracking changes in computer files



- ✓ Distributed version control
- ✓ Coordinates work between multiple developers
- ✓ Who made what changes and when
- ✓ Revert back at any time
- ✓ Local & remote repos

CONCEPTS OF GIT

- ✓ **Keeps track of code history**
- ✓ **Takes “snapshots” of your files**
- ✓ **You decide when to take a snapshot by making a “commit”**
- ✓ **You can visit any snapshot at any time**
- ✓ **You can stage files before committing**

BASIC COMMANDS

- **\$ git init** // Initialize Local Git Repository
- **\$ git add <file>** // Add File(s) To Index
- **\$ git status** // Check Status Of Working Tree
- **\$ git commit** // Commit Changes In Index
- **\$ git push** // Push To Remote Repository
- **\$ git pull** // Pull Latest From Remote Repository
- **\$ git clone** // Clone Repository Into A New Directory

INSTALLING GIT

- ✓ **Linux (Debian)**

```
$ sudo apt-get install git
```

- ✓ **Linux (Fedora)**

```
$ sudo yum install git
```

- ✓ **Mac**

<http://git-scm.com/download/mac>

- ✓ **Windows**

<http://git-scm.com/download/win>

Delete GitHub login information

The screenshot shows the Windows Credential Manager application. The left sidebar is open, displaying a search for 'credential' with results under 'Programs (1)', 'Settings (4)', 'Documents (3)', and 'Files (194)'. The 'Settings (4)' section is expanded, and 'Credential Manager' is selected, with a tooltip that reads 'Manage your Windows credentials.' The main window title is 'Credential Manager' and the address bar shows the path 'Control Panel > All Control Panel Items > Credential Manager'. The main content area is titled 'Manage your credentials' and includes instructions: 'View and delete your saved log-on information for websites, connected applications and networks.' There are two main sections: 'Web Credentials' and 'Windows Credentials'. Under 'Web Credentials', there are links for 'Back up Credentials' and 'Restore Credentials'. Under 'Windows Credentials', there is a link to 'Add a Windows credential' and the text 'No Windows credentials.' Under 'Certificate-Based Credentials', there is a link to 'Add a certificate-based credential' and the text 'No certificates.' Under 'Generic Credentials', there is a link to 'Add a generic credential' and a list of credentials:

Generic Credentials	Modified
git:https://github.com	Modified: Today
MicrosoftAccount:user=kocsisger@gmail.com	Modified: 2017.01.13.
Slack/tokens	Modified: Today
virtualapp/didlogical	Modified: 2019.02.19.

The bottom of the window shows a search bar with 'credential' entered, a 'Shut Down' button, and a 'Computer' icon in the system tray.