

Utilities commands

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GIT

- `git clone https://github.com/iburn78/documentation`
- `git init`
- `git add <file name>`
- `git commit <file name>`
- `git status`
- `git push`
- `git pull` (once git is cloned, pull checks updates)
- `git config credential.helper store` # enables to save id/pwd in local git
- `git rm -r <directory>` to remove all its contents and directory (then commit has to be executed)

Docker

- `docker pull <image name>` (from Docker Image Repository or Docker hub)
- `docker images`
- `docker ps -a`
- `docker start <container id>`
- `docker attach <container id>`
- `ctrl+p q`: escape from the container
- (once escaped) enter with `$docker attach <container id>`
- `docker run -i -t <image name> /bin/bash` # e.g., `$ docker run -i -t continuumio/miniconda3 /bin/bash`
- To save a image:
 - `$ docker ps -a`
 - `$ docker commit <container id> <new image name>:<tag>` # e.g., `$ docker commit <container id> mlearn:init`
 - `$ docker run -i -t mlearn:init /bin/bash` /# “/bin/bash” might be skipped
- To mount a folder (e.g., home)
 - `$ docker run -i -t -v /c/Users/andy.kim/docker_home:/docker_home_in_image mlearn:init /bin/bash`
- To enable HTTP server environment use -p option: `$ docker run -it -v HOME :HOME -p 8080:8080 mlearn:init /bin/bash`
- The docker flow:
 - Docker containers preserve its settings even stopped
 - Mounted folders in containers are not preserved
 - Images are snapshots of containers that are saved

Tmux

- `ctrl+b, c`: create window
- `ctrl+b, w`: list windows
- `ctrl+b, n p`: next / previous window
- `ctrl+b, &`: kill window
- `ctrl+b, , f`: name / find window

- ctrl+b, % “: vertical / horizontal split
- ctrl+b, o: switch pane
- ctrl+b, <space>: toggle between layouts