Project môn HDH MNM

Nghiên cứu Docker và xây dựng ứng dụng chia sẻ ảnh, với các ảnh được phân vào các group

- Tìm hiểu kiến thức docker, container, docker image, docker compose và ứng dụng của chúng
- Chạy ứng dụng dùng docker

Tham khảo:

- https://vicloud.vn/community/cai-dat-va-lam-quen-voi-viec-su-dung-docker-552.html
- https://viblo.asia/p/cac-khai-niem-trong-docker-va-thuc-hanh-xay-dung-1-ung-dung-bang-docker-co-b an-XL6lANEm5ek
- <u>http://bloghoctap.com/technology/trien-khai-moi-truong-web-bang-docker.html</u>
- https://paper.dropbox.com/doc/Docker-basics--Aa~CmDe6~~LMfpoKvieLV14~AQ-px5u9Q7pU59C ktXokKODc?fbclid=IwAR0H_ISNr-nXsaQkjwdpcJoGftcuOO2AlYiOS1BpTuKvEkaFkOmXB5MvY y4
- https://vimentor.com/vi/lesson/docker-container-va-cac-ung-dung-trong-kien-truc-microservice
- https://vimentor.com/vi/lesson/4-docker-container-va-cac-ung-dung-trong-kien-truc-microservice-pha n-2

Nghiên cứu Docker và xây dựng ứng dụng chia sẻ ảnh, với các ảnh được phân vào các group

- Step 1: Tạo một trang web chia sẻ ảnh (dùng Wordpress). Tham khảo các trang web chia sẻ ảnh phổ biến (giao diện, bố cục,...) ie. Flickr, photo google, photobucket, dropbox
 - Tìm hiếu Wordpress+LAMP và cách tạo web
 - https://www.slideshare.net/ThuyetNguyen11/bo-co-mn-m-ngun-m
 - https://nguyenhuuhoang.com/huong-dan-cai-dat-wordpress-tren-lamp-server-ubuntu-16-0
 4/
 - http://websitechuyennghiep.vn/huong-dan-cach-tao-website-bang-wordpress.html
 - http://dreamlib.vn/index.php?threads/h%C6%B0%E1%BB%9Bng-d%E1%BA%ABn-c%C3%AAn-ubuntu-qua-terminal-th%C3%ADch-h%E1%BB%A3p-cho-ubuntu-server.1026/
 - https://www.hostinger.vn/huong-dan/lam-the-nao-de-cai-dat-wordpress/
- Step 2: Chạy ứng dụng dùng docker container

Việt hóa ứng dụng xem phim, nghe nhạc

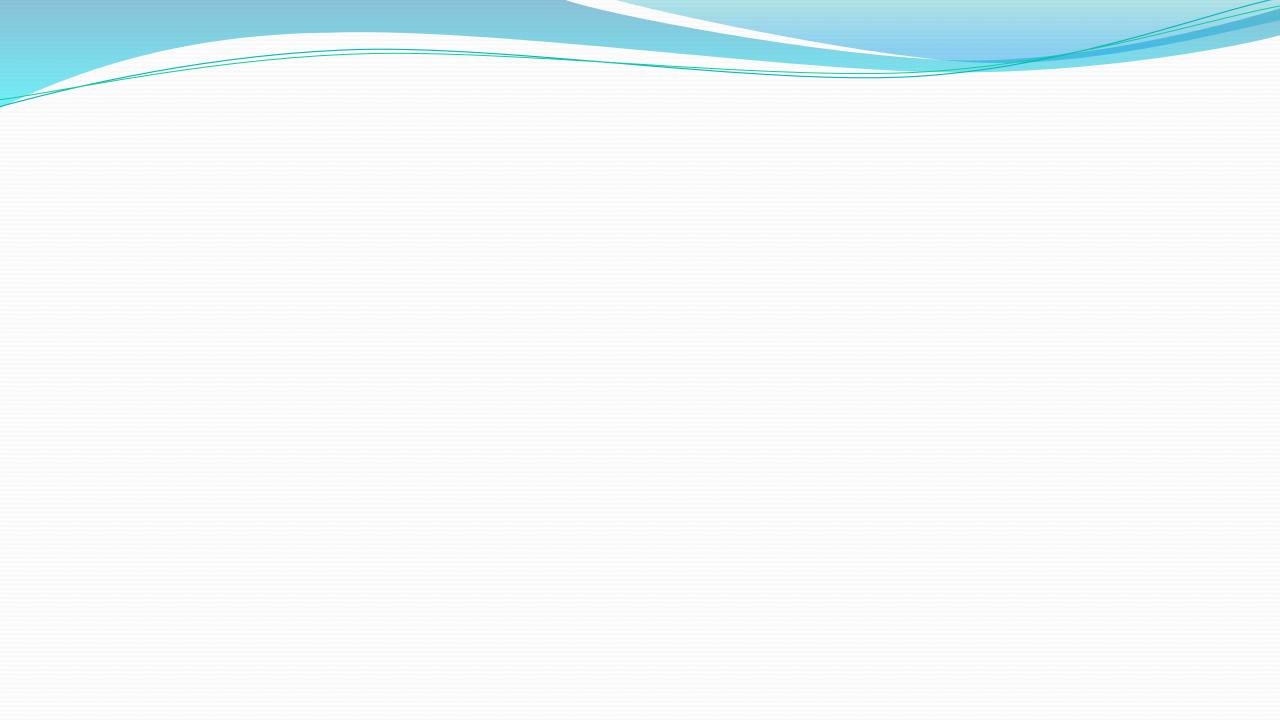
- Tåi source VLC
- Compile and Build
- Việt hóa
- https://wiki.videolan.org/Category:Building/
- https://wiki.videolan.org/UnixCompile/

Tạo trình duyệt riêng Việt ngữ (từ mã nguồn Chrome)

- Tìm hiểu Chromium
- Tải về chromium và compile/build
- * Sau đó việt hóa và compile
- https://www.chromium.org/developers/how-tos/get-the-code
- https://chromium.googlesource.com/chromium/src/+/master/docs/linux_build_i nstructions.md
- https://quantrimang.com/chromium-va-chrome-khac-nhau-nhu-the-nao-124243
- https://www.hiroom2.com/2017/08/11/ubuntu-1604-chromium-en/

Xây dựng Ide giống Eclipse (việt hóa)

- Tìm hiểu IDE
- Tåi Eclipse IDE
- Compile và Run
- Sau đó việt hóa và compile
- https://archive.eclipse.org/eclipse/downloads/drops/R-3.2.2-200702121330/srcIncludedBuildInstructions.html
- https://archive.eclipse.org/eclipse/downloads/drops/R-3.3-200706251500/srcIncludedBuildInstruction-s.html
- https://wiki.eclipse.org/Linux Tools Project/Eclipse Build
- https://www.slideshare.net/LarsVogel/eclipse-committerin20minutes
- https://www.vogella.com/tutorials/EclipsePlatformDevelopment/article.html
- https://wiki.eclipse.org/Babel
- <u>https://download.eclipse.org/technology/babel/babel_language_packs/R0.16.0/oxygen/oxygen.php</u>



Build Chromium

- https://chromium.googlesource.com/chromium/src/+/master/docs/linux_build_i nstructions.md
- Yêu cầu cài python 2. Set PATH
- Clone depot_tools ve thu muc home (~)
 git clone https://chromium.googlesource.com/chromium/tools/depot_tools.git
 - Mo file ~/.bashrc va past vao cuoi file
 export PATH="\$PATH:\${HOME}/depot tools"

Build Chromium

- Tåi source chromium
 mkdir ~/chromium && cd ~/chromium
 fetch --nohooks chromium
- Nếu bị lỗi checkout thì dùng git config –global ~/depot_tools/update_depot_tools gclient sync hoặc python2 gclient.py sync

```
Update your checkout

To update an existing checkout, you can run

$ git rebase-update
$ gclient sync
```

```
11:55 🔃 Le Tan Da
                                                                                        dattt@lythuongkiet: ~/depot_tools
 41:10] Still working on
41:10] src
:41:20] Still working on:
:41:20] src
:41:30] Still working on:
0:41:30] src
:41:40] Still working on:
0:41:40] src
 :41:50]   src
solving deltas: 100% (9766184/9766184), done
 :42:00] Still working on:
 :42:00] src
ecking connectivity... done
1:42:10] Still working on:
1:42:10] src
9:42:20] Still working on:
9:42:20] src
1:42:30] Still working on:
1:42:30] src
9:42:40] Still working on:
9:42:40] src
 :42:50] Still working on:
:42:50] src
ncing projects: 0% ( 0/ 2)
:42:57] Still working on:
    ng projects: 84% (90/107) src/third_party/angle/third_party/rapidjson/src
```

Build Chromium

cd src
./build/install-build-deps.sh
gclient runhooks hoặc python2 gclient.py runhooks
Nếu bi lỗi

assertionError

Error: Command '/usr/bin/python src/third_party/binutils/download.py' returned non-zero exit status 1 in /home/dattt/depot_tools

Error: Command '/usr/bin/python src/third_party/binutils/download.py' returned non-zero exit status 1 in /home/dattt/depot_tools

dattt@lythuongkiet:~/depot_tools\$ \$PATH

bash: /home/dattt/depot_tools:/home/dattt/depot_tools:/home/dattt/depot_tools:/home/dattt/bin:/home/dattt/local/bin:/home/dattt/local/bin:/home/dattt/local/bin:/local/bin:/local/bin:/local/bin:/span/bin:/local/bin:/usr/sbin:/local/bin:/usr/local/games:/usr/local/games:/usr/local/cuda/bin:/snap/bin:/home/dattt/depot_tools:/home/dattt/depot_tools:/local/cuda/bin:/snap/bin/python:/usr/bin/python: No such file or directory

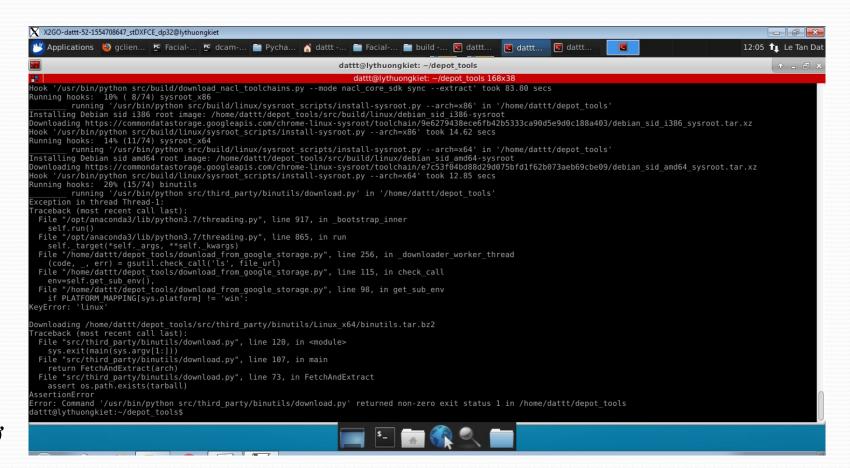
dattt@lythuongkiet:~/depot_tools\$

download_from_google_storage --no_resume --no_auth --bucket chromium-binutils -s /opt/chromium/src/third_party/binutils/Linux_x64/binutils.tar.bz2.sha1

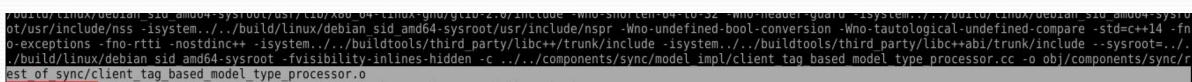
Hoặc
python2 download_from_google_storage.py --no_resume --no_auth --bucket chromium-binutils -s /opt/chromium/src/third_party/binutils/Linux_x64/binutils.tar.bz2.sha1

* thay đổi đường dẫn

 Lõi download.py tại binutils



Không đủ bộ nhớ



fatal error: error in backend: IO failure on output stream: No space left on device ninja: build stopped: subcommand failed.

Build chromium

gn gen out/Default

 Build autoninja -C out/Default chrome

ninja: build stopped: subcommand failed.
dattt@lythuongkiet:~/depot_tools/src\$ autoninja -C out/Default chrome
/home/dattt/depot_tools/ninja -C out/Default chrome
ninja: Entering directory `out/Default'
[10519/20840] CXX obj/extensions/browser/api/storage/storage/weak_unlimited_settings_storage.o

Run: cd out/Default

./chrome