Lỗi và Giải Pháp

- DISPLAY và DNS puppeteer trên vagrant virtualbox
- Yarn Command vs NPM Command
- Error while loading shared libraries: libnss3.so

DISPLAY và DNS puppeteer trên vagrant virtualbox

Lỗi thường gặp:

- **Missing X server or $DISPLAY**
- **Unable to open X display**
- **Could not find Chrome (ver....)**

```
npm install puppeteer

sudo apt-get install libnss3-dev

sudo apt-get install -y gconf-service libasound2 libatk1.0-0 libc6 libcairo2 libcups2 libdbus-1-3 libexpat1 libfontconfig1 libgcc1 libgconf-2-4 libgdk-pixbuf2.0-0 libglib2.0-0 libgtk-3-0 libnspr4 libpango-1.0-0 libpangocairo-1.0-0 libstdc++6 libx11-6 libx11-xcb1 libxcb1 libxcomposite1 libxcursor1 libxdamage1 libxext6 libxfixes3 libxi6 libxrandr2 libxrender1 libxss1 libxtst6 ca-certificates fonts-liberation libappindicator1 libnss3 lsb-release xdg-utils wget libgbm-dev

sudo apt-get install -y xvfb

sudo apt-get -y install xorg xvfb gtk2-engines-pixbuf
sudo apt-get -y install dbus-x11 xfonts-base xfonts-100dpi xfonts-75dpi xfonts-cyrillic xfonts-scalable

sudo apt-get -y install imagemagick x11-apps

Xvfb -ac :99 -screen 0 1280x1024x16 &
export DISPLAY=:99
```

Lỗi DNS error:

- **ERR! code EAI_AGAIN**
- **ERR! request to https://registry.npmjs.org/puppeteer failed, reason: getaddrinfo EAI_AGAIN registry.npmjs.org**

```
npm config rm proxy

npm config rm https-proxy --tried removing npm proxy

sudo vi /etc/resolv.conf
```

Điền thêm dns name resolver vào, bên dưới nameserver đầu tiên:

```
nameserver 127.0.0.53

nameserver 192.168.1.11


options edns0 trust-ad
```

Ref:

https://stackoverflow.com/questions/60304251/unable-to-open-x-display-when-trying-to-run-google-chrome-on-centos-rhel-7-5

Yarn Command vs NPM Command

Use the following command :

```
yarn add [package_name]
```

Comparing npm and Yarn Commands

Install dependencies

```
npm install => yarn
```

Install a package

```
npm install [package_name] => yarn add [package_name]
```

Install a package globally

```
npm install -g [package_name] => yarn global add [package_name]
```

Install a package as a development dependency

```
npm install --save-dev [package_name] => yarn add --dev [package_name]
```

Uninstall a package

```
npm uninstall [package_name] => yarn remove [package_name]
```

Uninstall a package globally

```
npm uninstall -g [package_name] => yarn global remove [package_name]
```

Uninstall a development dependency package

```
npm uninstall --save-dev [package_name] => yarn remove [package_name]
```

Update the dependencies

```
npm update => yarn upgrade
```

Update a package

```
npm update [package_name] => yarn upgrade [package_name]
```

Create a new package

```
npm init => yarn init
```

Run a script defined in the package.json

```
npm run => yarn run
```

Test a package

```
npm test => yarn test
```

Publish a package

```
npm publish => yarn publish
```

Remove all data from the cache

```
npm cache clean => yarn cache clean
```

Error while loading shared libraries: libnss3.so

Lỗi này thường xuất hiện khi bạn cài puppeteer trên ubuntu mới.

Thử command sau đây

```
sudo apt-get install libasound2
```

Không được thì thử cái này:

```
sudo apt install libgconf-2-4 libatk1.0-0 libatk-bridge2.0-0 libgdk-pixbuf2.0-0 libgtk-3-0 libgbm-dev libnss3-dev libx
```