Gob.mx / XRoad Source Code Compilation

@> cd $HOME/

Ubuntu Packages

@> sudo apt-add-repository -y ppa:openjdk-r/ppa
@> sudo apt-get update
@> sudo apt-get upgrade
@> sudo apt-get install -y curl software-properties-common
@> sudo apt-get install -y openjdk-8-jdk build-essential git zip unzip debhelper

XRoad Git Cloning

@> git clone https://github.com/GOBMX/xroad-source.git
@> cd xroad-source/src

XRoad Install generic dependencies

@>./prepare_buildhost.sh
@>./update_ruby_dependencies.sh

GEMS UPDATE

xroad-source@> find . -iname Gemfile.lock -exec rm -f {} \;

*Build Packages

@>./build_packages.sh

Compilation And Packages Building (without tests)

xroad-source/src@> ./gradlew --stacktrace buildAll xroad-source/src@> cd ./packages/xroad/
xroad-source/src/packages/xroad@> dpkg-buildpackage -tc -b -us -uc xroad-
source/src/packages/xroad@> cd ../xroad-jetty9/
xroad-source/src/packages/xroad-jetty9@> dpkg-buildpackage -tc -b -us -uc

Gob.mx / XRoad Base Installation

@> sudo add-apt-repository ppa:nginx/stable
@> sudo apt-get update
@> sudo apt-get install -y git curl apt-transport-https apt-utils net-tools
@> sudo apt-get install -y postgresql postgresql-contrib
@> sudo apt-get install -y nginx-light

XROAD-COMMON

@> sudo apt-get install -y rlwrap crudini ntp
xroad-src@> sudo dpkg -i ./packages/xroad-common...

XROAD-JETTY

xroad-src@> sudo dpkg -i ./packages/xroad-jetty...

Gob.mx / XRoad Central-Server Installation

XROAD-CENTER

xroad-src@> sudo apt-get install libmhash2
xroad-src@> sudo dpkg -i ./packages/xroad-center...

XROAD-CENTRAL-SERVER

xroad-src@> sudo dpkg -i ./packages/xroad-centralserver...

Gob.mx / XRoad Security-Server Installation

XROAD-PROXY

@> sudo apt-get install -y authbind
@> sudo dpkg -i ./packages/xroad-proxy...

XROAD-ADDON

sudo dpkg -i ./packages/xroad-addon-metaservices...
sudo dpkg -i ./packages/xroad-addon-messagelog...
sudo dpkg -i ./packages/xroad-monitor...
sudo dpkg -i ./packages/xroad-addon-proxymonitor...

XROAD-SECURITY-SERVER

xroad-src@> sudo dpkg -i ./packages/xroad-securityserver...

*Nota importante: Se puede utilizar el comando build_packages.sh o ejecutar de la sección
compilation and packages building

Troubleshooting

Posibles errores al compilar los paquetes

1) Si se genera el siguiente error de Java

```
Caused by: java.security.InvalidAlgorithmParameterException: the trustAnchors
parameter must be non-empty
```

Ejecutar el siguiente commando

```
sudo update-ca-certificates -f
```

Y después volver a ejecutar el comando build_packages.sh

2) Si se genera un error de una gema relacionada con postgresql como el siguiente:

center-ui:warble
warble aborted!
LoadError: Please install the postgresql adapter: `gem install activerecord-postgresql-adapter`
(pg is not part of the bundle. Add it to your Gemfile.)

Se debe ejecutar el script **remove-jgem-bundler.sh** y volver a ejecutar el comando
build_packages.sh