
E.S.L. Docker environnement Repo sync & Dev

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Struct

```
.
├── bin
│   ├── empty.sh
│   ├── gen.sh
│   ├── run.sh
│   └── sync.sh
├── data
├── define.conf -> .env
├── doc
│   ├── 0_define.png
│   ├── 1_help.png
│   ├── 2_image.png
│   ├── 3_image-gen.png
│   ├── 4_image-repo.png
│   ├── 5_repo.png
│   ├── 6_gen-connect.png
│   ├── 7_gen.png
│   ├── 8_all.png
│   └── tree.png
├── generate_env.sh
├── README.md
├── Template
│   ├── docker-compose.yml.gen
│   ├── docker-compose.yml.repo
│   ├── Dockerfile.gen
│   ├── Dockerfile.repo
│   └── function
└── 4 directories, 22 files
```

help

```
devbase-astierg@navalgroup-astierg]- /data/DOCKER/esl-devenv : $ ./generate_env.sh
./generate_env.sh [image/repo/esl/all]

* image      : Generate docker images
* image-gen  : Generate docker image for esl compiler
* image-repo : Generate docker image for repository sync
* repo       : start docker compose and generate repositories
* gen        : start docker compose and generate esl
* all        : Do everything
* run-gen    : Connect and run bash on instance gen
* run-repo   : Connect and run bash on instance repo
* stop       : stop all docker image
* ps         : print all docker image
```

Config File

```
1 devbase-astierg@navalgroup-astierg]- ~ : $ cat /data/DOCKER/
centos79repo/define.conf
2
3 #####
4 # Repository generator
5
6 # Version of image
7 RepoVers=1
8 # Centos Version
9 CentOSVersion=7.9.2009
10 # Sync repo script
11 Run=/bin/sync.sh
12 # Sync arg script
13 # * del : delete all local repo
14 # * debug : only start docker instance
15 # * empty : sync without delete
16 RunArg=del
17
18 #####
19 # EsL compiler
20
21 # Version of image
22 GenVers=1
23 # Programme local directory
24 ProgrammeDir=/data/GIT/ESL_PRODUIT
25 # Repositories Directory
26 RepoDir=./data/repo
27 # If auto gen script esl Else leave empty and only start docker
instance
28 GenScript=/data/gen.sh
```

Build Everything.

```
1 devbase-astierg@[navalgroup-astierg]- ~ : $ time /data/DOCKER/
   centos79repo/generate_env.sh all
2 Delete Dockerfile ... : OK
3 Delte old images gen ... : OK
4 generate Dockerfile gen ... : OK
5 Generate gen Docker image ... : OK
6
7 ----- Log Compil -----
8 /tmp/BuildDocker-gen.log
9 -----
10
11 Delete Dockerfile ... : OK
12 Delte old images repo ... : OK
13 generate Dockerfile repo ... : OK
14 Generate repo Docker image ... : OK
15
16 ----- Log Compil -----
17 /tmp/BuildDocker-repo.log
18 -----
19
20 Starting DOCKER repo ... : OK
21
22 ----- Log EsI -----
23 /tmp/RunDocker-repo.log
24 -----
25
26 Starting DOCKER gen ... : OK
27
28 ----- Log EsI -----
29 /tmp/RunDocker-gen.log
30 -----
31
32
33 real    29m43,812s
34 user    0m3,405s
35 sys    0m0,579s
```

Debug / Function

```
1 devbase-astierg@[navalgroup-astierg]- /data/DOCKER/ESL-devenv : $
   source Template/function
2 devbase-astierg@[navalgroup-astierg]- /data/DOCKER/ESL-devenv : $ cat
   Template/function | grep '()' | cut -d"(" -f1
3 TestEnv
4 Res
```

```
5 help
6 DeleteFile
7 DockerConnect
8 DockerPs
9 DockerStop
10 DeleteImg
11 DockerGen
12 DockerComposeRun
13 GenAll
```

Real life

define

```
devbase-astierg@navalgroup-astierg - /data/DOCKER/esl-devenv : $ cat define.conf
#####
# Repository generator

# Version of image
RepoVers=1
# Centos Version
CentOsVersion=7.9.2009
# Sync repo script
Run=/bin/sync.sh
# Sync arg script
# * del : delete all local repo
# * debug : only start docker instance
# * empty : sync whithout delete
RunArg=del

#####
# Esl compiler

# Version of image
GenVers=1
# Programme local directory
ProgrammeDir=/data/GIT/ESL_PRODUIT
# Repositories Directory
RepoDir=./data/repo
# If auto gen script esl Else leave empty and only start docker instance
GenScript=/data/gen.sh
```

image

```
👤devbase-astierg👤@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ time ./generate_env.sh image
Delete Dockerfile ... : OK
Delete old images gen ... : OK
generate Dockerfile gen ... : OK
Generate gen Docker image ... : OK

----- Log Compil -----
/tmp/BuildDocker-gen.log
-----

Delete Dockerfile ... : OK
Delete old images repo ... : OK
generate Dockerfile repo ... : OK
Generate repo Docker image ... : OK

----- Log Compil -----
/tmp/BuildDocker-repo.log
-----

real    1m51,136s
user    0m0,407s
sys     0m0,380s
```

image-gen

```
👤devbase-astierg👤@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ time ./generate_env.sh image-gen
Delete Dockerfile ... : OK
Delete old images gen ... : OK
generate Dockerfile gen ... : OK
Generate gen Docker image ... : OK

----- Log Compil -----
/tmp/BuildDocker-gen.log
-----

real    1m18,333s
user    0m0,176s
sys     0m0,164s
```

image-repo

```
👤devbase-astierg👤@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ time ./generate_env.sh image-repo
Delete Dockerfile ... : OK
Delete old images repo ... : OK
generate Dockerfile repo ... : OK
Generate repo Docker image ... : OK

----- Log Compil -----
/tmp/BuildDocker-repo.log
-----

real    0m20,322s
user    0m0,148s
sys     0m0,070s
```

repo

```
🍷devbase-astierg🍷@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ time ./generate_env.sh repo
Starting DOCKER repo ... : OK

----- Log EsL -----
/tmp/RunDocker-repo.log
-----

real    68m22,421s
user    0m5,426s
sys     0m0,668s
```

gen-connect

```
🍷devbase-astierg🍷@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ ./generate_env.sh ps
esl-devenv_esl-gen 1
🍷devbase-astierg🍷@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ ./generate_env.sh run-gen
[root@ede7370ed264 /]# ps axf
PID TTY STAT TIME COMMAND
4038 pts/0 Ss 0:00 bash
4056 pts/0 R+ 0:00 \_ ps axf
1 ? Ss 0:00 /bin/bash /bin/run.sh /data/gen.sh
7 ? S 0:00 /bin/bash /data/gen.sh
2739 ? S 0:00 \_ /bin/bash ./ESL_Generate.sh
3768 ? S 0:00 \_ /bin/bash /data/ESL/ESL_RPMS/GenAPIs/synchroRPMs.sh --workspace
4009 ? D 0:00 \_ /usr/bin/python -t /usr/share/createrepo/genpkgmetadata.py /data/ESL/Workspace/ESL_REPO/CentOS/7
[root@ede7370ed264 /]#
```

gen

```
🍷devbase-astierg🍷@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ time ./generate_env.sh gen
Starting DOCKER gen ... : OK

----- Log EsL -----
/tmp/RunDocker-gen.log
-----

real    5m11,921s
user    0m0,976s
sys     0m0,137s
```

all

```
👤devbase-astierg👤@[navalgroup-astierg]- /data/DOCKER/esl-devenv : $ time ./generate_env.sh all
Delete Dockerfile ... : OK
Delete old images gen ... : OK
generate Dockerfile gen ... : OK
Generate gen Docker image ... : OK

----- Log Compil -----
/tmp/BuildDocker-gen.log
-----

Delete Dockerfile ... : OK
Delete old images repo ... : OK
generate Dockerfile repo ... : OK
Generate repo Docker image ... : OK

----- Log Compil -----
/tmp/BuildDocker-repo.log
-----

----- Log Compil -----
/tmp/GetRepo-repo.log
-----

Starting DOCKER repo ... : OK

----- Log Es1 -----
/tmp/RunDocker-repo.log
-----

----- Log Compil -----
/tmp/GetRepo-gen.log
-----

Starting DOCKER gen ... : OK

----- Log Es1 -----
/tmp/RunDocker-gen.log
-----

real    97m32,204s
user    0m8,620s
sys     0m1,233s
```