

ESL-devenv

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E.S.L.

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

Struct

```

1 | _> bin
2 |   |> common.fct
3 |   |> empty.sh
4 |   |> esl.fct
5 |   |> gen.sh
6 |   |> repo.sh
7 |   |> run.sh
8 | _> cible -> /data/GIT/ESL_PRODUIT-ol8/
9 | _> data
10 |   |> cible
11 |   |> log
12 |   |> repo
13 |   |> repo
14 |       |> EPEL
15 |       |> OLD
16 |       |> OracleLinux
17 | _> define.conf -> .env
18 | _> doc
19 |   |> 0_define.png
20 |   |> 1_help.png
21 |   |> 2_image.png
22 |   |> 3_image-gen.png
23 |   |> 4_image-repo.png
24 |   |> 5_repo.png
25 |   |> 6_gen-connect.png
26 |   |> 7_gen.png
27 |   |> 8_all.png
28 |   |> ESL-devenv.pdf
29 |   |> tree.png
30 | _> docker-compose.yml
31 | _> Dockerfile

```

```
32 |_> generate_env.sh
33 |_> README.md
34 |_> Template
35 |_> docker-compose.yml.gen
36 |_> docker-compose.yml.repo
37 |_> Dockerfile.gen.centos
38 |_> Dockerfile.gen.oraclelinux
39 |_> Dockerfile.repo
40 |_> Dockerfile.repo.centos
41 |_> Dockerfile.repo.oraclelinux
42 |_> function
43
44 11 directories, 31 files
```

Help

```
1 devbase-astierg@[navalgroup-astierg]- ~ : $ /data/DOCKER/centos79repo/
  generate_env.sh
2
3 ./generate_env.sh [image/image-gen/image-repo/repo/gen/run-repo/run-gen
  ]
4
5 * image      : Generate docker images
6 * image-gen  : Generate docker image for esl compiler
7 * image-repo : Generate docker image for repository sync
8 * repo       : start docker compose and generate repositories
9 * gen        : start docker compose and generate esl
10 * run-gen    : Connect and run bash on instance gen
11 * run-repo   : Connect and run bash on instance repo
```

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=centos:7.9.2009
10 CentOsVersion=oraclelinux:8.6
11 Cible=oraclelinux
12 VersionCible=8.6
13 PackageManager=dnf
14 # Sync repo script
```

```

15 Run=/usr/local/bin/sync.sh
16 # Sync arg script
17 # * del : delete all local repo
18 # * debug : only start docker instance
19 # * empty : sync whithout delete
20 RunArg=del
21
22 #####
23 # Esl compiler
24
25 # Version of image
26 GenVers=2
27 # Programme local directory
28 ProgrammeDir=/data/GIT/ESL_PRODUIT
29 # Repositories Directory
30 RepoDir=./data/repo
31 # If auto gen script esl Else leave empty and only start docker
   instance
32 GenScript=/usr/local/bin/gen.sh

```

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

```

cible

To create an ESL you have to make a symbolic link of the root project in cible in the root path of ESL-devenv

```

1 —
2 [14:17:48][devbase-astierg@astierg-tools-][~/data/git/naval/ESL-devenv]
   ln -s /data/GIT/ESL_PRODUIT-ol8/ ./cible

```

Repo oracle

The repository list is :

- EPEL
- baseos (latest)
- codeready
- appstream

Size : ~ 33Go