DevOrSysAdminScripts

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Abstract

Some "small" useful scripts for enhancing developpment or system-administrators tasks

Current version: 2024-05-06
Current number of commits: 55
Current git SHA1: 8b9268cbe03d090a57e876d27b2613a09a1a85de
Code lines: 1799 total lines, 1545 not empty lines, 254 empty lines.

1   Files tree

```
.
├── build_and_checks_dependencies
│   ├── build_and_checks.sh.tpl
│   ├── build_md_from_printable_md.sh
│   ├── check_shell_scripts_beginning.sh
│   ├── check_URLs.sh
│   ├── common_build_and_checks.sh
│   ├── common_build_and_checks.sh.tpl
│   ├── create_PDF.sh
│   ├── get_common_text_glob_patterns.sh
│   ├── lines_counts.sh
│   ├── lines_filters.sh
│   ├── python_black_complement.sh
│   ├── python_isort_complement.sh
│   ├── too_long_code_lines.sh
│   └── update_common_build_and_checks.sh
├── build_and_checks.sh
├── COPYING
├── COPYING.LESSER
├── DevOrSysAdminScripts.pdf
├── git_checks.sh
```

```
        ├── latex
        │   ├── DevOrSysAdminScripts.tex
        │   └── DevOrSysAdminScripts.tex.tpl
        ├── LiensUtiles.txt
        ├── pre-commit
        ├── README.md
        ├── README.md.tpl
        └── wget_sha512.sh

3 directories, 26 files

[4.0K May  6 03:47]  ./
├── [4.0K May  6 03:47]  build_and_checks_dependencies/
│   ├── [1.4K May  6 00:49]  build_and_checks.sh.tpl*
│   ├── [1.5K May  6 01:00]  build_md_from_printable_md.sh*
│   ├── [1.0K May  6 00:49]  check_shell_scripts_beginning.sh
│   ├── [1.8K May  6 01:40]  check_URLs.sh
│   ├── [5.3K May  6 03:47]  common_build_and_checks.sh*
│   ├── [3.8K May  6 02:02]  common_build_and_checks.sh.tpl
│   ├── [6.5K May  6 03:47]  create_PDF.sh*
│   ├── [1.6K May  6 03:28]  get_common_text_glob_patterns.sh
│   ├── [1.6K May  6 02:15]  lines_counts.sh
│   ├── [2.8K May  6 02:16]  lines_filters.sh
│   ├── [1.3K May  6 00:49]  python_black_complement.sh
│   ├── [1.2K May  6 01:40]  python_isort_complement.sh
│   ├── [1.1K May  6 01:40]  too_long_code_lines.sh
│   └── [2.1K May  6 00:49]  update_common_build_and_checks.sh*
├── [1.5K May  6 03:47]  build_and_checks.sh*
├── [ 34K May  6 00:49]  COPYING
├── [7.5K May  6 00:49]  COPYING.LESSER
├── [106K May  6 03:37]  DevOrSysAdminScripts.pdf
├── [2.2K May  6 00:49]  git_checks.sh
├── [4.0K May  6 03:47]  latex/
│   ├── [6.9K May  6 03:47]  DevOrSysAdminScripts.tex
│   └── [6.9K May  6 00:49]  DevOrSysAdminScripts.tex.tpl
├── [ 424 May  6 00:49]  LiensUtiles.txt
├── [1.0K May  6 00:49]  pre-commit
├── [1.6K May  6 03:47]  README.md
├── [1.6K May  6 01:40]  README.md.tpl
└── [1.1K May  6 00:49]  wget_sha512.sh

3 directories, 26 files
```

2 Listing of files

The following source code is covered by LGPLv3+. The text of the license is available at: `https://www.gnu.org/licenses/`. The git repository of this source code is also available at: `https://github.com/LLyaudet/DevOrSysAdminScripts/`.

2.1 build_and_checks_dependencies/build_and_checks.sh.tpl

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
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# of the GNU Lesser General Public License
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#
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# See the GNU Lesser General Public License for more details.
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#
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source ./wget_sha512.sh

mkdir -p build_and_checks_dependencies
subdir="build_and_checks_dependencies"

personal_github="https://raw.githubusercontent.com/LLyaudet/"
dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
URL_beginning="$personal_github$dependencies"

script="$URL_beginning/common_build_and_checks.sh"
@sha512_common_build_and_checks.sh@
wget_sha512 "./$subdir/common_build_and_checks.sh" "$script"\
  "$correct_sha512"
chmod +x "./$subdir/common_build_and_checks.sh"
```

```bash
cwd="."
if [[ -n "$1" ]];
then
  cwd="$1"
fi

./build_and_checks_dependencies/common_build_and_checks.sh "$cwd"
```

2.2 build_and_checks_dependencies/build_md_from_printable_md.sh

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
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# of the GNU Lesser General Public License
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#
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# but WITHOUT ANY WARRANTY;
# without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
# See the GNU Lesser General Public License for more details.
#
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#
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sed_expression='s/(\[[a-zA-Z0-9:-]*\]: [^\n\\]*)\\\n/\1/Mg'
sed_expression+=';s/(<http[^\n\\]*)\\\n/\1/Mg'
sed_expression+=';s/(- <http[^\n\\]*)\\\n/\1/Mg'

pushd .
if [[ -n "$1" ]];
then
  cd "$1"
fi

if [[ -n "$2" ]];
```

```
36  then
37    filename="$2"
38  else
39    filename="README"
40  fi
41
42  if [[ -f "${filename}.md.tpl" ]];
43  then
44    sed -Ez "$sed_expression" "${filename}.md.tpl"\
45      > "${filename}_temp1.md"
46    sed -Ez "$sed_expression" "${filename}_temp1.md"\
47      > "${filename}_temp2.md"
48    sed -Ez "$sed_expression" "${filename}_temp2.md"\
49      > "${filename}_temp3.md"
50    sed -Ez "$sed_expression" "${filename}_temp3.md"\
51      > "${filename}.md"
52    rm "${filename}_temp1.md" "${filename}_temp2.md"\
53      "${filename}_temp3.md"
54  else
55    echo "No file ${filename}.md.tpl"
56  fi
57
58  popd
```

2.3 build_and_checks_dependencies/check_shell_scripts_beginning.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
4   # DevOrSysAdminScripts is free software:
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6   # of the GNU Lesser General Public License
7   # as published by the Free Software Foundation,
8   # either version 3 of the License,
9   # or (at your option) any later version.
10  #
11  # DevOrSysAdminScripts is distributed in the hope
12  # that it will be useful,
13  # but WITHOUT ANY WARRANTY;
14  # without even the implied warranty of
15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
18  # You should have received a copy of
19  # the GNU Lesser General Public License
20  # along with DevOrSysAdminScripts.
```

```
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  check_one_shell_script_beginning(){
26    diff <(head -n 1 "$1") <(echo '#!/usr/bin/env bash')
27  }
28
29
30  check_shell_scripts_beginning(){
31    shopt -s globstar
32    for i in **/*.sh; do
33      check_one_shell_script_beginning "$i"
34    done
35  }
```

2.4 build_and_checks_dependencies/check_URLs.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
4   # DevOrSysAdminScripts is free software:
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6   # of the GNU Lesser General Public License
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10  #
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15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
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18  # You should have received a copy of
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20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
27
28  check_URLs(){
```

```
29   get_common_text_files_glob_patterns
30
31   declare -A substitutions
32   substitutions=(\
33     ["http://www.gnu.org/licenses/"]="https://www.gnu.org/licenses/"\
34   )
35
36   for pattern in "${common_file_patterns[@]}"; do
37     [ "$1" != "-v" ] || echo "Iterating on pattern: $pattern"
38     find . -type f -name "$pattern" -printf '%P\n'\
39       | xargs grep -H 'http:'\
40       | grep -v "^[^:]*check_URLs.sh:"
41     for filename in $pattern; do
42       [ -f "$filename" ] || continue
43       base_filename=$(basename "$filename")
44       [ "$base_filename" != "check_URLs.sh" ] || continue
45       [ "$1" != "-v" ] || echo "Handling the file: $filename"
46       for substitution in "${!substitutions[@]}"; do
47         substitution2=${substitutions[$substitution]}
48         if grep -q "$substitution" "$filename"; then
49           sed -i "s|$substitution|$substitution2|g" "$filename"
50         fi
51       done
52     done
53   done
54   }
```

2.5 build_and_checks_dependencies/common_build_and_checks.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
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9   # or (at your option) any later version.
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15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
```

```
18  # You should have received a copy of
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20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet

25  source ./wget_sha512.sh

27  personal_github="https://raw.githubusercontent.com/LLyaudet/"
28  dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
29  URL_beginning="$personal_github$dependencies"

31  subdir="build_and_checks_dependencies"

33  script="$URL_beginning/build_md_from_printable_md.sh"
34  correct_sha512='aecf84a848a66e22367968b80cf250784d0c85b6bd9bad2fcf75b'
35  correct_sha512+='98aa77a250c8a74f81ae9c61687d47e29c8712614a4fe44027a9'
36  correct_sha512+='32224a7d04c2388084cbe25'
37  wget_sha512 "./$subdir/build_md_from_printable_md.sh" "$script"\
38    "$correct_sha512"
39  chmod +x "./$subdir/build_md_from_printable_md.sh"

41  script="$URL_beginning/check_shell_scripts_beginning.sh"
42  correct_sha512='faf7fe1c59b177d0f74afee6e8fb94e14bf7041b74a36afc41d6d'
43  correct_sha512+='e71b6325af1d42f5c816024d311751d6e40c197c52ac97188c9c'
44  correct_sha512+='e75ea4937b966d2b0ff4ac7'
45  wget_sha512 "./$subdir/check_shell_scripts_beginning.sh" "$script"\
46    "$correct_sha512"

48  script="$URL_beginning/check_URLs.sh"
49  correct_sha512='aa052d684b542929e9bc1a7c0768ea424cebbb5df3db01f103afd'
50  correct_sha512+='620abd35f2f2ad2ff5f7ff18644d84ad8051a00cc8c3205d5951'
51  correct_sha512+='d3aec6d8c14a0183c49b0b9'
52  wget_sha512 "./$subdir/check_URLs.sh" "$script" "$correct_sha512"

54  script="$URL_beginning/create_PDF.sh"
55  correct_sha512='bd652a4a639ee9cd9c961ff11ff62b5efd3ad44fbea75b0ebbe69'
56  correct_sha512+='8c188e36c52778d3ebde8b20489abca05eeb8bddef5460a2d4e1'
57  correct_sha512+='7db9c98f3c29d6a8568ddfd'
58  wget_sha512 "./$subdir/create_PDF.sh" "$script" "$correct_sha512"
59  chmod +x "./$subdir/create_PDF.sh"

61  script="$URL_beginning/get_common_text_glob_patterns.sh"
62  correct_sha512='0c131dd3afa78d9875e0ef5ee0683ccf58d58b0077f7fc728f9fe'
63  correct_sha512+='77fee52e70963b50963ef0dd4b0fb14277eaca308abef04aeb8c'
```

8

```
64  correct_sha512+='56b6493fe4f16d597403039'
65  wget_sha512 "./$subdir/get_common_text_glob_patterns.sh" "$script"\
66    "$correct_sha512"
67
68  script="$URL_beginning/lines_counts.sh"
69  correct_sha512='85549707a7152d578caca30f84f2f6b6e6f57d8f26df2ab83e834'
70  correct_sha512+='e62d7f57019fc24f3363ef031b880c65c255d9dabe976dc7a416'
71  correct_sha512+='cccde75d1b73af652bd51ca'
72  wget_sha512 "./$subdir/lines_counts.sh" "$script" "$correct_sha512"
73
74  script="$URL_beginning/lines_filters.sh"
75  correct_sha512='b102cc7b29b7bc590c8090f13d1a3397f893a13bd0c4d894ce0fa'
76  correct_sha512+='b4c44be6b2c01c01c6e1787288ccf7fed75027192dc057bebfdd'
77  correct_sha512+='ac0ae13c76196f492c88ad8'
78  wget_sha512 "./$subdir/lines_filters.sh" "$script" "$correct_sha512"
79
80  script="$URL_beginning/python_black_complement.sh"
81  correct_sha512='909ab2453a3448b45e92c60df216d86578528d5151bc8c5efb50b'
82  correct_sha512+='c8c4007d4c34adc7b2d583f3f5d9629cf37f163c813aebc3dec2'
83  correct_sha512+='ce6370fcf1bdbea5820ab13'
84  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
85    "$correct_sha512"
86
87  script="$URL_beginning/python_isort_complement.sh"
88  correct_sha512='b3bf56acdc42371ed60762d48ba8412acf3f7a250b277683696d2'
89  correct_sha512+='6ac55c21b42d1070aabbbfa200883f7c69e2b0e3ef516862e4ad'
90  correct_sha512+='25401b7a12da96169758e90'
91  wget_sha512 "./$subdir/python_isort_complement.sh" "$script"\
92    "$correct_sha512"
93
94  script="$URL_beginning/too_long_code_lines.sh"
95  correct_sha512='4d4728b3fc530281680dfa836fe396e5ad3ea0df15e3c0ce4809b'
96  correct_sha512+='98c8e009de5862de42deb63128117516a0d9e0687e0e7bd6a7d8'
97  correct_sha512+='5daabeda07320b49e443b46'
98  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
99    "$correct_sha512"
100
101 shopt -s globstar
102 source "./$subdir/check_shell_scripts_beginning.sh"
103 source "./$subdir/check_URLs.sh"
104 source "./$subdir/get_common_text_glob_patterns.sh"
105 source "./$subdir/lines_counts.sh"
106 source "./$subdir/lines_filters.sh"
107 source "./$subdir/python_black_complement.sh"
108 source "./$subdir/python_isort_complement.sh"
109 source "./$subdir/too_long_code_lines.sh"
```

9

```
cwd="."
if [[ -n "$1" ]];
then
  cwd="$1"
fi

echo "Building README.md"
./build_and_checks_dependencies/build_md_from_printable_md.sh "$cwd"

pushd .
cd "$cwd"

echo "Running isort"
isort .
python_isort_complement

echo "Running black"
black .
python_black_complement

find . -name "pyproject.toml" | relevant_find\
  | while read -r filename;
do
  if grep -q "Typing :: Typed" "$filename"; then
    echo "Running mypy"
    mypy $(dirname "$filename")
  fi
done

echo "Analyzing too long lines"
too_long_code_lines | relevant_grep | not_license_grep

echo "Analyzing shell scripts beginning"
check_shell_scripts_beginning | relevant_grep

echo "Analyzing URLs"
check_URLs | relevant_grep

echo "Creating the PDF file of the listing of the source code"
./build_and_checks_dependencies/create_PDF.sh

popd
```

2.6 build_and_checks_dependencies/common_build_and_checks.sh.tpl

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
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source ./wget_sha512.sh

personal_github="https://raw.githubusercontent.com/LLyaudet/"
dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
URL_beginning="$personal_github$dependencies"

subdir="build_and_checks_dependencies"

script="$URL_beginning/build_md_from_printable_md.sh"
@sha512_build_md_from_printable_md.sh@
wget_sha512 "./$subdir/build_md_from_printable_md.sh" "$script"\
  "$correct_sha512"
chmod +x "./$subdir/build_md_from_printable_md.sh"

script="$URL_beginning/check_shell_scripts_beginning.sh"
@sha512_check_shell_scripts_beginning.sh@
wget_sha512 "./$subdir/check_shell_scripts_beginning.sh" "$script"\
  "$correct_sha512"

script="$URL_beginning/check_URLs.sh"
```

```
45  @sha512_check_URLs.sh@
46  wget_sha512 "./$subdir/check_URLs.sh" "$script" "$correct_sha512"
47
48  script="$URL_beginning/create_PDF.sh"
49  @sha512_create_PDF.sh@
50  wget_sha512 "./$subdir/create_PDF.sh" "$script" "$correct_sha512"
51  chmod +x "./$subdir/create_PDF.sh"
52
53  script="$URL_beginning/get_common_text_glob_patterns.sh"
54  @sha512_get_common_text_glob_patterns.sh@
55  wget_sha512 "./$subdir/get_common_text_glob_patterns.sh" "$script"\
56    "$correct_sha512"
57
58  script="$URL_beginning/lines_counts.sh"
59  @sha512_lines_counts.sh@
60  wget_sha512 "./$subdir/lines_counts.sh" "$script" "$correct_sha512"
61
62  script="$URL_beginning/lines_filters.sh"
63  @sha512_lines_filters.sh@
64  wget_sha512 "./$subdir/lines_filters.sh" "$script" "$correct_sha512"
65
66  script="$URL_beginning/python_black_complement.sh"
67  @sha512_python_black_complement.sh@
68  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
69    "$correct_sha512"
70
71  script="$URL_beginning/python_isort_complement.sh"
72  @sha512_python_isort_complement.sh@
73  wget_sha512 "./$subdir/python_isort_complement.sh" "$script"\
74    "$correct_sha512"
75
76  script="$URL_beginning/too_long_code_lines.sh"
77  @sha512_too_long_code_lines.sh@
78  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
79    "$correct_sha512"
80
81  shopt -s globstar
82  source "./$subdir/check_shell_scripts_beginning.sh"
83  source "./$subdir/check_URLs.sh"
84  source "./$subdir/get_common_text_glob_patterns.sh"
85  source "./$subdir/lines_counts.sh"
86  source "./$subdir/lines_filters.sh"
87  source "./$subdir/python_black_complement.sh"
88  source "./$subdir/python_isort_complement.sh"
89  source "./$subdir/too_long_code_lines.sh"
90
```

```
91  cwd="."
92  if [[ -n "$1" ]];
93  then
94    cwd="$1"
95  fi
96
97  echo "Building README.md"
98  ./build_and_checks_dependencies/build_md_from_printable_md.sh "$cwd"
99
100 pushd .
101 cd "$cwd"
102
103 echo "Running isort"
104 isort .
105 python_isort_complement
106
107 echo "Running black"
108 black .
109 python_black_complement
110
111 find . -name "pyproject.toml" | relevant_find\
112   | while read -r filename;
113 do
114   if grep -q "Typing :: Typed" "$filename"; then
115     echo "Running mypy"
116     mypy $(dirname "$filename")
117   fi
118 done
119
120 echo "Analyzing too long lines"
121 too_long_code_lines | relevant_grep | not_license_grep
122
123 echo "Analyzing shell scripts beginning"
124 check_shell_scripts_beginning | relevant_grep
125
126 echo "Analyzing URLs"
127 check_URLs | relevant_grep
128
129 echo "Creating the PDF file of the listing of the source code"
130 ./build_and_checks_dependencies/create_PDF.sh
131
132 popd
```

2.7 build_and_checks_dependencies/create_PDF.sh

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
# DevOrSysAdminScripts is free software:
# you can redistribute it and/or modify it under the terms
# of the GNU Lesser General Public License
# as published by the Free Software Foundation,
# either version 3 of the License,
# or (at your option) any later version.
#
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current_path=$(pwd)
main_directory=$(basename "$current_path")

subdir="build_and_checks_dependencies"
source "./$subdir/lines_counts.sh"
source "./$subdir/lines_filters.sh"

cp "./latex/$main_directory.tex.tpl"\
   "./latex/$main_directory.tex"
# We need a variant of the template with long lines.
cp "./latex/$main_directory.tex.tpl"\
   "./latex/$main_directory.tex.tpl2"
sed -i -Ez "s/%\n//Mg" "./latex/$main_directory.tex.tpl2"

current_date=$(date -I"date")
sed -i "s|@current_date@|$current_date|g"\
  "./latex/$main_directory.tex"

current_git_SHA1=$(git rev-parse HEAD)
sed -i "s|@current_git_SHA1@|$current_git_SHA1|g"\
```

```
45    "./latex/$main_directory.tex"

46

47  number_of_commits=$(git shortlog | space_starting_lines | wc -l)
48  sed -i "s|@number_of_commits@|$number_of_commits|g"\
49    "./latex/$main_directory.tex"

50

51  number_of_lines="$(code_lines_count_all) total lines,"
52  number_of_lines+=" $(code_lines_count_not_empty) not empty lines,"
53  number_of_lines+=" $(code_lines_count_empty) empty lines."
54  sed -i "s|@number_of_lines@|$number_of_lines|g"\
55    "./latex/$main_directory.tex"

56

57  tree -a --gitignore\
58    -I "$main_directory.aux"\
59    -I "$main_directory.log"\
60    -I "$main_directory.out"\
61    -I "$main_directory.tex.tpl2"\
62    -I current_tree.txt\
63    -I current_tree_light.txt\
64    -I "node_modules/"\
65    -I "__pycache__/"\
66    -I ".mypy_cache/"\
67    -I ".git/"\
68    > current_tree_light.txt

69

70  tree -a -DFh --gitignore\
71    -I "$main_directory.aux"\
72    -I "$main_directory.log"\
73    -I "$main_directory.out"\
74    -I "$main_directory.tex.tpl2"\
75    -I current_tree.txt\
76    -I current_tree_light.txt\
77    -I "node_modules/"\
78    -I "__pycache__/"\
79    -I ".mypy_cache/"\
80    -I ".git/"\
81    > current_tree.txt

82

83  shopt -s dotglob
84  find . -type f -printf '%P\n' | relevant_find | sort\
85    | while read -r filename;
86  do
87    [ -f "$filename" ] || continue
88    git check-ignore -q "$filename" && continue
89    base_filename=$(basename "$filename")
90    [ "$base_filename" != "current_tree_light.txt" ] || continue
```

```
91    [ "$base_filename" != "current_tree.txt" ] || continue
92    [ "$base_filename" != "COPYING" ] || continue
93    [ "$base_filename" != "COPYING.LESSER" ] || continue
94    [ "$base_filename" != "$main_directory.pdf" ] || continue
95    [ "$base_filename" != "$main_directory.tex" ] || continue
96    [ "$base_filename" != "$main_directory.tex.tpl2" ] || continue
97    if [[ "$base_filename" == *.md ]]; then
98      if [ -f "$filename.tpl" ]; then
99        # in_place_grep -v "$base_filename$" current_tree.txt
100       # in_place_grep -v "$base_filename$" current_tree_light.txt
101       continue
102     fi
103   fi
104   cleaned_path1=$(sed -e 's/_/\\_/g' <(echo "$filename"))
105   cleaned_path2=$(sed -e 's/\///:/g' -e 's/\.//g' <(echo "$filename"))
106   if grep -q "  $filename\$" "./latex/$main_directory.tex.tpl2"; then
107     echo ""
108     # sed -i -Ez\
109     #   "s/$filename\n/\
110     #   ${filename/./\\./g}\\hyperref\{${filename/./\\./g}\}\n/Mg"\
111     #   "current_tree_light.txt"
112   else
113     echo "The file $filename is not listed"\
114         " in ./latex/$main_directory.tex.tpl"
115     echo "TODO:\subsection{"
116     echo "TODO:  $cleaned_path1"
117     echo "TODO:}"
118     echo "TODO:\label{"
119     echo "TODO:  $cleaned_path2"
120     echo "TODO:}"
121     echo "TODO:"
122     echo "TODO:\VerbatimInput[numbers=left,xleftmargin=-5mm]{"
123     echo "TODO:  $filename"
124     echo "TODO:}"
125     echo "TODO:"
126     echo "TODO:"
127   fi
128 done
129 shopt -u dotglob
130 shopt -s globstar
131
132 split_last_line(){
133   # $1=$new_lines
134   # $2=$prefix
135   split_last_line_result="$1"
136   if echo "$1" | sed -e 's/\\n/\n/g' | grep -q '.\{71\}$'; then
```

```bash
    start=$(\
      echo "$1" | sed -e 's/\\n/\n/g' | head --lines=-1\
      | sed -z 's/\n/\\n/g'\
    )
    # echo "start: $start"
    last_line=$(echo "$1" | sed -e 's/\\n/\n/g' | tail --lines=1)
    # echo "last_line: $last_line"
    split_last_line_result=""
    if [[ -n "$start" ]]; then
      split_last_line_result="$start\n"
    fi
    split_last_line_result+="${last_line:0:69}\n"
    split_last_line_result+="$2${last_line:69}"
  fi
}

# We verify if some lines are beyond 70 caracters
# in current_tree_light.txt et current_tree.txt.
trees=("current_tree_light.txt" "current_tree.txt")
for some_tree in "${trees[@]}"; do
  grep '.\{71\}' "$some_tree" | while read -r some_line; do
    # echo "some_line: $some_line"
    prefix=$(\
      echo "$some_line"\
        | sed -E -e 's/(.*)─[^─]+$/\1/g' -e 's/[^ ]+$//g'\
    )
    prefix+="│ "
    # echo "prefix: $prefix"
    filename=$(\
      echo "$some_line"\
        | sed -E 's|.* (([a-zA-Z0-9\._/-]+).)$|\1|g'\
    )
    # echo "filename: $filename"
    line_start=$(\
      echo "$some_line"\
        | sed -E "s/(.*)[ ]*$filename/\1/g"\
        | sed -e 's/ *$//g'
    )
    # echo "line_start: $line_start"
    some_line=$(\
      echo "$some_line"\
        | sed -E -e 's/\[/\\\[/g' -e 's/\]/\\\]/g'\
    )
    new_lines="$prefix$filename"
    split_last_line "$new_lines" "$prefix"
    new_lines=$split_last_line_result
```

17

```
183    split_last_line "$new_lines" "$prefix"
184    new_lines=$split_last_line_result
185    split_last_line "$new_lines" "$prefix"
186    new_lines=$split_last_line_result
187    split_last_line "$new_lines" "$prefix"
188    new_lines=$split_last_line_result
189    sed -i -e "s/$some_line/$line_start\n$new_lines/g" "$some_tree"
190  done
191 done
192
193 sed -i -e '/@current_tree_light@/{r current_tree_light.txt' -e 'd}'\
194   "./latex/$main_directory.tex"
195 sed -i -e '/@current_tree@/{r current_tree.txt' -e 'd}'\
196   "./latex/$main_directory.tex"
197
198 pdflatex "./latex/$main_directory.tex" > /dev/null
199 pdflatex "./latex/$main_directory.tex" > /dev/null
200 pdflatex "./latex/$main_directory.tex" > /dev/null
201
202 files_to_delete=(\
203   "$main_directory.aux"\
204   "$main_directory.log"\
205   "$main_directory.out"\
206   "current_tree.txt"
207   "current_tree_light.txt"
208   "./latex/$main_directory.tex.tpl2"
209 )
210 # Comment the following line if you need to debug.
211 for filename in "${files_to_delete[@]}"; do
212   rm -f "$filename"
213 done
```

2.8 build_and_checks_dependencies/get_common_text_glob_patterns.sh

```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  get_common_text_paths_glob_patterns(){
26    export common_patterns=(\
27      '**/*.c'\
28      '**/*.css'\
29      '**/*.h'\
30      '**/*.htm'\
31      '**/*.html'\
32      '**/*.js'\
33      '**/*.json'\
34      '**/*.md'\
35      '**/*.php'\
36      '**/*.py'\
37      '**/*.sh'\
38      '**/*.sql'\
39      '**/*.tex'\
40      '**/*.toml'\
41      '**/*.tpl'\
42      '**/*.ts'\
43      '**/*.txt'\
44      '**/*.yml'\
45      '**/COPYING'\
46      '**/COPYING.LESSER'\
47      '**/pre-commit'\
48      '**/.gitignore'\
49      '**/py.typed'\
50    )
51  }
52
53
54  get_common_text_files_glob_patterns(){
55    export common_file_patterns=(\
56      '*.c'\
57      '*.css'\
58      '*.h'\
```

19

```
59     '*.htm'\
60     '*.html'\
61     '*.js'\
62     '*.json'\
63     '*.md'\
64     '*.php'\
65     '*.py'\
66     '*.sh'\
67     '*.sql'\
68     '*.tex'\
69     '*.toml'\
70     '*.tpl'\
71     '*.ts'\
72     '*.txt'\
73     '*.yml'\
74     'COPYING'\
75     'COPYING.LESSER'\
76     'pre-commit'\
77     '.gitignore'\
78     'py.typed'\
79   )
80 }
```

2.9   build_and_checks_dependencies/lines_counts.sh

```
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```

```
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
27  source "./$subdir/lines_filters.sh"
28
29  all_code_lines(){
30    get_common_text_files_glob_patterns
31    for pattern in "${common_file_patterns[@]}"; do
32      [ "$1" != "-v" ] || echo "Iterating on pattern: $pattern"
33      find . -type f -name "$pattern" -printf '%P\n'\
34        | xargs grep -H -v 'a(?!a)a'
35    done
36  }
37
38  all_self_code_lines(){
39    all_code_lines | relevant_grep\
40      | not_license_grep | not_main_tex_grep
41  }
42
43  all_self_empty_code_lines(){
44    all_self_code_lines | empty_lines_after_filename
45  }
46
47  all_self_not_empty_code_lines(){
48    all_self_code_lines | not_empty_lines_after_filename
49  }
50
51  code_lines_count_all(){
52    all_self_code_lines | wc -l
53  }
54
55  code_lines_count_empty(){
56    all_self_empty_code_lines | wc -l
57  }
58
59  code_lines_count_not_empty(){
60    all_self_not_empty_code_lines | wc -l
61  }
```

2.10   build_and_checks_dependencies/lines_filters.sh

```
1  #!/usr/bin/env bash
2  # This file is part of DevOrSysAdminScripts library.
3  #
```

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25  # The goal of ths file is to have some common line filters
26  # for bash processing and pipes.
27  # As is the case for other .sh files in this repository,
28  # it can be copied somewhere in your home directory
29  # and sourced in your .bashrc.

31  current_path=$(pwd)
32  main_directory=$(basename "$current_path")

34  in_place_grep(){
35    grep $@ > "${!#}"".temp_in_place_grep"
36    mv "${!#}"".temp_in_place_grep" "${!#}"
37  }

39  empty_lines(){
40    grep '^$'
41  }

43  not_empty_lines(){
44    grep -v '^$'
45  }

47  space_starting_lines(){
48    grep '^[ ]'
49  }
```

```
50
51  not_space_starting_lines(){
52    grep '^[^ ]'
53  }
54
55  empty_lines_after_filename(){
56    grep '^[^:]\+:$'
57  }
58
59  not_empty_lines_after_filename(){
60    grep -v '^[^:]\+:$'
61  }
62
63  space_starting_lines_after_filename(){
64    grep '^[^:]\+: '
65  }
66
67  not_space_starting_lines_after_filename(){
68    grep '^[^:]\+:[^ ]'
69  }
70
71  not_JS_dependencies_find(){
72    grep -vE "(^|/)node_modules/" | grep -vE "(^|/)package-lock\.json$"
73  }
74
75  not_JS_dependencies_grep(){
76    grep -v "^[^:]*node_modules/" | grep -v "^[^:]*package-lock\.json:"
77  }
78
79  not_dependencies_find(){
80    not_JS_dependencies_find
81  }
82
83  not_dependencies_grep(){
84    not_JS_dependencies_grep
85  }
86
87  not_python_cache_find(){
88    grep -vE "(^|/)__pycache__/" | grep -vE "(^|/)\.mypy_cache/"
89  }
90
91  not_python_cache_grep(){
92    grep -v "^[^:]*__pycache__/" | grep -v "^[^:]*\.mypy_cache/"
93  }
94
95  not_cache_find(){
```

```
 96    not_python_cache_find
 97  }
 98
 99  not_cache_grep(){
100    not_python_cache_grep
101  }
102
103  not_git_find(){
104    grep -vE "(^|/)\.git/"
105  }
106
107  not_git_grep(){
108    grep -v "^[^:]*\.git/"
109  }
110
111  not_archive_find(){
112    grep -vE "(\.gz|\.rar|\.tar|\.tgz|\.whl)$"
113  }
114
115  not_archive_grep(){
116    grep -vE "^[^:]*(\.gz|\.rar|\.tar|\.tgz|\.whl):"
117  }
118
119  not_license_find(){
120    grep -vE "(^|/)COPYING$" | grep -vE "(^|/)COPYING\.LESSER$"
121  }
122
123  not_license_grep(){
124    grep -v "^[^:]*COPYING:" | grep -v "^[^:]*COPYING\.LESSER:"
125  }
126
127  not_main_tex_find(){
128    grep -vE "(^|/)$main_directory\.tex$"
129  }
130
131  not_main_tex_grep(){
132    grep -v "^[^:]*$main_directory\.tex:"
133  }
134
135  relevant_find(){
136    not_dependencies_find | not_cache_find | not_git_find\
137    | not_archive_find
138  }
139
140  relevant_grep(){
141    not_dependencies_grep | not_cache_grep | not_git_grep\
```

```
142     | not_archive_grep
143   }
```

2.11 build_and_checks_dependencies/python_black_complement.sh

```
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24
25  # It was rejected to enhance black with this currently.
26  # And moreover, at some point, I saw the reverse rule
27  # in black or pylint to add an empty line...
28  # This regexp may give false positives,
29  # but that's not the end of the world.
30  check_no_empty_line_after_python_function_docstring(){
31    echo "Checking empty lines after Python function docstrings"
32    pcregrep -M $'def [^"]*"""([^"]|"(?!""))*"""\n\n(?!\s*def)'\
33      -- **/*.py
34  }
35
36  python_black_complement(){
37    check_no_empty_line_after_python_function_docstring
38  }
```

25

2.12   build_and_checks_dependencies/python_isort_complement.sh

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subdir="build_and_checks_dependencies"
source "./$subdir/lines_filters.sh"

check_collections_abc_place(){
  echo "Checking import of _collections_abc is at the right place"
  find . -name "*.py" | relevant_find | while read -r filename; do
    [ -f "$filename" ] || continue
    sed -i -Ez 's/\n(\nfrom _collections_abc[^\n]*)/\1\n/Mg'\
      "$filename"
  done
}

python_isort_complement(){
  check_collections_abc_place
}
```

2.13   build_and_checks_dependencies/too_long_code_lines.sh

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
```

```
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24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
27
28  too_long_code_lines(){
29    get_common_text_files_glob_patterns
30    for pattern in "${common_file_patterns[@]}"; do
31      [ "$1" != "-v" ] || echo "Iterating on pattern: $pattern"
32      find . -type f -name "$pattern" -printf '%P\n'\
33        | xargs grep -H '.\{71\}'
34    done
35  }
```

2.14   build_and_checks_dependencies/update_common_build_and_checks.sh

```
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10  #
```

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23  # ©Copyright 2023-2024 Laurent Lyaudet

25  cp ./common_build_and_checks.sh.tpl ./common_build_and_checks.sh

27  file_names=(\
28    "build_md_from_printable_md.sh"\
29    "check_shell_scripts_beginning.sh"\
30    "check_URLs.sh"\
31    "create_PDF.sh"\
32    "lines_counts.sh"\
33    "lines_filters.sh"\
34    "get_common_text_glob_patterns.sh"\
35    "python_black_complement.sh"\
36    "python_isort_complement.sh"\
37    "too_long_code_lines.sh"\
38  )

40  for file_name in "${file_names[@]}"; do
41    file_sha512=$(sha512sum "./$file_name" | cut -f1 -d' ')
42    file_sha512_1="correct_sha512='${file_sha512:0:53}'"
43    file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
44    file_sha512_3="correct_sha512\+='${file_sha512:105}'"
45    file_sha512_all="$file_sha512_1\n"
46    file_sha512_all+="$file_sha512_2\n"
47    file_sha512_all+="$file_sha512_3"
48    sed -i "s|@sha512_$file_name@|$file_sha512_all|g"\
49        ./common_build_and_checks.sh
50  done

52  cp ./build_and_checks.sh.tpl ../build_and_checks.sh

54  file_sha512=$(sha512sum common_build_and_checks.sh | cut -f1 -d' ')
55  file_sha512_1="correct_sha512='${file_sha512:0:53}'"
56  file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
```

```
57  file_sha512_3="correct_sha512\+='${file_sha512:105}'"
58  file_sha512_all="$file_sha512_1\n"
59  file_sha512_all+="$file_sha512_2\n"
60  file_sha512_all+="$file_sha512_3"
61  sed -i "s|@sha512_common_build_and_checks.sh@|$file_sha512_all|g"\
62      ../build_and_checks.sh
```

2.15   build_and_checks.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
4   # DevOrSysAdminScripts is free software:
5   # you can redistribute it and/or modify it under the terms
6   # of the GNU Lesser General Public License
7   # as published by the Free Software Foundation,
8   # either version 3 of the License,
9   # or (at your option) any later version.
10  #
11  # DevOrSysAdminScripts is distributed in the hope
12  # that it will be useful,
13  # but WITHOUT ANY WARRANTY;
14  # without even the implied warranty of
15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
18  # You should have received a copy of
19  # the GNU Lesser General Public License
20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  source ./wget_sha512.sh
26
27  mkdir -p build_and_checks_dependencies
28  subdir="build_and_checks_dependencies"
29
30  personal_github="https://raw.githubusercontent.com/LLyaudet/"
31  dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
32  URL_beginning="$personal_github$dependencies"
33
34  script="$URL_beginning/common_build_and_checks.sh"
35  correct_sha512='a46cd00d7b2d90fa1a3c7923244879fad28e789ff7dda791a0bd0'
36  correct_sha512+='c723848c12cb73ccf2c4c5875cdb674237da9696ef9e4deac07d'
37  correct_sha512+='c2b04aed6d90ffb98b9b0c4'
```

29

```
38  wget_sha512 "./$subdir/common_build_and_checks.sh" "$script"\
39    "$correct_sha512"
40  chmod +x "./$subdir/common_build_and_checks.sh"
41
42  cwd="."
43  if [[ -n "$1" ]];
44  then
45    cwd="$1"
46  fi
47
48  ./build_and_checks_dependencies/common_build_and_checks.sh "$cwd"
```

2.16   git_checks.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
4   # DevOrSysAdminScripts is free software:
5   # you can redistribute it and/or modify it under the terms
6   # of the GNU Lesser General Public License
7   # as published by the Free Software Foundation,
8   # either version 3 of the License,
9   # or (at your option) any later version.
10  #
11  # DevOrSysAdminScripts is distributed in the hope
12  # that it will be useful,
13  # but WITHOUT ANY WARRANTY;
14  # without even the implied warranty of
15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
18  # You should have received a copy of
19  # the GNU Lesser General Public License
20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  check_files(){
26    send_summary_1="ATTENTION : models modifiés"
27    send_body_1="Vérifiez si besoin de migrations"
28    send_body_2="Pensez aussi aux contraintes d'unicités"
29    send_body_2+=" dès la création du modèle"
30    send_summary_2="ATTENTION : serializers modifiés"
31    send_body_3="Les nouveaux preloadings sont interdits -> #Prefetch()"
32    if git diff --cached --name-only | grep models;
```

```
33   then
34     notify-send "$send_summary_1" "$send_body_1"
35     notify-send "$send_summary_1" "$send_body_2"
36   fi
37   if git diff --cached --name-only | grep serializer;
38   then
39     notify-send "$send_summary_2" "$send_body_3"
40   fi
41   return 0
42 }
43
44
45 check_no_abusive_trailing_comma(){
46   send_summary_1="ATTENTION"
47   send_body_1="Il semblerait que vous affectiez un tuple"
48   send_body_1+=" au lieu d'une autre valeur dans une variable."
49   if git diff --cached -r | grep ' = .*,\s*$';
50   then
51     notify-send "$send_summary_1" "$send_body_1"
52     return 1
53   fi
54   return 0
55 }
56
57
58 check_black_code_formatting(){
59   # attention ça ne marche que sur les fichiers "stagés" avec git add
60   files_string=$(git diff --cached --name-only | grep '\.py')
61   echo "$files_string"
62   mapfile -t some_files <<< "$files_string"
63   my_error=0
64   for file in ${some_files[@]};
65   do
66     echo "Black will check formatting on file $file"
67     if ! black --check --diff "$file";
68     then
69       my_error=1
70     fi
71   done
72   if [ $my_error -eq '1' ];
73   then
74     return 1
75   fi
76   return 0
77 }
```

2.17 latex/DevOrSysAdminScripts.tex.tpl

```
%!/usr/bin/env bash
% This file is part of DevOrSysAdminScripts library.
%
% DevOrSysAdminScripts is free software:
% you can redistribute it and/or modify it under the terms
% of the GNU Lesser General Public License
% as published by the Free Software Foundation,
% either version 3 of the License,
% or (at your option) any later version.
%
% DevOrSysAdminScripts is distributed in the hope
% that it will be useful,
% but WITHOUT ANY WARRANTY;
% without even the implied warranty of
% MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
% See the GNU Lesser General Public License for more details.
%
% You should have received a copy of
% the GNU Lesser General Public License
% along with DevOrSysAdminScripts.
% If not, see <https://www.gnu.org/licenses/>.
%
% ©Copyright 2023-2024 Laurent Lyaudet

\documentclass{article}

\usepackage[utf8]{inputenc}
\usepackage{subfigure}
\usepackage{amsmath}
\usepackage{amssymb}
\usepackage{amsthm}
\usepackage[pdftex]{hyperref}
\usepackage{tikz}
\usepackage{caption}
\usepackage[round]{natbib}
\usepackage{fancyhdr}
\usepackage{amsfonts}
\usepackage{times}
\usepackage{ifpdf}
\usepackage{latexsym}
\usepackage{graphicx}
\usepackage{enumerate}
\usepackage{pmboxdraw}
\usepackage{fancyvrb}
```

```latex
45
46  % *** les environnements ***
47  %\theoremstyle{break}
48  \newtheorem{definition}{Definition}[section]
49  \newtheorem{proposition}[definition]{Proposition}
50  \newtheorem{theorem}[definition]{Theorem}
51  \newtheorem{lemma}[definition]{Lemma}
52  \newtheorem{corollary}[definition]{Corollary}
53  \newtheorem{remark}[definition]{Remark}
54  \newtheorem{openproblem}[definition]{Open problem}
55
56  \begin{document}
57
58  \author{
59    Laurent Lyaudet\\
60    \url{https://lyaudet.eu/laurent/}\\
61    laurent.lyaudet@gmail.com
62  }
63  \title{DevOrSysAdminScripts}
64
65  \maketitle
66  \begin{abstract}
67  Some ``small'' useful scripts
68  for enhancing developpment or system-administrators tasks
69  \end{abstract}
70
71  Current version: @current_date@
72
73  Current number of commits: @number_of_commits@
74
75  Current git SHA1: @current_git_SHA1@
76
77  Code lines: @number_of_lines@
78
79  \section{Files tree}
80  \label{section:tree}
81
82  \begin{verbatim}
83  @current_tree_light@
84  \end{verbatim}
85
86  \begin{verbatim}
87  @current_tree@
88  \end{verbatim}
89
90  \section{Listing of files}
```

```
 91  \label{section:listing}

 92

 93  The following source code is covered by LGPLv3+.
 94  The text of the license is available at:
 95  \url{https://www.gnu.org/licenses/}.
 96  The git repository of this source code is also available at:
 97  \url{https://github.com/LLyaudet/DevOrSysAdminScripts/}.

 98

 99

100  \subsection{
101    build\_and\_checks\_dependencies/build\_and\_checks.sh.tpl
102  }
103  \label{
104    build_and_checks_dependencies:build_and_checksshtpl
105  }

106

107  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
108    build_and_checks_dependencies/build_and_checks.sh.tpl
109  }

110

111

112  \subsection{
113    build\_and\_checks\_dependencies/build\_md\_from\_printable\_md.sh
114  }
115  \label{
116    build_and_checks_dependencies:build_md_from_printable_mdsh
117  }

118

119  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
120    build_and_checks_dependencies/build_md_from_printable_md.sh
121  }

122

123

124  \subsection{
125    build\_and\_checks\_dependencies/check\_shell\_scripts\_beginning.sh
126  }
127  \label{
128    build_and_checks_dependencies:check_shell_scripts_beginningsh
129  }

130

131  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
132    build_and_checks_dependencies/check_shell_scripts_beginning.sh
133  }

134

135

136  \subsection{
```

34

```
137    build\_and\_checks\_dependencies/check\_URLs.sh
138  }
139  \label{
140    build_and_checks_dependencies:check_URLssh
141  }

142
143  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
144    build_and_checks_dependencies/check_URLs.sh
145  }

146

147
148  \subsection{
149    build\_and\_checks\_dependencies/common\_build\_and\_checks.sh
150  }
151  \label{
152    build_and_checks_dependencies:common_build_and_checkssh
153  }

154
155  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
156    build_and_checks_dependencies/common_build_and_checks.sh
157  }

158

159
160  \subsection{
161    build\_and\_checks\_dependencies/common\_build\_and\_checks.sh.tpl
162  }
163  \label{
164    build_and_checks_dependencies:common_build_and_checksshtpl
165  }

166
167  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
168    build_and_checks_dependencies/common_build_and_checks.sh.tpl
169  }

170

171
172  \subsection{
173    build\_and\_checks\_dependencies/create\_PDF.sh
174  }
175  \label{
176    build_and_checks_dependencies:create_PDFsh
177  }

178
179  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
180    build_and_checks_dependencies/create_PDF.sh
181  }

182
```

```latex
183
184 \subsection{
185   build\_and\_checks\_dependencies/get\_common\_text\_glob\_patterns%
186 .sh
187 }
188 \label{
189   build_and_checks_dependencies:get_common_text_glob_patternssh
190 }
191
192 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
193   build_and_checks_dependencies/get_common_text_glob_patterns.sh
194 }
195
196
197 \subsection{
198   build\_and\_checks\_dependencies/lines\_counts.sh
199 }
200 \label{
201   build_and_checks_dependencies:lines_countssh
202 }
203
204 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
205   build_and_checks_dependencies/lines_counts.sh
206 }
207
208
209 \subsection{
210   build\_and\_checks\_dependencies/lines\_filters.sh
211 }
212 \label{
213   build_and_checks_dependencies:lines_filterssh
214 }
215
216 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
217   build_and_checks_dependencies/lines_filters.sh
218 }
219
220
221 \subsection{
222   build\_and\_checks\_dependencies/python\_black\_complement.sh
223 }
224 \label{
225   build_and_checks_dependencies:python_black_complementsh
226 }
227
228 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
```

```
229    build_and_checks_dependencies/python_black_complement.sh
230  }
231
232
233  \subsection{
234    build\_and\_checks\_dependencies/python\_isort\_complement.sh
235  }
236  \label{
237    build_and_checks_dependencies:python_isort_complementsh
238  }
239
240  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
241    build_and_checks_dependencies/python_isort_complement.sh
242  }
243
244
245  \subsection{
246    build\_and\_checks\_dependencies/too\_long\_code\_lines.sh
247  }
248  \label{
249    build_and_checks_dependencies:too_long_code_linessh
250  }
251
252  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
253    build_and_checks_dependencies/too_long_code_lines.sh
254  }
255
256
257  \subsection{
258    build\_and\_checks\_dependencies/update\_common\_build\_and\_checks%
259  .sh
260  }
261  \label{
262    build_and_checks_dependencies:update_common_build_and_checkssh
263  }
264
265  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
266    build_and_checks_dependencies/update_common_build_and_checks.sh
267  }
268
269
270  \subsection{
271    build\_and\_checks.sh
272  }
273  \label{
274    build_and_checkssh
```

```
275   }
276
277   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
278     build_and_checks.sh
279   }
280
281
282   \subsection{
283     git\_checks.sh
284   }
285   \label{
286     git_checkssh
287   }
288
289   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
290     git_checks.sh
291   }
292
293
294   \subsection{
295     latex/DevOrSysAdminScripts.tex.tpl
296   }
297   \label{
298     latex:DevOrSysAdminScriptstextpl
299   }
300
301   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
302     latex/DevOrSysAdminScripts.tex.tpl
303   }
304
305
306   \subsection{
307     LiensUtiles.txt
308   }
309   \label{
310     LiensUtilestxt
311   }
312
313   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
314     LiensUtiles.txt
315   }
316
317
318   \subsection{
319     pre-commit
320   }
```

```
321  \label{
322    pre-commit
323  }

324
325  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
326    pre-commit
327  }

328

329
330  \subsection{
331    README.md.tpl
332  }
333  \label{
334    READMEmdtpl
335  }

336
337  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
338    README.md.tpl
339  }

340

341
342  \subsection{
343    wget\_sha512.sh
344  }
345  \label{
346    wget_sha512sh
347  }

348
349  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
350    wget_sha512.sh
351  }

352

353
354  Merci Dieu ! Merci P\`ere ! Merci Seigneur ! Merci Saint Esprit !

355
356  \end{document}
```

2.18 LiensUtiles.txt

```
1  https://support.google.com/a/answer/9476255?hl=fr#zippy=%2C%C3%A9tape\
2  -configurez-le-service-de-migration-de-donn%C3%A9es
3  https://stackoverflow.com/a/78413334/5796086
4  https://stackoverflow.com/questions/21612980/\
5  why-is-usr-bin-env-bash-superior-to-bin-bash/78413334
6  https://web.archive.org/web/20240501105801/https://stackoverflow.com\
7  /questions/21612980/why-is-usr-bin-env-bash-superior-to-bin-bash/\
```

```
8  78413334#78413334
```

2.19   pre-commit

```
1  #!/usr/bin/env bash
2  # This file is part of DevOrSysAdminScripts library.
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9  # or (at your option) any later version.
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20 # along with DevOrSysAdminScripts.
21 # If not, see <https://www.gnu.org/licenses/>.
22 #
23 # ©Copyright 2023-2024 Laurent Lyaudet
24
25 . ../git_checks.sh
26
27 git_hook_error=0
28 if ! check_files
29 then
30   git_hook_error=1
31 fi
32 if ! check_no_abusive_trailing_comma
33 then
34   git_hook_error=1
35 fi
36 if ! check_black_code_formatting
37 then
38   git_hook_error=1
39 fi
40 if [ $git_hook_error -eq '1' ];
41 then
42   exit 1
```

```
43   fi
44   exit 0
```

2.20   README.md.tpl

```
1    # DevOrSysAdminScripts
2
3    [![CodeFactor-badge]][CodeFactor-package-page]
4    [![CodeClimateMaintainability-badge]][CodeClimateM13y-package-page]
5    [![Codacy-badge]][Codacy-package-page]
6    ![GitHub-top-language-badge]
7    ![GitHub-license-badge]
8    ![GitHub-code-size-in-bytes-badge]
9
10   |                    **Some "small" useful scripts**              |
11   |:---------------------------------------------------------------:|
12   | **for enhancing developpment or system-administrators tasks** |
13
14   Currently, the biggest part of this repository is in
15   a suite of shell scripts about build and checks that
16   I use in some of my other repositories.
17
18   [CodeFactor-badge]: https://www.codefactor.io/repository/github/\
19   llyaudet/DevOrSysAdminScripts/badge
20
21   [CodeFactor-package-page]: https://www.codefactor.io/repository/\
22   github/llyaudet/DevOrSysAdminScripts
23
24   [CodeClimateMaintainability-badge]: https://api.codeclimate.com/v1/\
25   badges/b619ce83a81cc4a55e18/maintainability
26
27   [CodeClimateM13y-package-page]: https://codeclimate.com/\
28   github/LLyaudet/DevOrSysAdminScripts/maintainability
29
30   [Codacy-badge]: https://app.codacy.com/project/badge/Grade/\
31   3dd6ef85e8db4460991d1ebc404b68dd
32
33   [Codacy-package-page]: https://app.codacy.com/gh/LLyaudet/\
34   DevOrSysAdminScripts/dashboard?utm_source=gh&utm_medium=referral\
35   &utm_content=&utm_campaign=Badge_grade
36
37   [GitHub-top-language-badge]: https://img.shields.io/github/\
38   languages/top/llyaudet/DevOrSysAdminScripts
39
40   [GitHub-license-badge]: https://img.shields.io/github/license/\
41   llyaudet/DevOrSysAdminScripts
```

```
42
[GitHub-code-size-in-bytes-badge]: https://img.shields.io/github/\
languages/code-size/llyaudet/DevOrSysAdminScripts
```

2.21   wget_sha512.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
4   # DevOrSysAdminScripts is free software:
5   # you can redistribute it and/or modify it under the terms
6   # of the GNU Lesser General Public License
7   # as published by the Free Software Foundation,
8   # either version 3 of the License,
9   # or (at your option) any later version.
10  #
11  # DevOrSysAdminScripts is distributed in the hope
12  # that it will be useful,
13  # but WITHOUT ANY WARRANTY;
14  # without even the implied warranty of
15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
18  # You should have received a copy of
19  # the GNU Lesser General Public License
20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  wget_sha512(){
26    # $1 filename
27    # $2 download_URL
28    # $3 correct_sha512
29    if [[ ! -f "$1" ]];
30    then
31      wget -O "$1" "$2"
32    fi
33    present_sha512=$(sha512sum "$1" | cut -f1 -d' ')
34    if [[ "$present_sha512" != "$3" ]];
35    then
36      echo "$1 does not have correct sha512"
37      echo "wanted $3"
38      echo "found $present_sha512"
39      exit
40    fi
```

41 }

Merci Dieu ! Merci Père ! Merci Seigneur ! Merci Saint Esprit !