

DevOrSysAdminScripts

Laurent Lyaudet

<https://lyaudet.eu/laurent/>

laurent.lyaudet@gmail.com

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Abstract

Some “small” useful scripts for enhancing development or system-administrators tasks

Current version: 2024-05-06

Current number of commits: 49

Current git SHA1: 942d9fc5e70557a496ffe8f088e9ae29ae8d8cff

Code lines: 2956 total lines, 2956 not empty lines, 0 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
├── git_checks.sh
└── latex
```

```

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

```

3 directories, 24 files

```

[4.0K May  6 01:29] ./
├── [4.0K May  6 01:17] 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 01:17] check_URLs.sh
│   ├── [5.3K May  6 01:17] common_build_and_checks.sh*
│   ├── [3.8K May  6 00:49] common_build_and_checks.sh.tpl
│   ├── [6.6K May  6 01:07] create_PDF.sh*
│   ├── [1.6K May  6 00:49] get_common_text_glob_patterns.sh
│   ├── [1.6K May  6 01:14] lines_counts.sh
│   ├── [2.3K May  6 01:03] lines_filters.sh
│   ├── [1.3K May  6 00:49] python_black_complement.sh
│   ├── [1.2K May  6 01:05] python_isort_complement.sh
│   ├── [1.1K May  6 01:16] too_long_code_lines.sh
│   └── [2.1K May  6 00:49] update_common_build_and_checks.sh*
├── [1.5K May  6 01:17] build_and_checks.sh*
├── [ 34K May  6 00:49] COPYING
├── [7.5K May  6 00:49] COPYING.LESSER
├── [2.2K May  6 00:49] git_checks.sh
├── [4.0K May  6 01:29] latex/
│   └── [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 01:29] README.md
├── [1.6K May  6 00:49] README.md.tpl
└── [1.1K May  6 00:49] wget_sha512.sh

```

3 directories, 24 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

```
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="$URL_beginning/common_build_and_checks.sh"
35 @sha512_common_build_and_checks.sh@
36 wget_sha512 "$subdir/common_build_and_checks.sh" "$script" \
37     "$correct_sha512"
38 chmod +x "$subdir/common_build_and_checks.sh"
39
40 cwd="."
41 if [[ -n "$1" ]];
42 then
43     cwd="$1"
44 fi
```

```
45
46 ./build_and_checks_dependencies/common_build_and_checks.sh "$cwd"
```

2.2 build_and_checks_dependencies/build_md_from_printable_md.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,
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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 sed_expression='s/(\[[a-zA-Z0-9-]*\]: [^\n\\]*)\\n\\1/Mg'
26 sed_expression+=';s/(<http[^\n\\]*)\\n\\1/Mg'
27 sed_expression+=';s/(- <http[^\n\\]*)\\n\\1/Mg'
28
29 pushd .
30 if [[ -n "$1" ]];
31 then
32     cd "$1"
33 fi
34
35 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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7  # as published by the Free Software Foundation,
8  # either version 3 of the License,
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.
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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 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.
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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.
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22 #
23 # ©Copyright 2023–2024 Laurent Lyaudet

```

```

24
25 source ./wget_sha512.sh
26
27 personal_github="https://raw.githubusercontent.com/LLyaudet/"
28 dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
29 URL_beginning="$personal_github$dependencies"
30
31 subdir="build_and_checks_dependencies"
32
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 "$subdir/build_md_from_printable_md.sh"
40
41 script="$URL_beginning/check_shell_scripts_beginning.sh"
42 correct_sha512='faf7felc59b177d0f74afee6e8fb94e14bf7041b74a36afc41d6d'
43 correct_sha512+='e71b6325af1d42f5c816024d311751d6e40c197c52ac97188c9c'
44 correct_sha512+='e75ea4937b966d2b0ff4ac7'
45 wget_sha512 "$subdir/check_shell_scripts_beginning.sh" "$script" \
46     "$correct_sha512"
47
48 script="$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" "$correct_sha512"
53
54 script="$URL_beginning/create_PDF.sh"
55 correct_sha512='89c777a74b531f9cc6228761da65e83d931b7981d0dc599c982a2'
56 correct_sha512+='c59bd5fc85c356639b5ca43df06482ef64bc21a12bc214c5e58a'
57 correct_sha512+='09c52db7fcd0b33b90ff93d'
58 wget_sha512 "$subdir/create_PDF.sh" "$script" "$correct_sha512"
59 chmod +x "$subdir/create_PDF.sh"
60
61 script="$URL_beginning/get_common_text_glob_patterns.sh"
62 correct_sha512='5971e48d543a93c5c14129ea05c31795911a3f17931c883a04518'
63 correct_sha512+='ac610b65900d6d578626125a2f1d9c1d3cc20d9792e49bff0d8f'
64 correct_sha512+='6da0c4f59c140b29e539c80'
65 wget_sha512 "$subdir/get_common_text_glob_patterns.sh" "$script" \
66     "$correct_sha512"
67
68 script="$URL_beginning/lines_counts.sh"
69 correct_sha512='6ff48be04b5894aee1b718e2281414e31e74c5d9c8ab98ba7fe26'

```



```

70 correct_sha512+= 'bd7f3d5dc906ae309b0a4890f23083ab63073e73583087c2a8fb'
71 correct_sha512+= 'b0a52eaa032f191621b9150'
72 wget_sha512 "$subdir/lines_counts.sh" "$script" "$correct_sha512"
73
74 script="$URL_beginning/lines_filters.sh"
75 correct_sha512='b476606ae910ac521064ffa4930218bd9c9a09c446575ded78ed7'
76 correct_sha512+= '8eea2e2ea576f7b945e2ab56f0c9ef723b6e785b9c9db62e8211'
77 correct_sha512+= '98908fd97fc31433860e996'
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+= 'ce6370fcf1bdbbea5820ab13'
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+= '6ac55c21b42d1070aabbfbfa200883f7c69e2b0e3ef516862e4ad'
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"
110
111 cwd="."
112 if [[ -n "$1" ]];
113 then
114     cwd="$1"
115 fi

```

```

116
117 echo "Building README.md"
118 ./build_and_checks_dependencies/build_md_from_printable_md.sh "$cwd"
119
120 pushd .
121 cd "$cwd"
122
123 echo "Running isort"
124 isort .
125 python_isort_complement
126
127 echo "Running black"
128 black .
129 python_black_complement
130
131 find . -name "pyproject.toml" | relevant_find\
132 | while read -r filename;
133 do
134     if grep -q "Typing :: Typed" "$filename"; then
135         echo "Running mypy"
136         mypy $(dirname "$filename")
137     fi
138 done
139
140 echo "Analyzing too long lines"
141 too_long_code_lines | relevant_grep
142
143 echo "Analyzing shell scripts beginning"
144 check_shell_scripts_beginning | relevant_grep
145
146 echo "Analyzing URLs"
147 check_URLs | relevant_grep
148
149 echo "Creating the PDF file of the listing of the source code"
150 ./build_and_checks_dependencies/create_PDF.sh
151
152 popd

```

2.6 build_and_checks_dependencies/common_build_and_checks.sh.tpl

```

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

```

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21 # If not, see <https://www.gnu.org/licenses/>.
22 #
23 # ©Copyright 2023-2024 Laurent Lyaudet
24
25 source ./wget_sha512.sh
26
27 personal_github="https://raw.githubusercontent.com/LLyaudet/"
28 dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
29 URL_beginning="$personal_github$dependencies"
30
31 subdir="build_and_checks_dependencies"
32
33 script="$URL_beginning/build_md_from_printable_md.sh"
34 @sha512_build_md_from_printable_md.sh@
35 wget_sha512 "$subdir/build_md_from_printable_md.sh" "$script" \
36 "$correct_sha512"
37 chmod +x "$subdir/build_md_from_printable_md.sh"
38
39 script="$URL_beginning/check_shell_scripts_beginning.sh"
40 @sha512_check_shell_scripts_beginning.sh@
41 wget_sha512 "$subdir/check_shell_scripts_beginning.sh" "$script" \
42 "$correct_sha512"
43
44 script="$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
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

```

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

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22 #
23 # ©Copyright 2023-2024 Laurent Lyaudet
24
25 current_path=$(pwd)
26 main_directory=$(basename "$current_path")
27
28 subdir="build_and_checks_dependencies"
29 source "$subdir/lines_counts.sh"
30 source "$subdir/lines_filters.sh"
31
32 cp "$main_directory.tex.tpl" \
33    "$main_directory.tex"
34 # We need a variant of the template with long lines.
35 cp "$main_directory.tex.tpl" \
36    "$main_directory.tex.tpl2"
37 sed -i -Ez "s/%%\n/Mg" "$main_directory.tex.tpl2"
38
39 current_date=$(date -I"date")
40 sed -i "s|@current_date@|$current_date|g" \
41    "$main_directory.tex"
42
43 current_git_SHA1=$(git rev-parse HEAD)
44 sed -i "s|@current_git_SHA1@|$current_git_SHA1|g" \
45    "$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    "$main_directory.tex"
50
51 number_of_lines="$(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    "$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.pdf"\
62     -I "$main_directory.tex"\
63     -I "$main_directory.tex.tpl2"\
64     -I current_tree.txt\
65     -I current_tree_light.txt\
66     -I "node_modules/"\
67     -I "package-lock.json"\
68     -I "__pycache__/"\
69     -I ".mypy_cache/"\
70     -I ".git/"\
71     > current_tree_light.txt
72
73 tree -a -DFh --gitignore\
74     -I "$main_directory.aux"\
75     -I "$main_directory.log"\
76     -I "$main_directory.out"\
77     -I "$main_directory.pdf"\
78     -I "$main_directory.tex"\
79     -I "$main_directory.tex.tpl2"\
80     -I current_tree.txt\
81     -I current_tree_light.txt\
82     -I "node_modules/"\
83     -I "package-lock.json"\
84     -I "__pycache__/"\
85     -I ".mypy_cache/"\
86     -I ".git/"\
87     > current_tree.txt
88
89 shopt -s dotglob
90 find . -type f -printf '%P\n' | relevant_find | sort\
91     | while read -r filename;
92 do
93     [ -f "$filename" ] || continue
94     git check-ignore -q "$filename" && continue
95     base_filename=$(basename "$filename")
96     [ "$base_filename" != "current_tree_light.txt" ] || continue
97     [ "$base_filename" != "current_tree.txt" ] || continue
98     [ "$base_filename" != "COPYING" ] || continue
99     [ "$base_filename" != "COPYING.LESSER" ] || continue
100    [ "$base_filename" != "$main_directory.pdf" ] || continue
101    [ "$base_filename" != "$main_directory.tex" ] || continue

```

```

102 [ "$base_filename" != "$main_directory.tex.tpl2" ] || continue
103 if [[ "$base_filename" == *.md ]]; then
104     if [ -f "$filename.tpl" ]; then
105         # in_place_grep -v "$base_filename$" current_tree.txt
106         # in_place_grep -v "$base_filename$" current_tree_light.txt
107         continue
108     fi
109 fi
110 cleaned_path1=$(sed -e 's/_/\_\_/g' <(echo "$filename"))
111 cleaned_path2=$(sed -e 's/\//:/g' -e 's/\././g' <(echo "$filename"))
112 if grep -q " $filename\$" ". /latex/$main_directory.tex.tpl2"; then
113     echo ""
114     # sed -i -Ez\
115     #   "s/$filename\n/\
116     #   ${filename/./\./g}\\hyperref\${${filename/./\./g}}\n/Mg"\
117     #   "current_tree_light.txt"
118 else
119     echo "The file $filename is not listed"\
120     " in ./latex/$main_directory.tex.tpl"
121     echo "TODO:\subsection{"
122     echo "TODO: $cleaned_path1"
123     echo "TODO:}"
124     echo "TODO:\label{"
125     echo "TODO: $cleaned_path2"
126     echo "TODO:}"
127     echo "TODO:"
128     echo "TODO:\VerbatimInput[numbers=left,xleftmargin=-5mm] {"
129     echo "TODO: $filename"
130     echo "TODO:}"
131     echo "TODO:"
132     echo "TODO:"
133 fi
134 done
135 shopt -u dotglob
136 shopt -s globstar
137
138 split_last_line(){
139     # $1=$new_lines
140     # $2=$prefix
141     split_last_line_result="$1"
142     if echo "$1" | sed -e 's/\\n/\\n/g' | grep -q '.\{71\}$'; then
143         start=$(echo "$1" | sed -e 's/\\n/\\n/g' | head --lines=-1)
144         # echo "start: $start"
145         last_line=$(echo "$1" | sed -e 's/\\n/\\n/g' | tail --lines=1)
146         # echo "last_line: $last_line"
147         split_last_line_result=""

```



```

148     if [[ -n "$start" ]]; then
149         split_last_line_result="$start\n"
150     fi
151     split_last_line_result+="${last_line:0:69}\n"
152     split_last_line_result+="$2${last_line:69}"
153 fi
154 }
155
156 # We verify if some lines are beyond 70 characters
157 # in current_tree_light.txt et current_tree.txt.
158 trees=("current_tree_light.txt" "current_tree.txt")
159 for some_tree in "${trees[@]}; do
160     grep '\.{71}\}' "$some_tree" | while read -r some_line; do
161         # echo "some_line: $some_line"
162         prefix=$(
163             echo "$some_line" \
164                 | sed -E -e 's/(.*)-[^-]+$/\1/g' -e 's/[^ ]+$/g' \
165         )
166         prefix+="| "
167         # echo "prefix: $prefix"
168         filename=$(
169             echo "$some_line" \
170                 | sed -E 's|.* (([a-zA-Z0-9\._/-]+).)$|\1|g' \
171         )
172         # echo "filename: $filename"
173         line_start=$(
174             echo "$some_line" \
175                 | sed -E "s/(.*)[ ]*$filename/\1/g" \
176         )
177         # echo "line_start: $line_start"
178         some_line=$(
179             echo "$some_line" \
180                 | sed -E -e 's/[\\\/\[\]/g' -e 's/\]/\\\]/g' \
181         )
182         new_lines="$prefix$filename"
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=$split_last_line_result
189         split_last_line "$new_lines" "$prefix"
190         new_lines=$split_last_line_result
191         sed -i -e "s/$some_line/$line_start\n$new_lines/g" "$some_tree"
192     done
193 done

```

```

194
195 sed -i -e '/@current_tree_light@/{r current_tree_light.txt' -e 'd}'\
196     "./latex/$main_directory.tex"
197 sed -i -e '/@current_tree@/{r current_tree.txt' -e 'd}'\
198     "./latex/$main_directory.tex"
199
200 pdflatex "./latex/$main_directory.tex" > /dev/null
201 pdflatex "./latex/$main_directory.tex" > /dev/null
202 pdflatex "./latex/$main_directory.tex" > /dev/null
203
204 files_to_delete=(\
205     "$main_directory.aux"\
206     "$main_directory.log"\
207     "$main_directory.out"\
208     "current_tree.txt"
209     "current_tree_light.txt"
210     "./latex/$main_directory.tex.tpl2"
211 )
212 # Comment the following line if you need to debug.
213 for filename in "${files_to_delete[@]}"; do
214     rm -f "$filename"
215 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          '**/*.yaml' \
45          '**/COPYING' \
46          '**/COPYING.LESSER' \
47          '**/pre-commit' \
48      )
49  }
50
51
52  get_common_text_files_glob_patterns() {
53      export common_file_patterns=(\
54          '*.c' \
55          '*.css' \
56          '*.h' \
57          '*.htm' \
58          '*.html' \
59          '*.js' \
60          '*.json' \
61          '*.md' \
62          '*.php' \
63          '*.py' \
64          '*.sh' \
65          '*.sql' \
66          '*.tex' \
67          '*.toml' \

```

```

68     '*.tpl'\
69     '*.ts'\
70     '*.txt'\
71     '*.yaml'\
72     'COPYING'\
73     'COPYING.LESSER'\
74     'pre-commit'\
75 )
76 }

```

2.9 build_and_checks_dependencies/lines_counts.sh

```

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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 }
41
42 all_self_empty_code_lines() {
43     all_self_code_lines | empty_lines
44 }
45
46 all_self_not_empty_code_lines() {
47     all_self_code_lines | not_empty_lines
48 }
49
50 code_lines_count_all() {
51     all_self_code_lines | wc -l
52 }
53
54 code_lines_count_empty() {
55     all_self_empty_code_lines | wc -l
56 }
57
58 code_lines_count_not_empty() {
59     all_self_not_empty_code_lines | wc -l
60 }

```

2.10 build_and_checks_dependencies/lines_filters.sh

```

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17 #

```

```

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23 # ©Copyright 2023-2024 Laurent Lyaudet
24
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.
30
31 in_place_grep() {
32     grep $@ > "${!#}" ".temp_in_place_grep"
33     mv "${!#}" ".temp_in_place_grep" "${!#}"
34 }
35
36 empty_lines() {
37     grep '^$'
38 }
39
40 not_empty_lines() {
41     grep -v '^$'
42 }
43
44 space_starting_lines() {
45     grep '^[ ]'
46 }
47
48 not_space_starting_lines() {
49     grep '^[^ ]'
50 }
51
52 not_JS_dependencies_find() {
53     grep -vE "(^|/)node_modules/" | grep -vE "(^|/)package-lock\.json$"
54 }
55
56 not_JS_dependencies_grep() {
57     grep -v "^[^:]*node_modules/" | grep -v "^[^:]*package-lock\.json:"
58 }
59
60 not_dependencies_find() {
61     not_JS_dependencies_find
62 }
63

```

```

64 not_dependencies_grep() {
65     not_JS_dependencies_grep
66 }
67
68 not_python_cache_find() {
69     grep -vE "(^|/).__pycache__/" | grep -vE "(^|/)\.mypy_cache/"
70 }
71
72 not_python_cache_grep() {
73     grep -v "^[^:]*__pycache__/" | grep -v "^[^:]*\.mypy_cache/"
74 }
75
76 not_cache_find() {
77     not_python_cache_find
78 }
79
80 not_cache_grep() {
81     not_python_cache_grep
82 }
83
84 not_git_find() {
85     grep -vE "(^|/)\.git/"
86 }
87
88 not_git_grep() {
89     grep -v "^[^:]*\.git/"
90 }
91
92 not_archive_find() {
93     grep -vE "(\.gz|\.rar|\.tar|\.tgz|\.whl)$"
94 }
95
96 not_archive_grep() {
97     grep -vE "^[^:]*(\.gz|\.rar|\.tar|\.tgz|\.whl):"
98 }
99
100 relevant_find() {
101     not_dependencies_find | not_cache_find | not_git_find\
102     | not_archive_find
103 }
104
105 relevant_grep() {
106     not_dependencies_grep | not_cache_grep | not_git_grep\
107     | not_archive_grep
108 }

```

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 }
```

2.12 build_and_checks_dependencies/python_isort_complement.sh

```
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3  #
```



```

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24
25 subdir="build_and_checks_dependencies"
26 source "$subdir/lines_filters.sh"
27
28 check_collections_abc_place(){
29     echo "Checking import of _collections_abc is at the right place"
30     find . -name "*.py" | relevant_find | while read -r filename; do
31         [ -f "$filename" ] || continue
32         sed -i -Ez 's/\n(\nfrom _collections_abc[^\n]*)/\1\nMg'\
33             "$filename"
34     done
35 }
36
37 python_isort_complement(){
38     check_collections_abc_place
39 }

```

2.13 build_and_checks_dependencies/too_long_code_lines.sh

```

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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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24
25 cp ./common_build_and_checks.sh.tpl ./common_build_and_checks.sh
26
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 )
39
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@|$file_sha512_all|g"\
49         ./common_build_and_checks.sh
50 done
51
52 cp ./build_and_checks.sh.tpl ../build_and_checks.sh
53
54 file_sha512=$(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

```
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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="$URL_beginning/common_build_and_checks.sh"
35 correct_sha512='75524b2de5b597bbc0fdc1e298afbb2548bcde8706112b5181dd6'
36 correct_sha512+='8a4dc19eb7548b1e2e6b824153a0aa91a121395312ea54906e7d'
37 correct_sha512+='f487fb2305d2a009a5de6aa'
38 wget_sha512 "$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

```

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
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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 \documentclass{article}
26
27 \usepackage[utf8]{inputenc}
28 \usepackage{subfigure}
29 \usepackage{amsmath}
30 \usepackage{amssymb}
31 \usepackage{amsthm}
32 \usepackage[pdftex]{hyperref}
33 \usepackage{tikz}
34 \usepackage{caption}
35 \usepackage[round]{natbib}
36 \usepackage{fancyhdr}
37 \usepackage{amsfonts}
38 \usepackage{times}
39 \usepackage{ifpdf}
40 \usepackage{latexsym}
41 \usepackage{graphicx}
42 \usepackage{enumerate}
43 \usepackage{pmbboxdraw}
44 \usepackage{fancyvrb}
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{
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_checksstpl
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
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_filtersssh
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.
3  #
4  # DevOrSysAdminScripts is free software:
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6  # of the GNU Lesser General Public License
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8  # either version 3 of the License,
9  # or (at your option) any later version.
10 #
11 # DevOrSysAdminScripts is distributed in the hope
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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 . ../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
43 [GitHub-code-size-in-bytes-badge]: https://img.shields.io/github/\
44 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 !