

DevOrSysAdminScripts

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May 5, 2024

Abstract

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

Current version : 2024-05-05

1 Files tree

```
.
├── build_and_checks_dependencies
│   ├── build_and_checks.sh.tpl
│   ├── build_readme.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
│   ├── python_black_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
│   └── DevOrSysAdminScripts.tex.tpl2
├── LiensUtiles.txt
├── pre-commit
├── README_printable.md
└── wget_sha512.sh
```

3 directories, 21 files

```
[4.0K May  5 01:36] ./
├── [4.0K May  5 01:35] build_and_checks_dependencies/
│   ├── [1.4K May  4 02:33] build_and_checks.sh.tpl*
│   ├── [1.4K May  4 02:24] build_readme.sh*
│   ├── [1.0K May  4 02:24] check_shell_scripts_beginning.sh
│   ├── [1.7K May  5 01:35] check_URLs.sh
│   ├── [4.1K May  5 01:35] common_build_and_checks.sh*
│   ├── [3.0K May  5 01:35] common_build_and_checks.sh.tpl
│   ├── [3.8K May  5 01:22] create_PDF.sh*
│   ├── [1.2K May  5 00:53] get_common_text_glob_patterns.sh
│   ├── [1.3K May  4 02:24] python_black_complement.sh
│   ├── [1.1K May  5 01:24] too_long_code_lines.sh
│   └── [2.0K May  4 19:46] update_common_build_and_checks.sh*
├── [1.5K May  5 01:35] build_and_checks.sh*
├── [ 34K May  4 02:24] COPYING
├── [7.5K May  3 21:45] COPYING.LESSER
├── [2.2K May  4 02:24] git_checks.sh
├── [4.0K May  5 01:36] latex/
│   ├── [6.0K May  5 01:06] DevOrSysAdminScripts.tex.tpl
│   └── [6.0K May  5 01:36] DevOrSysAdminScripts.tex.tpl2
├── [ 424 May  3 21:45] LiensUtiles.txt
├── [1.0K May  1 13:27] pre-commit
├── [1.6K May  4 18:50] README_printable.md
└── [1.1K May  4 02:52] wget_sha512.sh
```

3 directories, 21 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/too_long_code_lines.sh

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

```

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9  # or (at your option) any later version.
10 #
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15 # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
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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
24
25 subdir="build_and_checks_dependencies"
26 source "$subdir/get_common_text_glob_patterns.sh"
27
28 too_long_code_lines(){
29     get_common_text_glob_patterns
30     for pattern in "${common_patterns[@]}"; do
31         [ "$1" != "-v" ] || echo "Iterating on pattern: $pattern"
32         grep -r -H '\.{71\}' -- $pattern
33     done
34 }

```

2.2 build_and_checks_dependencies/create_PDF.sh

```

1  #!/usr/bin/env bash
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```

```

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22 #
23 # ©Copyright 2023–2024 Laurent Lyaudet
24
25 current_path=$(pwd)
26 main_directory=$(basename $current_path)
27
28 cp "./latex/$main_directory.tex.tpl"\
29     "./latex/$main_directory.tex"
30 # We need a variant of the template with long lines.
31 cp "./latex/$main_directory.tex.tpl"\
32     "./latex/$main_directory.tex.tpl2"
33 sed -i -Ez "s/%\n//Mg" "./latex/$main_directory.tex.tpl2"
34
35 current_date=$(date -I"date")
36 sed -i "s|@current_date@|$current_date|g"\
37     "./latex/$main_directory.tex"
38
39 tree --gitignore\
40     -I "$main_directory.aux"\
41     -I "$main_directory.log"\
42     -I "$main_directory.out"\
43     -I "$main_directory.pdf"\
44     -I "$main_directory.tex"\
45     -I current_tree.txt\
46     -I current_tree_light.txt\
47     -I README.md\
48     > current_tree_light.txt
49
50 tree -DFh --gitignore\
51     -I "$main_directory.aux"\
52     -I "$main_directory.log"\
53     -I "$main_directory.out"\
54     -I "$main_directory.pdf"\
55     -I "$main_directory.tex"\
56     -I current_tree.txt\
57     -I current_tree_light.txt\
58     -I README.md\
59     > current_tree.txt
60
61 shopt -s dotglob
62 find * -type f | grep -v '.git/' | while read filename; do

```

```

63 [ -f "$filename" ] || continue
64 git check-ignore -q "$filename" && continue
65 base_filename=$(basename "$filename")
66 [ "$base_filename" != "current_tree_light.txt" ] || continue
67 [ "$base_filename" != "current_tree.txt" ] || continue
68 [ "$base_filename" != "COPYING" ] || continue
69 [ "$base_filename" != "COPYING.LESSER" ] || continue
70 [ "$base_filename" != "README.md" ] || continue
71 [ "$base_filename" != "$main_directory.pdf" ] || continue
72 [ "$base_filename" != "$main_directory.tex" ] || continue
73 [ "$base_filename" != "$main_directory.tex.tpl2" ] || continue
74 cleaned_path1=$(sed -e 's/_/\_\_/g' <(echo "$filename"))
75 cleaned_path2=$(sed -e 's/\//:/g' -e 's/\././g' <(echo "$filename"))
76 if grep -q " $filename\$" ". /latex/$main_directory.tex.tpl2"; then
77     echo ""
78     # sed -i -Ez\
79     #   "s/$filename\n/\
80     #   ${filename/./\./g}\hyperref\{{filename/./\./g}\}\n/Mg"\
81     #   "current_tree_light.txt"
82 else
83     echo "The file $filename is not listed"\
84     " in ./latex/$main_directory.tex.tpl"
85     echo "TODO:\subsection{"
86     echo "TODO: $cleaned_path1"
87     echo "TODO:}"
88     echo "TODO:\label{"
89     echo "TODO: $cleaned_path2"
90     echo "TODO:}"
91     echo "TODO:"
92     echo "TODO:\VerbatimInput[numbers=left,xleftmargin=-5mm] {"
93     echo "TODO: $filename"
94     echo "TODO:}"
95     echo "TODO:"
96     echo "TODO:"
97 fi
98 done
99 shopt -u dotglob
100 shopt -s globstar
101
102 sed -i -e '/@current_tree_light@/{r current_tree_light.txt' -e 'd}'\
103     ". /latex/$main_directory.tex"
104 sed -i -e '/@current_tree@/{r current_tree.txt' -e 'd}'\
105     ". /latex/$main_directory.tex"
106
107 pdflatex ". /latex/$main_directory.tex" > /dev/null
108 pdflatex ". /latex/$main_directory.tex" > /dev/null

```

```

109 pdflatex "./latex/$main_directory.tex" > /dev/null
110
111 files_to_delete=(\
112     "$main_directory.aux"\
113     "$main_directory.log"\
114     "$main_directory.out"\
115     "current_tree.txt"
116     "current_tree_light.txt"
117     "./latex/$main_directory.tex.tpl2"
118 )
119 # Comment the following line if you need to debug.
120 for filename in "${files_to_delete[@]}"; do
121     rm -f $filename
122 done

```

2.3 build_and_checks_dependencies/get_common_text_glob_patterns.sh

```

1  #!/usr/bin/env bash
2  # This file is part of DevOrSysAdminScripts library.
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23 # ©Copyright 2023–2024 Laurent Lyaudet
24
25 get_common_text_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 )
48 }

```

2.4 build_and_checks_dependencies/python_black_complement.sh

```

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```

```

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 }

```

2.5 build_and_checks_dependencies/common_build_and_checks.sh.tpl

```

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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="$URL_beginning/build_readme.sh"
34   @sha512_build_readme.sh@
35   wget_sha512 "$subdir/build_readme.sh" "$script" "$correct_sha512"
36   chmod +x "$subdir/build_readme.sh"
37
38   script="$URL_beginning/check_shell_scripts_beginning.sh"
39   @sha512_check_shell_scripts_beginning.sh@
40   wget_sha512 "$subdir/check_shell_scripts_beginning.sh" "$script" \
41     "$correct_sha512"
42
43   script="$URL_beginning/check_URLs.sh"
44   @sha512_check_URLs.sh@
45   wget_sha512 "$subdir/check_URLs.sh" "$script" "$correct_sha512"
46
47   script="$URL_beginning/create_PDF.sh"
48   @sha512_create_PDF.sh@
49   wget_sha512 "$subdir/create_PDF.sh" "$script" "$correct_sha512"
50   chmod +x "$subdir/create_PDF.sh"
51
52   script="$URL_beginning/get_common_text_glob_patterns.sh"
53   @sha512_get_common_text_glob_patterns.sh@
54   wget_sha512 "$subdir/get_common_text_glob_patterns.sh" "$script" \
55     "$correct_sha512"
56
57   script="$URL_beginning/python_black_complement.sh"
58   @sha512_python_black_complement.sh@
59   wget_sha512 "$subdir/python_black_complement.sh" "$script" \
60     "$correct_sha512"
61
62   script="$URL_beginning/too_long_code_lines.sh"
63   @sha512_too_long_code_lines.sh@
64   wget_sha512 "$subdir/too_long_code_lines.sh" "$script" \
65     "$correct_sha512"
66
67   shopt -s globstar
68   source "$subdir/check_shell_scripts_beginning.sh"
69   source "$subdir/check_URLs.sh"
70   source "$subdir/get_common_text_glob_patterns.sh"
71   source "$subdir/python_black_complement.sh"
72   source "$subdir/too_long_code_lines.sh"
73
74   cwd="."
75   if [[ -n "$1" ]];

```

```

76 then
77     cwd="$1"
78 fi
79
80 echo "Building README.md"
81 ./build_and_checks_dependencies/build_readme.sh "$cwd"
82
83 pushd .
84 cd "$cwd"
85
86 echo "Running isort"
87 isort .
88
89 echo "Running black"
90 black .
91 python_black_complement
92
93 echo "Running mypy"
94 mypy .
95
96 echo "Analyzing too long lines"
97 too_long_code_lines | grep -v "node_modules/"\
98     | grep -v "package-lock.json"
99
100 echo "Analyzing shell scripts beginning"
101 check_shell_scripts_beginning | grep -v "node_modules/"\
102     | grep -v "package-lock.json"
103
104 echo "Analyzing URLs"
105 check_URLs | grep -v "node_modules/"\
106     | grep -v "package-lock.json"
107
108 ./build_and_checks_dependencies/create_PDF.sh
109
110 popd

```

2.6 build_and_checks_dependencies/build_and_checks.sh.tpl

```

1 #!/usr/bin/env bash
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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="$URL_beginning/common_build_and_checks.sh"
35 @sha512_common_build_and_checks.sh@
36 wget_sha512 "$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"

```

2.7 build_and_checks_dependencies/common build and checks.sh

```

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```

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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="$URL_beginning/build_readme.sh"
34 correct_sha512='a60224c89e6dd94360057bba41ba30b83b4b84c11679a779e3f46'
35 correct_sha512+='f4187fe5ae65b970c1cc5e5ce15bd39f0fe8c589abd153d4c57a'
36 correct_sha512+='3277c209303d0de9926b234'
37 wget_sha512 "$subdir/build_readme.sh" "$script" "$correct_sha512"
38 chmod +x "$subdir/build_readme.sh"
39
40 script="$URL_beginning/check_shell_scripts_beginning.sh"
41 correct_sha512='faf7felc59b177d0f74afee6e8fb94e14bf7041b74a36afc41d6d'
42 correct_sha512+='e71b6325af1d42f5c816024d311751d6e40c197c52ac97188c9c'
43 correct_sha512+='e75ea4937b966d2b0ff4ac7'
44 wget_sha512 "$subdir/check_shell_scripts_beginning.sh" "$script" \
45     "$correct_sha512"
46
47 script="$URL_beginning/check_URLs.sh"
48 correct_sha512='5c702028ab69fc9668d1d1db5bd2ad09eac0ab1cf749463d34387'
49 correct_sha512+='b87c1db9148f52e5f645407a810d96f2b02c49cd4ed0780eacf'
50 correct_sha512+='7e94d2f65671ca634319523'
51 wget_sha512 "$subdir/check_URLs.sh" "$script" "$correct_sha512"

```

```

52
53 script="$URL_beginning/create_PDF.sh"
54 correct_sha512='111e421e4a316c80543f099928f3d324cab2c593e848bce4310c1'
55 correct_sha512+='d0c16e668d1d53e7cc754c1e22a2609dc4bc771bec1891402426'
56 correct_sha512+='392add7d75b3bfl9cf6c96'
57 wget_sha512 "$subdir/create_PDF.sh" "$script" "$correct_sha512"
58 chmod +x "$subdir/create_PDF.sh"
59
60 script="$URL_beginning/get_common_text_glob_patterns.sh"
61 correct_sha512='01ebe343563e729f4db880c4ce4bfb2a6c10c8daa4cfde80ee535'
62 correct_sha512+='1a81f29f99c54cc6ebad003855e86cc4436a4591a5050ef79fdf'
63 correct_sha512+='93abe52268d4421748e5b27'
64 wget_sha512 "$subdir/get_common_text_glob_patterns.sh" "$script" \
65     "$correct_sha512"
66
67 script="$URL_beginning/python_black_complement.sh"
68 correct_sha512='909ab2453a3448b45e92c60df216d86578528d5151bc8c5efb50b'
69 correct_sha512+='c8c4007d4c34adc7b2d583f3f5d9629cf37f163c813aebc3dec2'
70 correct_sha512+='ce6370fcf1bdbea5820ab13'
71 wget_sha512 "$subdir/python_black_complement.sh" "$script" \
72     "$correct_sha512"
73
74 script="$URL_beginning/too_long_code_lines.sh"
75 correct_sha512='94e209899adc7a8a165e08590a294fc29b8006900cb7eafc9bf95'
76 correct_sha512+='6ac9e2f659c6dccf1a55ffb4af1ce08743bf05ff6dc7e5768868'
77 correct_sha512+='78eddf56243972cecf4352'
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 "$subdir/python_black_complement.sh"
86 source "$subdir/too_long_code_lines.sh"
87
88 cwd="."
89 if [[ -n "$1" ]];
90 then
91     cwd="$1"
92 fi
93
94 echo "Building README.md"
95 ./build_and_checks_dependencies/build_readme.sh "$cwd"
96
97 pushd .

```

```

98 cd "$cwd"
99
100 echo "Running isort"
101 isort .
102
103 echo "Running black"
104 black .
105 python_black_complement
106
107 echo "Running mypy"
108 mypy .
109
110 echo "Analyzing too long lines"
111 too_long_code_lines | grep -v "node_modules/"\
112 | grep -v "package-lock.json"
113
114 echo "Analyzing shell scripts beginning"
115 check_shell_scripts_beginning | grep -v "node_modules/"\
116 | grep -v "package-lock.json"
117
118 echo "Analyzing URLs"
119 check_URLs | grep -v "node_modules/"\
120 | grep -v "package-lock.json"
121
122 ./build_and_checks_dependencies/create_PDF.sh
123
124 popd

```

2.8 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:
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 #
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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 }

```

2.9 build_and_checks_dependencies/check_URLs.sh

```

1 #!/usr/bin/env bash
2 # This file is part of DevOrSysAdminScripts library.
3 #
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24

```

```

25  subdir="build_and_checks_dependencies"
26  source "$subdir/get_common_text_glob_patterns.sh"
27
28  check_URLs() {
29      get_common_text_glob_patterns
30
31      declare -A substitutions
32      substitutions=(\
33          ["http://www.gnu.org/licenses/"]="https://www.gnu.org/licenses/"\
34      )
35
36      for pattern in "${common_patterns[@]}; do
37          [ "$1" != "-v" ] || echo "Iterating on pattern: $pattern"
38          grep -r -H 'http:' -- $pattern | grep -v check_URLs.sh
39          for filename in $pattern; do
40              [ -f "$filename" ] || continue
41              base_filename=$(basename "$filename")
42              [ "$base_filename" != "check_URLs.sh" ] || continue
43              [ "$1" != "-v" ] || echo "Handling the file: $filename"
44              for substitution in "${!substitutions[@]}; do
45                  substitution2=${substitutions[$substitution]}
46                  if grep -q "$substitution" "$filename"; then
47                      sed -i "s|$substitution|$substitution2|g" "$filename"
48                  fi
49              done
50          done
51      done
52  }

```

2.10 build_and_checks_dependencies/build_readme.sh

```

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



```

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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 "$1"
33 fi
34
35 if [[ -f README_printable.md ]];
36 then
37     sed -Ez "$sed_expression" README_printable.md > README_temp1.md
38     sed -Ez "$sed_expression" README_temp1.md > README_temp2.md
39     sed -Ez "$sed_expression" README_temp2.md > README_temp3.md
40     sed -Ez "$sed_expression" README_temp3.md > README.md
41     rm README_temp1.md README_temp2.md README_temp3.md
42 else
43     echo "No file README_printable.md"
44 fi
45
46 popd

```

2.11 build_and_checks_dependencies/update_common_build_and_checks.sh

```

1 #!/usr/bin/env bash
2 # This file is part of DevOrSysAdminScripts library.
3 #
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10 #
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```

```

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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 cp ./common_build_and_checks.sh.tpl ./common_build_and_checks.sh
26
27 file_names=(\
28     "build_readme.sh"\
29     "check_shell_scripts_beginning.sh"\
30     "check_URLs.sh"\
31     "create_PDF.sh"\
32     "get_common_text_glob_patterns.sh"\
33     "python_black_complement.sh"\
34     "too_long_code_lines.sh"\
35 )
36
37 for file_name in "${file_names[@]}; do
38     file_sha512=$(sha512sum ".$file_name" | cut -f1 -d' ')
39     file_sha512_1="correct_sha512='${file_sha512:0:53}'"
40     file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
41     file_sha512_3="correct_sha512\+='${file_sha512:105}'"
42     file_sha512_all="$file_sha512_1\n"
43     file_sha512_all+="$file_sha512_2\n"
44     file_sha512_all+="$file_sha512_3"
45     sed -i "s|@sha512_$file_name@|$file_sha512_all|g"\
46         ./common_build_and_checks.sh
47 done
48
49 cp ./build_and_checks.sh.tpl ../build_and_checks.sh
50
51 file_sha512=$(sha512sum common_build_and_checks.sh | cut -f1 -d' ')
52 file_sha512_1="correct_sha512='${file_sha512:0:53}'"
53 file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
54 file_sha512_3="correct_sha512\+='${file_sha512:105}'"
55 file_sha512_all="$file_sha512_1\n"
56 file_sha512_all+="$file_sha512_2\n"
57 file_sha512_all+="$file_sha512_3"
58 sed -i "s|@sha512_common_build_and_checks.sh@|$file_sha512_all|g"

```

59 ../build_and_checks.sh

2.12 build_and_checks.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 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="$URL_beginning/common_build_and_checks.sh"
35 correct_sha512='64ce0c0cc3e1d42c59c625298419e8467c9dc7a1a7116d0e6337b'
36 correct_sha512+='cf5c6cbe1c83ec56327ac609b62e4226ce77104b8e306142ced5'
37 correct_sha512+='a07a30e3aaff490b0fd967f'
38 wget_sha512 "$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"

```

2.13 git_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 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 }

```

2.14 latex/DevOrSysAdminScripts.tex.tpl

```

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

```

```

4 % DevOrSysAdminScripts is free software:
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15 % MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16 % See the GNU Lesser General Public License for more details.
17 %
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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 \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}{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 \section{Files tree}
74 \label{section:tree}
75
76 \begin{verbatim}
77 @current_tree_light@
78 \end{verbatim}
79
80 \begin{verbatim}
81 @current_tree@
82 \end{verbatim}
83
84 \section{Listing of files}
85 \label{section:listing}
86
87 The following source code is covered by LGPLv3+.
88 The text of the license is available at:
89 \url{https://www.gnu.org/licenses/}.
90 The git repository of this source code is also available at:
91 \url{https://github.com/LLyaudet/DevOrSysAdminScripts/}.
92
93
94 \subsection{
95   build\_and\_checks\_dependencies/too\_long\_code\_lines.sh

```

```

96 }
97 \label{
98   build_and_checks_dependencies:too_long_code_linessh
99 }
100
101 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
102   build_and_checks_dependencies/too_long_code_lines.sh
103 }
104
105
106 \subsection{
107   build\_and\_checks\_dependencies/create\_PDF.sh
108 }
109 \label{
110   build_and_checks_dependencies:create_PDFsh
111 }
112
113 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
114   build_and_checks_dependencies/create_PDF.sh
115 }
116
117
118 \subsection{
119   build\_and\_checks\_dependencies/get\_common\_text\_glob\_patterns%
120   .sh
121 }
122 \label{
123   build_and_checks_dependencies:get_common_text_glob_patterns%
124 }
125
126 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
127   build_and_checks_dependencies/get_common_text_glob_patterns.sh
128 }
129
130
131 \subsection{
132   build\_and\_checks\_dependencies/python\_black\_complement.sh
133 }
134 \label{
135   build_and_checks_dependencies:python_black_complementsh
136 }
137
138 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
139   build_and_checks_dependencies/python_black_complement.sh
140 }
141

```



```

142
143 \subsection{
144     build\_and\_checks\_dependencies/common\_build\_and\_checks.sh.tpl
145 }
146 \label{
147     build_and_checks_dependencies:common_build_and_checkssh.tpl
148 }
149
150 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
151     build_and_checks_dependencies/common_build_and_checks.sh.tpl
152 }
153
154
155 \subsection{
156     build\_and\_checks\_dependencies/build\_and\_checks.sh.tpl
157 }
158 \label{
159     build_and_checks_dependencies:build_and_checkssh.tpl
160 }
161
162 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
163     build_and_checks_dependencies/build_and_checks.sh.tpl
164 }
165
166
167 \subsection{
168     build\_and\_checks\_dependencies/common\_build\_and\_checks.sh
169 }
170 \label{
171     build_and_checks_dependencies:common_build_and_checkssh
172 }
173
174 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
175     build_and_checks_dependencies/common_build_and_checks.sh
176 }
177
178
179 \subsection{
180     build\_and\_checks\_dependencies/check\_shell\_scripts\_beginning.sh
181 }
182 \label{
183     build_and_checks_dependencies:check_shell_scripts_beginningsh
184 }
185
186 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
187     build_and_checks_dependencies/check_shell_scripts_beginning.sh

```

```

188 }
189
190
191 \subsection{
192     build\_and\_checks\_dependencies/check\_URLs.sh
193 }
194 \label{
195     build_and_checks_dependencies:check_URLssh
196 }
197
198 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
199     build_and_checks_dependencies/check_URLs.sh
200 }
201
202
203 \subsection{
204     build\_and\_checks\_dependencies/build\_readme.sh
205 }
206 \label{
207     build_and_checks_dependencies:build_readmesh
208 }
209
210 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
211     build_and_checks_dependencies/build_readme.sh
212 }
213
214
215 \subsection{
216     build\_and\_checks\_dependencies/update\_common\_build\_and\_checks%
217     .sh
218 }
219 \label{
220     build_and_checks_dependencies:update_common_build_and_checkssh
221 }
222
223 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
224     build_and_checks_dependencies/update_common_build_and_checks.sh
225 }
226
227
228 \subsection{
229     build\_and\_checks.sh
230 }
231 \label{
232     build_and_checkssh
233 }

```

```

234
235 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
236     build_and_checks.sh
237 }
238
239
240 \subsection{
241     git\_checks.sh
242 }
243 \label{
244     git_checkssh
245 }
246
247 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
248     git_checks.sh
249 }
250
251
252 \subsection{
253     latex/DevOrSysAdminScripts.tex.tpl
254 }
255 \label{
256     latex:DevOrSysAdminScriptstextpl
257 }
258
259 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
260     latex/DevOrSysAdminScripts.tex.tpl
261 }
262
263
264 \subsection{
265     LiensUtiles.txt
266 }
267 \label{
268     LiensUtilestxt
269 }
270
271 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
272     LiensUtiles.txt
273 }
274
275
276 \subsection{
277     pre-commit
278 }
279 \label{

```

```

280     pre-commit
281 }
282
283 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
284     pre-commit
285 }
286
287
288 \subsection{
289     README\_printable.md
290 }
291 \label{
292     README_printablemd
293 }
294
295 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
296     README_printable.md
297 }
298
299
300 \subsection{
301     wget\_sha512.sh
302 }
303 \label{
304     wget_sha512sh
305 }
306
307 \VerbatimInput[numbers=left,xleftmargin=-5mm]{
308     wget_sha512.sh
309 }
310
311
312 Merci Dieu ! Merci P\`ere ! Merci Seigneur ! Merci Saint Esprit !
313
314 \end{document}

```

2.15 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

```

2.16 pre-commit

```
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21 # If not, see <http://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
```

2.17 README_printable.md

```
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
19 [CodeFactor-badge]: https://www.codefactor.io/repository/github/\
20 llyaudet/DevOrSysAdminScripts/badge
21
22 [CodeFactor-package-page]: https://www.codefactor.io/repository/\
23 github/llyaudet/DevOrSysAdminScripts
24
25 [CodeClimateMaintainability-badge]: https://api.codeclimate.com/v1/\
26 badges/b619ce83a81cc4a55e18/maintainability
27
28 [CodeClimateM13y-package-page]: https://codeclimate.com/\
29 github/LLyaudet/DevOrSysAdminScripts/maintainability
30
31 [Codacy-badge]: https://app.codacy.com/project/badge/Grade/\
32 3dd6ef85e8db4460991d1ebc404b68dd
33
34 [Codacy-package-page]: https://app.codacy.com/gh/LLyaudet/\
35 DevOrSysAdminScripts/dashboard?utm_source=gh&utm_medium=referral\
36 &utm_content=&utm_campaign=Badge_grade
37
38 [GitHub-top-language-badge]: https://img.shields.io/github/\
39 languages/top/llyaudet/DevOrSysAdminScripts
40
41 [GitHub-license-badge]: https://img.shields.io/github/license/\
42 llyaudet/DevOrSysAdminScripts
43
44 [GitHub-code-size-in-bytes-badge]: https://img.shields.io/github/\
```

45 languages/code-size/llyaudet/DevOrSysAdminScripts

2.18 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,
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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
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 !