DevOrSysAdminScripts

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Abstract

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

Current version: 2024-05-17
Current number of commits: 84
Current git SHA1: 8f2cc7bf71b9653aa5254adac4d12699e2159f7c
Code lines: 3577 total lines, 3187 not empty lines, 390 empty lines.

1 Files tree

```
.
├── build_and_checks_dependencies
│   ├── build_and_checks.sh.tpl
│   ├── build_md_from_printable_md.sh
│   ├── check_shell_scripts_beginnings.sh
│   ├── check_URLs.sh
│   ├── common_build_and_checks.sh
│   ├── common_build_and_checks.sh.tpl
│   ├── comparisons.sh
│   ├── create_PDF.sh
│   ├── generate_from_template.sh
│   ├── get_common_text_glob_patterns.sh
│   ├── grammar_and_spell_check.sh
│   ├── licenses_templates
│   │   ├── build_licenses_templates.sh
│   │   ├── license_file_header_GPLv3+.c.tpl
│   │   ├── license_file_header_GPLv3+.py.tpl
│   │   ├── license_file_header_GPLv3+.sh.tpl
│   │   ├── license_file_header_GPLv3+.tex.tpl
│   │   ├── license_file_header_GPLv3+.tpl
│   │   ├── license_file_header_LGPLv3+.c
```

```
│           ├── license_file_header_LGPLv3+.c.tpl
│           ├── license_file_header_LGPLv3+.py
│           ├── license_file_header_LGPLv3+.py.tpl
│           ├── license_file_header_LGPLv3+.sh
│           ├── license_file_header_LGPLv3+.sh.tpl
│           ├── license_file_header_LGPLv3+.tex
│           ├── license_file_header_LGPLv3+.tex.tpl
│           └── license_file_header_LGPLv3+.tpl
│       ├── lines_counts.sh
│       ├── lines_filters.sh
│       ├── listings
│       │   ├── files_names_listing.txt
│       │   └── update_or_check_files_names_listing.sh
│       ├── overwrite_if_not_equal.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.html
├── DevOrSysAdminScripts.pdf
├── git_checks.sh
├── latex
│   ├── DevOrSysAdminScripts.tex
│   └── DevOrSysAdminScripts.tex.tpl
├── LiensUtiles.txt
├── pre-commit
├── README.md
├── README.md.tpl
├── repository_data.txt
└── wget_sha512.sh

5 directories, 49 files

[ 12K May 17 01:20]  ./
├── [4.0K May 17 01:20]  build_and_checks_dependencies/
│   ├── [1.5K May 17 01:12]  build_and_checks.sh.tpl*
│   ├── [1.7K May 16 13:46]  build_md_from_printable_md.sh*
│   ├── [1.2K May 16 19:53]  check_shell_scripts_beginnings.sh
│   ├── [1.9K May 16 15:23]  check_URLs.sh
│   ├── [8.6K May 17 01:20]  common_build_and_checks.sh*
│   ├── [5.8K May 17 01:20]  common_build_and_checks.sh.tpl
│   ├── [2.9K May 16 15:28]  comparisons.sh
│   ├── [6.6K May 16 21:19]  create_PDF.sh*
```

```
        ── [1.5K May 16 15:33]  generate_from_template.sh
        ── [1.7K May 16 02:42]  get_common_text_glob_patterns.sh
        ── [1.5K May 16 20:01]  grammar_and_spell_check.sh
        ── [4.0K May 17 01:20]  licenses_templates/
            ── [5.1K May 16 19:58]  build_licenses_templates.sh*
            ── [ 713 May 16 14:58]  license_file_header_GPLv3+.c.tpl
            ── [ 715 May 16 14:58]  license_file_header_GPLv3+.py.tpl
            ── [ 747 May 16 14:58]  license_file_header_GPLv3+.sh.tpl
            ── [ 747 May 16 14:58]  license_file_header_GPLv3+.tex.tpl
            ── [ 707 May 14 23:23]  license_file_header_GPLv3+.tpl
            ── [ 782 May 16 14:58]  license_file_header_LGPLv3+.c
            ── [ 734 May 16 14:58]  license_file_header_LGPLv3+.c.tpl
            ── [ 784 May 16 14:58]  license_file_header_LGPLv3+.py
            ── [ 736 May 16 14:58]  license_file_header_LGPLv3+.py.tpl
            ── [ 816 May 16 14:58]  license_file_header_LGPLv3+.sh
            ── [ 768 May 16 14:58]  license_file_header_LGPLv3+.sh.tpl
            ── [ 816 May 16 14:58]  license_file_header_LGPLv3+.tex
            ── [ 768 May 16 14:58]  license_file_header_LGPLv3+.tex.tpl
            ── [ 728 May 14 23:24]  license_file_header_LGPLv3+.tpl
        ── [1.7K May 16 15:15]  lines_counts.sh
        ── [5.4K May 16 20:41]  lines_filters.sh
        ── [4.0K May 17 01:11]  listings/
            ── [2.6K May 17 01:10]  files_names_listing.txt
            ── [2.8K May 17 01:11]  *
          │ update_or_check_files_names_listing.sh**
        ── [1.1K May 16 15:32]  overwrite_if_not_equal.sh
        ── [1.3K May 16 02:43]  python_black_complement.sh
        ── [1.5K May 16 15:27]  python_isort_complement.sh
        ── [1.2K May 16 15:32]  too_long_code_lines.sh
        ── [2.5K May 17 01:15]  update_common_build_and_checks.sh*
── [1.6K May 17 01:20]  build_and_checks.sh*
── [ 34K May  6 00:49]  COPYING
── [7.5K May  6 00:49]  COPYING.LESSER
── [ 15K May 14 18:40]  DevOrSysAdminScripts.html
── [145K May 17 01:16]  DevOrSysAdminScripts.pdf
── [2.5K May 16 15:31]  git_checks.sh
── [4.0K May 17 01:20]  latex/
    ── [ 13K May 17 01:20]  DevOrSysAdminScripts.tex
    ── [ 13K May 16 19:42]  DevOrSysAdminScripts.tex.tpl
── [ 424 May  6 00:49]  LiensUtiles.txt
── [1.1K May 16 02:44]  pre-commit
── [1.6K May 16 14:58]  README.md
── [1.6K May 15 18:00]  README.md.tpl
── [ 629 May 16 18:41]  repository_data.txt
── [1.2K May 16 15:27]  wget_sha512.sh
```

```
5 directories, 49 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,
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10 #
11 # DevOrSysAdminScripts is distributed in the hope
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17 #
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20 # along with DevOrSysAdminScripts.
21 # If not, see <https://www.gnu.org/licenses/>.
22 #
23 # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25 source ./wget_sha512.sh
26
27 mkdir -p build_and_checks_dependencies/licenses_templates
28 mkdir -p build_and_checks_dependencies/listings
29 subdir="build_and_checks_dependencies"
30
31 personal_github="https://raw.githubusercontent.com/LLyaudet/"
32 dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
33 URL_beginning="$personal_github$dependencies"
34
35 script="$URL_beginning/common_build_and_checks.sh"
```

```
36  @sha512_common_build_and_checks.sh@
37  wget_sha512 "./$subdir/common_build_and_checks.sh" "$script"\
38    "$correct_sha512"
39  chmod +x "./$subdir/common_build_and_checks.sh"
40
41  cwd="."
42  if [[ -n "$1" ]];
43  then
44    cwd="$1"
45  fi
46
47  ./build_and_checks_dependencies/common_build_and_checks.sh "$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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22  #
23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/overwrite_if_not_equal.sh"
27
28  sed_expression='s/(\[[a-zA-Z0-9:-]*\]: [^\n\\]*)\\\n/\1/Mg'
29  sed_expression+=';s/(<http[^\n\\]*)\\\n/\1/Mg'
30  sed_expression+=';s/(- <http[^\n\\]*)\\\n/\1/Mg'
31
```

```
32  pushd .
33  if [[ -n "$1" ]];
34  then
35    cd "$1"
36  fi
37
38  if [[ -n "$2" ]];
39  then
40    file_name="$2"
41  else
42    file_name="README"
43  fi
44
45  if [[ -f "${file_name}.md.tpl" ]];
46  then
47    sed -Ez "$sed_expression" "${file_name}.md.tpl"\
48      > "${file_name}_temp1.md"
49    sed -Ez "$sed_expression" "${file_name}_temp1.md"\
50      > "${file_name}_temp2.md"
51    sed -Ez "$sed_expression" "${file_name}_temp2.md"\
52      > "${file_name}_temp3.md"
53    sed -Ez "$sed_expression" "${file_name}_temp3.md"\
54      > "${file_name}_temp4.md"
55    overwrite_if_not_equal "${file_name}.md" "${file_name}_temp4.md"
56    rm "${file_name}_temp1.md" "${file_name}_temp2.md"\
57      "${file_name}_temp3.md"
58  else
59    echo "No file ${file_name}.md.tpl"
60  fi
61
62  popd
```

2.3 build_and_checks_dependencies/check_shell_scripts_beginnings.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
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10  #
11  # DevOrSysAdminScripts is distributed in the hope
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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 Frédéric Bernard François Lyaudet
24
25  check_one_shell_script_beginning(){
26    LFBFL_file_name=$(basename "$1")
27    if [[ "$LFBFL_file_name" =~ license_file_header_.*\.sh ]];
28    then
29      return 0
30    fi
31    diff <(head -n 1 "$1") <(echo '#!/usr/bin/env bash')
32  }
33
34
35  check_shell_scripts_beginnings(){
36    shopt -s globstar
37    for check_shell_scripts_beginnings_var_i in **/*.sh; do
38      check_one_shell_script_beginning\
39        "$check_shell_scripts_beginnings_var_i"
40    done
41  }
```

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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```
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22  #
23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
27
28  check_URLs(){
29    get_common_text_files_glob_patterns
30
31    declare -A LFBFL_substitutions
32    LFBFL_substitutions=(\
33      ["http://www.gnu.org/licenses/"]="https://www.gnu.org/licenses/"\
34    )
35
36    for LFBFL_pattern in "${common_file_patterns[@]}"; do
37      [ "$1" != "-v" ] || echo "Iterating on pattern: $LFBFL_pattern"
38      find . -type f -name "$LFBFL_pattern" -printf '%P\n'\
39        | xargs grep -H 'http:'\
40        | grep -v "^[^:]*check_URLs.sh:"
41      for LFBFL_file_name in $LFBFL_pattern; do
42        [ -f "$LFBFL_file_name" ] || continue
43        LFBFL_base_file_name=$(basename "$LFBFL_file_name")
44        [ "$LFBFL_base_file_name" != "check_URLs.sh" ] || continue
45        [ "$1" != "-v" ] || echo "Handling the file: $LFBFL_file_name"
46        for LFBFL_substitution in "${!LFBFL_substitutions[@]}"; do
47          LFBFL_substitution2=\
48  ${LFBFL_substitutions[$LFBFL_substitution]}
49          if grep -q "$LFBFL_substitution" "$LFBFL_file_name"; then
50            sed -i "s|$LFBFL_substitution|$LFBFL_substitution2|g"\
51              "$LFBFL_file_name"
52          fi
53        done
54      done
55    done
56  }
```

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 Frédéric Bernard François 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="$URL_beginning/build_md_from_printable_md.sh"
34  correct_sha512='5231a90246a58da4bb27440edd3281c02b05e29cd9b1bfe340a25'
35  correct_sha512+='7eefcf7df82f70ed3ce95a112bc03710839b2dfde066317c938f'
36  correct_sha512+='302bc599f8d293d45910b8a'
37  wget_sha512 "./$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_beginnings.sh"
42  correct_sha512='d94931d4b20b7987aed4dd02663ad5feba3389c8fdea2fdbfb91d'
43  correct_sha512+='0b71eed4ef80c8d4a8eef5c147837183b2c9ed6d577cda3ad67f'
44  correct_sha512+='6d6485a015eac56fa0daa3b'
```

9

```
45  wget_sha512 "./$subdir/check_shell_scripts_beginnings.sh" "$script"\
46    "$correct_sha512"
47
48  script="$URL_beginning/check_URLs.sh"
49  correct_sha512='d83cac890cc02fabaed5612ff59dd581e4e42e4f9de5710ad80bb'
50  correct_sha512+='41db46f9e2ec6f5bddb6006e209e81d45432a908717d10188ebc'
51  correct_sha512+='a623b1493e4098dd78cd80b'
52  wget_sha512 "./$subdir/check_URLs.sh" "$script" "$correct_sha512"
53
54  script="$URL_beginning/comparisons.sh"
55  correct_sha512='df5bfe91de1fb948601776c2205f313fca6fabc1703ec94c36d77'
56  correct_sha512+='4c623f1d694de26eff0e6b950000ff84c12f2747c9403b7981b2'
57  correct_sha512+='92aa2bd06a9e74fa0beb798'
58  wget_sha512 "./$subdir/comparisons.sh" "$script" "$correct_sha512"
59
60  script="$URL_beginning/create_PDF.sh"
61  correct_sha512='b29a67e821f1bb678bcb664d9ba26e1f8f9042991fdabef5eda03'
62  correct_sha512+='2e09d6b85045bf9b257b822b1478474ae4b9aff62221b995fc38'
63  correct_sha512+='8427f3cc68e6674c9cb64df'
64  wget_sha512 "./$subdir/create_PDF.sh" "$script" "$correct_sha512"
65  chmod +x "./$subdir/create_PDF.sh"
66
67  script="$URL_beginning/generate_from_template.sh"
68  correct_sha512='5a7732f2f93ce4020cbaea76dfd94cdaf313dd2f472d5ab0d9361'
69  correct_sha512+='7b3e6bf1bdea2a4475989689cbf1f50e8dac50c49b0ea7c385d7'
70  correct_sha512+='00999336dd0bd03483fba64'
71  wget_sha512 "./$subdir/generate_from_template.sh" "$script"\
72    "$correct_sha512"
73
74  script="$URL_beginning/get_common_text_glob_patterns.sh"
75  correct_sha512='cd341e8fd1074d53f6ea88b332fc4375f06af0e4c0b56e1ddb39c'
76  correct_sha512+='8ab988ea5f0c21ec4088fe1946ae44f3ea7ba394f558c03a446f'
77  correct_sha512+='0971482a4a7a8d6fe041153'
78  wget_sha512 "./$subdir/get_common_text_glob_patterns.sh" "$script"\
79    "$correct_sha512"
80
81  script="$URL_beginning/grammar_and_spell_check.sh"
82  correct_sha512='69dcb77061f2e560d6268622ae72ef11d412b996520b7321b1f20'
83  correct_sha512+='427fb4eda6d2fb5909938da6c0af4099921190298d372466dea3'
84  correct_sha512+='b45805f0c271da852578075'
85  wget_sha512 "./$subdir/grammar_and_spell_check.sh" "$script"\
86    "$correct_sha512"
87
88  URL_beginning2="$URL_beginning/licenses_templates"
89  subdir2="$subdir/licenses_templates"
90  script="$URL_beginning2/build_licenses_templates.sh"
```

```
91   correct_sha512='6cc01a243d5561a8be48af1867eda7ce05b28470abe72e0f20cf9'
92   correct_sha512+='06db230aed50a886b632cb722a1b7c20e97fd31e70686da2db88'
93   correct_sha512+='f467fdf5479199f15ed0df8'
94   wget_sha512 "./$subdir2/build_licenses_templates.sh" "$script"\
95     "$correct_sha512"
96   chmod +x "./$subdir2/build_licenses_templates.sh"
97
98   script="$URL_beginning2/license_file_header_GPLv3+.tpl"
99   correct_sha512='2bdef9a729a5a9ca5ed87ef8a518877c5ee6b31b4533608660316'
100  correct_sha512+='a4e595fb31465a4847f4d53a2f7264118bd4eab7c1d1892e00bc'
101  correct_sha512+='1861455ed02898f194db067'
102  wget_sha512 "./$subdir2/license_file_header_GPLv3+.tpl" "$script"\
103    "$correct_sha512"
104
105  script="$URL_beginning2/license_file_header_LGPLv3+.tpl"
106  correct_sha512='265fd0d086b48ab798f35a072335a4976e4eda8c256febba6c77c'
107  correct_sha512+='98ca86cdd844c6ac150c3445c80debbb3fc2574b5fceeeaf79ec'
108  correct_sha512+='734a759bdef5fe798067c62'
109  wget_sha512 "./$subdir2/license_file_header_LGPLv3+.tpl" "$script"\
110    "$correct_sha512"
111
112  script="$URL_beginning/lines_counts.sh"
113  correct_sha512='4aa984d1a3709d3ed6ad5a4accc5e1d9cee2f174730ef232dbcd6'
114  correct_sha512+='1d3661191e1904a0072fdb818c96e4aff5e58d5d7b0b024a874f'
115  correct_sha512+='17acb35d98bbde10fb6dacd'
116  wget_sha512 "./$subdir/lines_counts.sh" "$script" "$correct_sha512"
117
118  script="$URL_beginning/lines_filters.sh"
119  correct_sha512='23ce3bcd052b758803afff514a44aec843bd367d0aec80662c9c7'
120  correct_sha512+='b2add1ae3238bf010ee308cd82131fc1939ab1758e611997e845'
121  correct_sha512+='33bafa6c68d4051c968a4d7'
122  wget_sha512 "./$subdir/lines_filters.sh" "$script" "$correct_sha512"
123
124  URL_beginning3="$URL_beginning/listings"
125  subdir3="$subdir/listings"
126  script="$URL_beginning3/update_or_check_files_names_listing.sh"
127  correct_sha512='4cddcc78bae37e077bd6dfdd167783fd27e469a2bcd2be6b32267'
128  correct_sha512+='1755666bb6ef7df4a361a26978235f985245ed5e2abc7dbcfc9c'
129  correct_sha512+='4a6824caf304623214cea00'
130  wget_sha512 "./$subdir3/update_or_check_files_names_listing.sh"\
131    "$script" "$correct_sha512"
132  chmod +x "./$subdir3/update_or_check_files_names_listing.sh"
133
134  script="$URL_beginning3/files_names_listing.txt"
135  correct_sha512='69d3a41b3f798c5068e409551e8fffac39b32c0b3644dca81f893'
136  correct_sha512+='4349227cc3963daa4d556c6e5512dcb187898e19740871847bf6'
```

```
137  correct_sha512+='bf42cedb08b6b5627bbdeec'
138  wget_sha512 "./$subdir3/files_names_listing.txt" "$script"\
139    "$correct_sha512"
140
141  script="$URL_beginning/overwrite_if_not_equal.sh"
142  correct_sha512='afabf6f384e61920dbc575afb1519173ac2654b6180b9a28c5ffc'
143  correct_sha512+='173a05c6e6d4011d7bc8912da15caee923c9033d8355967920e4'
144  correct_sha512+='d05e2cd575c3cf065fc8e40'
145  wget_sha512 "./$subdir/overwrite_if_not_equal.sh" "$script"\
146    "$correct_sha512"
147
148  script="$URL_beginning/python_black_complement.sh"
149  correct_sha512='7152e9d01cc3c72371695635cd6866b2e13ce25f4842afb8e4e87'
150  correct_sha512+='b6447b26abafbdbc850f69946913b5b2c423b265c9066a2b4655'
151  correct_sha512+='6dea19c04a5416588423a74'
152  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
153    "$correct_sha512"
154
155  script="$URL_beginning/python_isort_complement.sh"
156  correct_sha512='770e5ed16e4b5f6d61577794033161d361bc2eacea6d08a5c7b9a'
157  correct_sha512+='1577666cf655d1c947108adb9151d87f937471d30716a6d50d76'
158  correct_sha512+='f84bbcf1f1620fb9ede4575'
159  wget_sha512 "./$subdir/python_isort_complement.sh" "$script"\
160    "$correct_sha512"
161
162  script="$URL_beginning/too_long_code_lines.sh"
163  correct_sha512='a8716971f22a14160701b6e801c4f66220e2e1dd174f24e43775e'
164  correct_sha512+='e743aeaa4ee66dadae185e134c3554f8c37d8ee457d051336ed3'
165  correct_sha512+='430b734bcf80e8d5704064b'
166  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
167    "$correct_sha512"
168
169  shopt -s globstar
170  source "./$subdir/check_shell_scripts_beginnings.sh"
171  source "./$subdir/check_URLs.sh"
172  source "./$subdir/comparisons.sh"
173  source "./$subdir/generate_from_template.sh"
174  source "./$subdir/get_common_text_glob_patterns.sh"
175  source "./$subdir/lines_counts.sh"
176  source "./$subdir/lines_filters.sh"
177  source "./$subdir/overwrite_if_not_equal.sh"
178  source "./$subdir/python_black_complement.sh"
179  source "./$subdir/python_isort_complement.sh"
180  source "./$subdir/too_long_code_lines.sh"
181
182  cwd="."
```

```
183  if [[ -n "$1" ]];
184  then
185    cwd="$1"
186  fi
187
188  echo "Building license headers"
189  ./$subdir2/build_licenses_templates.sh "$cwd"
190
191  echo "Building README.md"
192  ./$subdir/build_md_from_printable_md.sh "$cwd"
193
194  pushd .
195  cd "$cwd"
196
197  echo "Running isort"
198  isort .
199  python_isort_complement
200
201  echo "Running black"
202  black .
203  python_black_complement
204
205  find . -name "pyproject.toml" | relevant_find\
206    | while read -r file_name;
207  do
208    if grep -q "Typing :: Typed" "$file_name"; then
209      echo "Running mypy"
210      mypy $(dirname "$file_name")
211    fi
212  done
213
214  echo "Analyzing too long lines"
215  too_long_code_lines | relevant_grep | not_license_grep
216
217  echo "Analyzing shell scripts beginnings"
218  check_shell_scripts_beginnings | relevant_grep
219
220  echo "Analyzing URLs"
221  check_URLs | relevant_grep
222
223  echo "Creating the PDF file of the listing of the source code"
224  ./build_and_checks_dependencies/create_PDF.sh
225
226  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  #
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 Frédéric Bernard François 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_beginnings.sh"
40 @sha512_check_shell_scripts_beginnings.sh@
41 wget_sha512 "./$subdir/check_shell_scripts_beginnings.sh" "$script"\
42   "$correct_sha512"
43
44 script="$URL_beginning/check_URLs.sh"
```

14

```
45  @sha512_check_URLs.sh@
46  wget_sha512 "./$subdir/check_URLs.sh" "$script" "$correct_sha512"
47
48  script="$URL_beginning/comparisons.sh"
49  @sha512_comparisons.sh@
50  wget_sha512 "./$subdir/comparisons.sh" "$script" "$correct_sha512"
51
52  script="$URL_beginning/create_PDF.sh"
53  @sha512_create_PDF.sh@
54  wget_sha512 "./$subdir/create_PDF.sh" "$script" "$correct_sha512"
55  chmod +x "./$subdir/create_PDF.sh"
56
57  script="$URL_beginning/generate_from_template.sh"
58  @sha512_generate_from_template.sh@
59  wget_sha512 "./$subdir/generate_from_template.sh" "$script"\
60    "$correct_sha512"
61
62  script="$URL_beginning/get_common_text_glob_patterns.sh"
63  @sha512_get_common_text_glob_patterns.sh@
64  wget_sha512 "./$subdir/get_common_text_glob_patterns.sh" "$script"\
65    "$correct_sha512"
66
67  script="$URL_beginning/grammar_and_spell_check.sh"
68  @sha512_grammar_and_spell_check.sh@
69  wget_sha512 "./$subdir/grammar_and_spell_check.sh" "$script"\
70    "$correct_sha512"
71
72  URL_beginning2="$URL_beginning/licenses_templates"
73  subdir2="$subdir/licenses_templates"
74  script="$URL_beginning2/build_licenses_templates.sh"
75  @sha512_build_licenses_templates.sh@
76  wget_sha512 "./$subdir2/build_licenses_templates.sh" "$script"\
77    "$correct_sha512"
78  chmod +x "./$subdir2/build_licenses_templates.sh"
79
80  script="$URL_beginning2/license_file_header_GPLv3+.tpl"
81  @sha512_license_file_header_GPLv3+.tpl@
82  wget_sha512 "./$subdir2/license_file_header_GPLv3+.tpl" "$script"\
83    "$correct_sha512"
84
85  script="$URL_beginning2/license_file_header_LGPLv3+.tpl"
86  @sha512_license_file_header_LGPLv3+.tpl@
87  wget_sha512 "./$subdir2/license_file_header_LGPLv3+.tpl" "$script"\
88    "$correct_sha512"
89
90  script="$URL_beginning/lines_counts.sh"
```

```
91   @sha512_lines_counts.sh@
92   wget_sha512 "./$subdir/lines_counts.sh" "$script" "$correct_sha512"
93
94   script="$URL_beginning/lines_filters.sh"
95   @sha512_lines_filters.sh@
96   wget_sha512 "./$subdir/lines_filters.sh" "$script" "$correct_sha512"
97
98   URL_beginning3="$URL_beginning/listings"
99   subdir3="$subdir/listings"
100  script="$URL_beginning3/update_or_check_files_names_listing.sh"
101  @sha512_update_or_check_files_names_listing.sh@
102  wget_sha512 "./$subdir3/update_or_check_files_names_listing.sh"\
103    "$script" "$correct_sha512"
104  chmod +x "./$subdir3/update_or_check_files_names_listing.sh"
105
106  script="$URL_beginning3/files_names_listing.txt"
107  @sha512_files_names_listing.txt@
108  wget_sha512 "./$subdir3/files_names_listing.txt" "$script"\
109    "$correct_sha512"
110
111  script="$URL_beginning/overwrite_if_not_equal.sh"
112  @sha512_overwrite_if_not_equal.sh@
113  wget_sha512 "./$subdir/overwrite_if_not_equal.sh" "$script"\
114    "$correct_sha512"
115
116  script="$URL_beginning/python_black_complement.sh"
117  @sha512_python_black_complement.sh@
118  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
119    "$correct_sha512"
120
121  script="$URL_beginning/python_isort_complement.sh"
122  @sha512_python_isort_complement.sh@
123  wget_sha512 "./$subdir/python_isort_complement.sh" "$script"\
124    "$correct_sha512"
125
126  script="$URL_beginning/too_long_code_lines.sh"
127  @sha512_too_long_code_lines.sh@
128  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
129    "$correct_sha512"
130
131  shopt -s globstar
132  source "./$subdir/check_shell_scripts_beginnings.sh"
133  source "./$subdir/check_URLs.sh"
134  source "./$subdir/comparisons.sh"
135  source "./$subdir/generate_from_template.sh"
136  source "./$subdir/get_common_text_glob_patterns.sh"
```

```bash
137  source "./$subdir/lines_counts.sh"
138  source "./$subdir/lines_filters.sh"
139  source "./$subdir/overwrite_if_not_equal.sh"
140  source "./$subdir/python_black_complement.sh"
141  source "./$subdir/python_isort_complement.sh"
142  source "./$subdir/too_long_code_lines.sh"
143
144  cwd="."
145  if [[ -n "$1" ]];
146  then
147    cwd="$1"
148  fi
149
150  echo "Building license headers"
151  ./$subdir2/build_licenses_templates.sh "$cwd"
152
153  echo "Building README.md"
154  ./$subdir/build_md_from_printable_md.sh "$cwd"
155
156  pushd .
157  cd "$cwd"
158
159  echo "Running isort"
160  isort .
161  python_isort_complement
162
163  echo "Running black"
164  black .
165  python_black_complement
166
167  find . -name "pyproject.toml" | relevant_find\
168    | while read -r file_name;
169  do
170    if grep -q "Typing :: Typed" "$file_name"; then
171      echo "Running mypy"
172      mypy $(dirname "$file_name")
173    fi
174  done
175
176  echo "Analyzing too long lines"
177  too_long_code_lines | relevant_grep | not_license_grep
178
179  echo "Analyzing shell scripts beginnings"
180  check_shell_scripts_beginnings | relevant_grep
181
182  echo "Analyzing URLs"
```

```
183   check_URLs | relevant_grep
184
185   echo "Creating the PDF file of the listing of the source code"
186   ./build_and_checks_dependencies/create_PDF.sh
187
188   popd
```

2.7   build_and_checks_dependencies/comparisons.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 Frédéric Bernard François Lyaudet
24
25   equal(){
26     # Returns 1 if all the arguments strings are equal.
27     # Renvoie 1 dans $? si toutes les chaînes en arguments sont égales.
28     # J'ai rerepensé au 3-way-merge
29     # et à mon article sur le principe de première différence
30     # appliqué à la largeur modulaire, de clique ou de rang avec
31     # l'idée d'un principe de première différence ternaire.
32     equal_var_all_args="'$*'"
33     equal_var_current="$equal_var_all_args"
34     for equal_var_arg in $@; do
35       if [[ "$equal_var_current" == "$equal_var_all_args" ]]; then
36         equal_var_current="$equal_var_arg"
37         continue
```

18

```
38      fi
39      if [[ "$equal_var_current" != "$equal_var_arg" ]]; then
40        return 0
41      fi
42    done
43    return 1
44  }
45
46  max(){
47    # Returns the maximum string among the arguments.
48    # Renvoie la chaîne la plus grande parmi celles proposées.
49    # $1=$sort command with the flags you want to be applied.
50    # $ max sort a b c
51    # c
52    if [[ "$#" == 0 ]]; then
53      return 1
54    fi
55    printf "%s\n" "${@:2}" | eval "$1 -r" | head -1
56  }
57
58  min(){
59    # Returns the minimum string among the arguments.
60    # Renvoie la chaîne la plus petite parmi celles proposées.
61    # $1=$sort command with the flags you want to be applied.
62    # $ min sort a b c
63    # a
64    if [[ "$#" == 0 ]]; then
65      return 1
66    fi
67    printf "%s\n" "${@:2}" | eval "$1" | head -1
68  }
69
70  is_substring(){
71    # $1=$string
72    # $2=$substring
73    is_substring_var_1=$(\
74      echo "$1" | sed -e 's/\\/\\&/g' -e "s/'/\\\\&/g"\
75    )
76    is_substring_var_2=$(\
77      echo "$2" | sed -e 's/\\/\\&/g' -e "s/'/\\\\&/g"\
78    )
79    is_substring_var_3="\$a = '$is_substring_var_1';"
80    is_substring_var_3+=" \$b = preg_quote('$is_substring_var_2');"
81    is_substring_var_3+=" \$c = '/'.addcslashes(\$b, '/').'/';"
82    is_substring_var_3+=" die(preg_match(\$c, \$a));"
83    php -r "$is_substring_var_3"
```

```
84    }

85
86    is_subfile(){
87      # $1=$file_name
88      # $2=$sub_file_name
89      is_subfile_var_1="\$a = file_get_contents('$1');"
90      is_subfile_var_1+=" \$b = preg_quote(file_get_contents('$2'));"
91      is_subfile_var_1+=" \$c = '/'.addcslashes(\$b, '/').'/';"
92      is_subfile_var_1+=" die(preg_match(\$c, \$a));"
93      php -r "$is_subfile_var_1"
94    }
```

2.8   build_and_checks_dependencies/create_PDF.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 Frédéric Bernard François Lyaudet

24
25   subdir="build_and_checks_dependencies"
26   source "./$subdir/lines_counts.sh"
27   source "./$subdir/lines_filters.sh"

28
29   grep_variable repository_data.txt repository_name

30
31   cp "./latex/$repository_name.tex.tpl"\
32      "./latex/$repository_name.tex"
```

```
33  # We need a variant of the template with long lines.
34  cp "./latex/$repository_name.tex.tpl"\
35     "./latex/$repository_name.tex.tpl2"
36  sed -i -Ez "s/%\n//Mg" "./latex/$repository_name.tex.tpl2"
37
38  current_date=$(date -I"date")
39  sed -i "s|@current_date@|$current_date|g"\
40     "./latex/$repository_name.tex"
41
42  current_git_SHA1=$(git rev-parse HEAD)
43  sed -i "s|@current_git_SHA1@|$current_git_SHA1|g"\
44     "./latex/$repository_name.tex"
45
46  number_of_commits=$(git shortlog | space_starting_lines | wc -l)
47  sed -i "s|@number_of_commits@|$number_of_commits|g"\
48     "./latex/$repository_name.tex"
49
50  number_of_lines="$(code_lines_count_all) total lines,"
51  number_of_lines+=" $(code_lines_count_not_empty) not empty lines,"
52  number_of_lines+=" $(code_lines_count_empty) empty lines."
53  sed -i "s|@number_of_lines@|$number_of_lines|g"\
54     "./latex/$repository_name.tex"
55
56  tree -a --gitignore\
57     -I "$repository_name.aux"\
58     -I "$repository_name.log"\
59     -I "$repository_name.out"\
60     -I "$repository_name.tex.tpl2"\
61     -I current_tree.txt\
62     -I current_tree_light.txt\
63     -I "node_modules/"\
64     -I "__pycache__/"\
65     -I ".mypy_cache/"\
66     -I ".git/"\
67     > current_tree_light.txt
68
69  tree -a -DFh --gitignore\
70     -I "$repository_name.aux"\
71     -I "$repository_name.log"\
72     -I "$repository_name.out"\
73     -I "$repository_name.tex.tpl2"\
74     -I current_tree.txt\
75     -I current_tree_light.txt\
76     -I "node_modules/"\
77     -I "__pycache__/"\
78     -I ".mypy_cache/"\
```

21

```
79   -I ".git/"\
80   > current_tree.txt
81
82 shopt -s dotglob
83 find . -type f -printf '%P\n' | relevant_find | sort\
84   | while read -r file_name;
85 do
86   git check-ignore -q "$file_name" && continue
87   base_file_name=$(basename "$file_name")
88   [ "$base_file_name" != "current_tree_light.txt" ] || continue
89   [ "$base_file_name" != "current_tree.txt" ] || continue
90   [ "$base_file_name" != "COPYING" ] || continue
91   [ "$base_file_name" != "COPYING.LESSER" ] || continue
92   [ "$base_file_name" != "$repository_name.pdf" ] || continue
93   [ "$base_file_name" != "$repository_name.tex" ] || continue
94   [ "$base_file_name" != "$repository_name.tex.tpl2" ] || continue
95   if [[ "$base_file_name" == *.md ]]; then
96     if [ -f "$file_name.tpl" ]; then
97       # in_place_grep -v "$base_file_name$" current_tree.txt
98       # in_place_grep -v "$base_file_name$" current_tree_light.txt
99       continue
100     fi
101   fi
102   cleaned_path1=$(sed -e 's/_/\\_/g' <(echo "$file_name"))
103   cleaned_path2=$(sed -e 's/\//:/g' -e 's/\.//g' <(echo "$file_name"))
104   if grep -q "  $file_name\$" "./latex/$repository_name.tex.tpl2";
105   then
106     echo ""
107     # sed -i -Ez\
108     #   "s/$file_name\n/\
109     #   ${file_name/./\\./g}\\hyperref\{${file_name/./\\./g}\}\n/Mg"\
110     #   "current_tree_light.txt"
111   else
112     echo "The file $file_name is not listed"\
113         " in ./latex/$repository_name.tex.tpl"
114     echo "TODO:\subsection{"
115     echo "TODO:  $cleaned_path1"
116     echo "TODO:}"
117     echo "TODO:\label{"
118     echo "TODO:  $cleaned_path2"
119     echo "TODO:}"
120     echo "TODO:"
121     echo "TODO:\VerbatimInput[numbers=left,xleftmargin=-5mm]{"
122     echo "TODO:  $file_name"
123     echo "TODO:}"
124     echo "TODO:"
```

```bash
125        echo "TODO:"
126      fi
127  done
128  shopt -u dotglob
129  shopt -s globstar
130
131  split_last_line(){
132     # $1=$new_lines
133     # $2=$prefix
134     split_last_line_result="$1"
135     if echo "$1" | sed -e 's/\\n/\n/g' | grep -q '.\{71\}$'; then
136       LFBFL_start=$(\
137         echo "$1" | sed -e 's/\\n/\n/g' | head --lines=-1\
138         | sed -z 's/\n/\\n/g'\
139       )
140       # echo "start: $LFBFL_start"
141       LFBFL_last_line=$(\
142         echo "$1" | sed -e 's/\\n/\n/g' | tail --lines=1\
143       )
144       # echo "last_line: $LFBFL_last_line"
145       split_last_line_result=""
146       if [[ -n "$LFBFL_start" ]]; then
147         split_last_line_result="$LFBFL_start\n"
148       fi
149       split_last_line_result+="${LFBFL_last_line:0:69}\n"
150       split_last_line_result+="$2${LFBFL_last_line:69}"
151     fi
152  }
153
154  # We verify if some lines are beyond 70 characters
155  # in current_tree_light.txt et current_tree.txt.
156  trees=("current_tree_light.txt" "current_tree.txt")
157  for some_tree in "${trees[@]}"; do
158    grep '.\{71\}' "$some_tree" | while read -r some_line; do
159      # echo "some_line: $some_line"
160      prefix=$(\
161        echo "$some_line"\
162          | sed -E -e 's/(.*)─[^─]+$/\1/g' -e 's/[^ ]+$//g'\
163      )
164      prefix+="│ "
165      # echo "prefix: $prefix"
166      file_name=$(\
167        echo "$some_line"\
168          | sed -E 's|.* (([a-zA-Z0-9\._/-]+).)$|\1|g'\
169      )
170      # echo "file_name: $file_name"
```

23

```bash
171        line_start=$(\
172          echo "$some_line"\
173            | sed -E "s/(.*)[ ]*$file_name/\1/g"\
174            | sed -e 's/ *$//g'
175        )
176        # echo "line_start: $line_start"
177        some_line=$(\
178          echo "$some_line"\
179            | sed -E -e 's/\[/\\\[/g' -e 's/\]/\\\]/g'\
180        )
181        new_lines="$prefix$file_name"
182        split_last_line "$new_lines" "$prefix"
183        new_lines=$split_last_line_result
184        split_last_line "$new_lines" "$prefix"
185        new_lines=$split_last_line_result
186        split_last_line "$new_lines" "$prefix"
187        new_lines=$split_last_line_result
188        split_last_line "$new_lines" "$prefix"
189        new_lines=$split_last_line_result
190        sed -i -e "s/$some_line/$line_start\n$new_lines/g" "$some_tree"
191      done
192    done
193
194    sed -i -e '/@current_tree_light@/{r current_tree_light.txt' -e 'd}'\
195      "./latex/$repository_name.tex"
196    sed -i -e '/@current_tree@/{r current_tree.txt' -e 'd}'\
197      "./latex/$repository_name.tex"
198
199    pdflatex "./latex/$repository_name.tex" > /dev/null
200    pdflatex "./latex/$repository_name.tex" > /dev/null
201    pdflatex "./latex/$repository_name.tex" > /dev/null
202
203    files_to_delete=(\
204      "$repository_name.aux"\
205      "$repository_name.log"\
206      "$repository_name.out"\
207      "current_tree.txt"
208      "current_tree_light.txt"
209      "./latex/$repository_name.tex.tpl2"
210    )
211    # Comment the following line if you need to debug.
212    for file_name in "${files_to_delete[@]}"; do
213      rm -f "$file_name"
214    done
```

2.9 build_and_checks_dependencies/generate_from_template.sh

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
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#
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# but WITHOUT ANY WARRANTY;
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# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
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# the GNU Lesser General Public License
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#
# ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet

generate_from_template_with_block_comments(){
  # $1=base_file_name
  # $2=target_file_name
  # $3=enter_block_comment
  # $4=exit_block_comment
  LFBFL_temp=".generate_from_template_with_block_comments.temp"
  echo "$3" > "$2$LFBFL_temp"
  cat "$1" >> "$2$LFBFL_temp"
  echo "$4" >> "$2$LFBFL_temp"
  overwrite_if_not_equal "$2" "$2$LFBFL_temp"
}

generate_from_template_with_line_comments(){
  # $1=base_file_name
  # $2=target_file_name
  # $3=line_comment_prefix
  # $4=optional_post_processing
  LFBFL_temp=".generate_from_template_with_line_comments.temp"
  sed -e "s/^/$3/g" "$1" > "$2$LFBFL_temp"
  if [[ -n "$4" ]]; then
```

```
45    eval "$4"
46   fi
47   overwrite_if_not_equal "$2" "$2$LFBFL_temp"
48 }
```

2.10   build_and_checks_dependencies/get_common_text_glob_patterns.sh

```
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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.
10 #
11 # DevOrSysAdminScripts is distributed in the hope
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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 Frédéric Bernard François 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'\
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  }
```

2.11   build_and_checks_dependencies/licenses_templates/build_licenses_templates.sh

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

27

```
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22  #
23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/comparisons.sh"
27  source "./$subdir/generate_from_template.sh"
28  source "./$subdir/lines_filters.sh"
29  source "./$subdir/overwrite_if_not_equal.sh"
30
31  license_subdir="./$subdir/licenses_templates/"
32  license_prefix="$license_subdir""license_file_header_"
33  licenses=(\
34    "GPLv3+"\
35    "LGPLv3+"
36  )
37
38  # ----------------------------------------------------------------------
39  # Various language definitions for text file formats
40  block_comment_languages=(\
41    "c"\
42    "py"\
43  )
44  block_comment_enters=(\
45    '/*'\
46    '"""'\
47  )
48  block_comment_exits=(\
```

```bash
49    '*/'\
50    '"""'\
51  )
52  equal "${#block_comment_languages[@]}"\
53       "${#block_comment_enters[@]}"\
54       "${#block_comment_exits[@]}"
55  if [[ $? == 0 ]]; then
56    echo '/!\'"Problème de définition des tableaux de langages 1"'/!\'
57  fi
58
59  line_comment_languages=(\
60    "sh"\
61    "tex"\
62  )
63  line_comment_prefixes=(\
64    '# '\
65    '% '\
66  )
67  equal "${#line_comment_languages[@]}"\
68       "${#line_comment_prefixes[@]}"
69  if [[ $? == 0 ]]; then
70    echo '/!\'"Problème de définition des tableaux de langages 2"'/!\'
71  fi
72  # ----------------------------------------------------------------------
73
74  # ----------------------------------------------------------------------
75  # We generate the license header templates adapted to various text
76  # files formats.
77  # Kamoulox do endfor, Jacques Beauregard XD
78  # (C'est toujours mieux que l'inverse :) !)
79  # for do endfor -> for do done (Fort Doux Donne).
80  for license in "${licenses[@]}"; do
81    license_prefix2="$license_prefix$license"
82    for ((i=0; i<${#block_comment_languages[@]}; i++)); do
83      extension=${block_comment_languages[i]}
84      license_file_name="$license_prefix2.$extension"
85      enter_string=${block_comment_enters[i]}
86      exit_string=${block_comment_exits[i]}
87      generate_from_template_with_block_comments\
88        "$license_prefix2.tpl"\
89        "$license_file_name.tpl"\
90        "$enter_string" "$exit_string"
91    done
92    LFBFL_temp2=".generate_from_template_with_line_comments.temp"
93    for ((i=0; i<${#line_comment_languages[@]}; i++)); do
94      extension=${line_comment_languages[i]}
```

```
 95      license_file_name="$license_prefix2.$extension"
 96      prefix_string=${line_comment_prefixes[i]}
 97
 98      generate_from_template_with_line_comments\
 99        "$license_prefix2.tpl"\
100        "$license_file_name.tpl"\
101        "$prefix_string"\
102        "sed -i -E -e 's/\s*$//g' '$license_file_name.tpl$LFBFL_temp2'"
103    done
104  done
105  # -------------------------------------------------------------------
106
107  file_name=repository_data.txt
108  grep_variable "$file_name" repository_name
109  grep_variable "$file_name" license
110  grep_variable "$file_name" author_full_name
111  license_prefix2="$license_prefix$license"
112  # First year according to current state of git repository.
113  first_year="$(git log | grep 'Date:' | cut -f 8 -d ' ' | tail -1)"
114  # Last year according to current state of git repository.
115  last_year="$(git log | grep 'Date:' | cut -f 8 -d ' ' | head -1)"
116  copyright_string="$first_year-$last_year $author_full_name"
117  for ((i=0; i<${#block_comment_languages[@]}; i++)); do
118    extension=${block_comment_languages[i]}
119    license_file_name="$license_prefix2.$extension"
120    sed -e "s/@repository_name@/$repository_name/g"\
121      -e "s/@copyright_string@/$copyright_string/g"\
122      "$license_file_name.tpl" > "$license_file_name.temp"
123    overwrite_if_not_equal "$license_file_name"\
124      "$license_file_name.temp"
125    head --lines=-1 "$license_file_name" | tail --lines=-1\
126      > "$license_file_name.temp"
127    find . -type f -name "*.$extension" -printf '%P\n' | relevant_find\
128      | while read -r file_name;
129    do
130      if is_subfile "$file_name" "$license_file_name.temp"
131      then
132        echo "File $file_name has no/wrong license header?"
133      fi
134    done
135    rm "$license_file_name.temp"
136  done
137  for ((i=0; i<${#line_comment_languages[@]}; i++)); do
138    extension=${line_comment_languages[i]}
139    license_file_name="$license_prefix2.$extension"
140    sed -e "s/@repository_name@/$repository_name/g"\
```

```
141    -e "s/@copyright_string@/$copyright_string/g"\
142    "$license_file_name.tpl" > "$license_file_name.temp"
143   overwrite_if_not_equal "$license_file_name"\
144    "$license_file_name.temp"
145   find . -type f -name "*.$extension" -printf '%P\n' | relevant_find\
146    | while read -r file_name;
147   do
148    if is_subfile "$file_name" "$license_file_name"
149    then
150      echo "File $file_name has no/wrong license header?"
151    fi
152   done
153 done
```

2.12 build_and_checks_dependencies/licenses_templates/license_file_header_GPLv3+.c.tpl

```
1  /*
2  This file is part of @repository_name@ library.
3
4  @repository_name@ is free software:
5  you can redistribute it and/or modify it under the terms
6  of the GNU 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  @repository_name@ 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 General Public License for more details.
17
18  You should have received a copy of
19  the GNU General Public License
20  along with @repository_name@.
21  If not, see <https://www.gnu.org/licenses/>.
22
23  ©Copyright @copyright_string@
24  */
```

2.13 build_and_checks_dependencies/licenses_templates/license_file_header_GPLv3+.py.tpl

```
1  """
2  This file is part of @repository_name@ library.
3
```

```
 4  @repository_name@ is free software:
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 6  of the GNU General Public License
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10
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21  If not, see <https://www.gnu.org/licenses/>.
22
23  ©Copyright @copyright_string@
24  """
```

2.14 build_and_checks_dependencies/licenses_templates/license_file_header_GPLv3+.sh.tpl

```
 1  # This file is part of @repository_name@ library.
 2  #
 3  # @repository_name@ is free software:
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 5  # of the GNU General Public License
 6  # as published by the Free Software Foundation,
 7  # either version 3 of the License,
 8  # or (at your option) any later version.
 9  #
10  # @repository_name@ is distributed in the hope
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12  # but WITHOUT ANY WARRANTY;
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14  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
15  # See the GNU General Public License for more details.
16  #
17  # You should have received a copy of
18  # the GNU General Public License
19  # along with @repository_name@.
20  # If not, see <https://www.gnu.org/licenses/>.
21  #
22  # ©Copyright @copyright_string@
```

2.15 build_and_checks_dependencies/licenses_templates/license_file_header_GPLv3+.tex.tpl

```
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5  % of the GNU General Public License
6  % as published by the Free Software Foundation,
7  % either version 3 of the License,
8  % or (at your option) any later version.
9  %
10 % @repository_name@ is distributed in the hope
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13 % without even the implied warranty of
14 % MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
15 % See the GNU General Public License for more details.
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17 % You should have received a copy of
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19 % along with @repository_name@.
20 % If not, see <https://www.gnu.org/licenses/>.
21 %
22 % ©Copyright @copyright_string@
```

2.16 build_and_checks_dependencies/licenses_templates/license_file_header_GPLv3+.tpl

```
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9
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12 but WITHOUT ANY WARRANTY;
13 without even the implied warranty of
14 MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
15 See the GNU General Public License for more details.
16
17 You should have received a copy of
18 the GNU General Public License
19 along with @repository_name@.
```

```
20  If not, see <https://www.gnu.org/licenses/>.
21
22  ©Copyright @copyright_string@
```

2.17 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.c

```
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22
23  ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24  */
```

2.18 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.c.tpl

```
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3
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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.
10
11  @repository_name@ 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
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20  along with @repository_name@.
21  If not, see <https://www.gnu.org/licenses/>.
22
23  ©Copyright @copyright_string@
24  */
```

2.19 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.py

```
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17
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20  along with DevOrSysAdminScripts.
21  If not, see <https://www.gnu.org/licenses/>.
22
23  ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24  """
```

2.20 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.py.tpl

```
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3
4   @repository_name@ 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  @repository_name@ is distributed in the hope
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21  If not, see <https://www.gnu.org/licenses/>.
22
23  ©Copyright @copyright_string@
24  """
```

2.21   build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.sh

```
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21  #
22  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
```

2.22   build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.sh.tpl

```
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21  #
22  # ©Copyright @copyright_string@
```

2.23   build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.tex

```
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```

2.24 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.tex.tpl

2.25 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.tpl

2.26 build_and_checks_dependencies/lines_counts.sh

```
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22  #
23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François 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 LFBFL_pattern in "${common_file_patterns[@]}"; do
32      [ "$1" != "-v" ] || echo "Iterating on pattern: $LFBFL_pattern"
33      find . -type f -name "$LFBFL_pattern" -printf '%P\n'\
34        | xargs grep -H -v 'a(?!a)a'
35    done
36  }
```

39

```
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_file_name
45  }
46
47  all_self_not_empty_code_lines(){
48    all_self_code_lines | not_empty_lines_after_file_name
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  }
```

2.27   build_and_checks_dependencies/lines_filters.sh

```
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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   ll_wc(){
32     # current options to wc:
33     # -c --bytes
34     # -m --chars
35     # -l --lines
36     # --files0-from # Incompatible with cat,
37     #               # another thing intentional by ?
38     #               # I don't see the meaning of "files0".
39     # -L --max-line-length
40     # -w --words
41     # --help
42     # --version
43     # New option by Laurent Lyaudet (and probably other before):
44     # -n --no-filenames display only number(s)
45     # I think I did that the first time many years ago (Teliae ?).
46     ll_wc_var_args=""
47     ll_wc_var_number_only=0
48     for ll_wc_var_arg in $@; do
49       if [[ $ll_wc_var_arg == "-n" ]]; then
50         ll_wc_var_number_only=1
51       elif [[ $ll_wc_var_arg == "--no-filenames" ]]; then
52         ll_wc_var_number_only=1
53       else
54         if [[ $ll_wc_var_number_only == 0 ]]; then
55           ll_wc_var_args+=" ""$ll_wc_var_arg"
56           continue
57         fi
58         if [[ "$ll_wc_var_arg" == "-*" ]]; then
59           ll_wc_var_args+=" ""$ll_wc_var_arg"
60         fi
61       fi
62     done
63     # echo "$ll_wc_var_args"
64     # echo "$ll_wc_var_number_only"
```

```
65   if [[ $ll_wc_var_number_only -gt 0 ]]; then
66     # Too simple code, only the base use case is handled now.
67     # Convenient but incomplete.
68     # With more time,
69     # the simpler would be to submit a patch to GNU coreutils,
70     # unless blockade from assholes.
71     # Otherwise, it may be more simply handled in PHP or Python
72     # (argparse, etc.).
73     # You'll need to start by improving cat first,
74     # with --files0-from handling.
75     # echo "hack cat '${!#}' | wc $args"
76     cat "${!#}" | wc "${ll_wc_var_args[@]}"
77   else
78     # echo "normal"
79     wc "${ll_wc_var_args[@]}"
80   fi
81 }
82
83 # I submitted a patch for wc :).
84 # echo "https://domain/list-path/2024-05/msg00013.html" | \
85 #   sed -e 's|domain|lists.gnu.org|' \
86 #       -e 's|list-path|archive/html/bug-coreutils|'
87 # I found another way to have a long URL fit on 70 characters.
88 # If it is merged, the following would be better:
89 # If --no-filenames option available,
90 # we redefine ll_wc command as an alias.
91 wc_help_text=$(wc --help)
92 if [[ "$wc_help_text" == *" --no-filenames "* ]]; then
93   alias ll_wc='wc'
94 fi
95
96 in_place_grep(){
97   LFBFL_temp=".in_place_grep.temp"
98   grep $@ > "${!#}""$LFBFL_temp"
99   LFBFL_lines_before=$(ll_wc -l -n "${!#}")
100  LFBFL_lines_after=$(ll_wc -l -n "${!#}""$LFBFL_temp")
101  # echo "$LFBFL_lines_before"
102  # echo "$LFBFL_lines_after"
103  if [[ "$LFBFL_lines_before" ==  "$LFBFL_lines_after" ]]; then
104    rm "${!#}""$LFBFL_temp"
105    return
106  fi
107  mv "${!#}""$LFBFL_temp" "${!#}"
108 }
109
110 grep_variable(){
```

```
111   # $1=$file
112   # $2=$variable_name
113   LFBFL_regexp="(?<=^$2=).*$"
114   # echo $LFBFL_regexp
115   LFBFL_variable_value="$(grep -oP "$LFBFL_regexp" "$1")"
116   # echo $LFBFL_variable_value
117   declare -g "$2"="$LFBFL_variable_value"
118   }
119
120   grep_variable repository_data.txt repository_name
121
122   empty_lines(){
123     grep '^$'
124   }
125
126   not_empty_lines(){
127     grep -v '^$'
128   }
129
130   space_starting_lines(){
131     grep '^[ ]'
132   }
133
134   not_space_starting_lines(){
135     grep '^[^ ]'
136   }
137
138   empty_lines_after_file_name(){
139     grep '^[^:]\+:$'
140   }
141
142   not_empty_lines_after_file_name(){
143     grep -v '^[^:]\+:$'
144   }
145
146   space_starting_lines_after_file_name(){
147     grep '^[^:]\+: '
148   }
149
150   not_space_starting_lines_after_file_name(){
151     grep '^[^:]\+:[^ ]'
152   }
153
154   not_JS_dependencies_find(){
155     grep -vE "(^|/)node_modules/" | grep -vE "(^|/)package-lock\.json$"
156   }
```

```
157
158   not_JS_dependencies_grep(){
159     grep -v "^[^:]*node_modules/" | grep -v "^[^:]*package-lock\.json:"
160   }
161
162   not_dependencies_find(){
163     not_JS_dependencies_find
164   }
165
166   not_dependencies_grep(){
167     not_JS_dependencies_grep
168   }
169
170   not_python_cache_find(){
171     grep -vE "(^|/)__pycache__/" | grep -vE "(^|/)\.mypy_cache/"
172   }
173
174   not_python_cache_grep(){
175     grep -v "^[^:]*__pycache__/" | grep -v "^[^:]*\.mypy_cache/"
176   }
177
178   not_cache_find(){
179     not_python_cache_find
180   }
181
182   not_cache_grep(){
183     not_python_cache_grep
184   }
185
186   not_git_find(){
187     grep -vE "(^|/)\.git/"
188   }
189
190   not_git_grep(){
191     grep -v "^[^:]*\.git/"
192   }
193
194   not_archive_find(){
195     grep -vE "(\.gz|\.rar|\.tar|\.tgz|\.whl)$"
196   }
197
198   not_archive_grep(){
199     grep -vE "^[^:]*(\.gz|\.rar|\.tar|\.tgz|\.whl):"
200   }
201
202   not_license_find(){
```

```
203   grep -vE "(ˆ|/)COPYING$" | grep -vE "(ˆ|/)COPYING\.LESSER$"
204 }
205
206 not_license_grep(){
207   grep -v "ˆ[ˆ:]*COPYING:" | grep -v "ˆ[ˆ:]*COPYING\.LESSER:"
208 }
209
210 not_main_tex_find(){
211   grep -vE "(ˆ|/)$repository_name\.tex$"
212 }
213
214 not_main_tex_grep(){
215   grep -v "ˆ[ˆ:]*$repository_name\.tex:"
216 }
217
218 relevant_find(){
219   not_dependencies_find | not_cache_find | not_git_find\
220   | not_archive_find
221 }
222
223 relevant_grep(){
224   not_dependencies_grep | not_cache_grep | not_git_grep\
225   | not_archive_grep
226 }
```

2.28   build_and_checks_dependencies/overwrite_if_not_equal.sh

```
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23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  overwrite_if_not_equal(){
26    # $1=$target_file_name
27    # $2=$temp_file_name
28    if [[ ! -f "$1" ]]; then
29      mv "$2" "$1"
30      return
31    fi
32    diff -q "$1" "$2"
33    overwrite_if_not_equal_var_is_equal=$?
34    if [[ $overwrite_if_not_equal_var_is_equal == 0 ]]; then
35      rm "$2"
36    else
37      mv "$2" "$1"
38    fi
39  }
```

2.29   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  }
```

2.30   build_and_checks_dependencies/python_isort_complement.sh

```
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23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/lines_filters.sh"
27  source "./$subdir/overwrite_if_not_equal.sh"
28
```

47

```
29  check_collections_abc_place(){
30    echo "Checking import of _collections_abc is at the right place"
31    LFBFL_temp=".check_collections_abc_place.temp"
32    find . -name "*.py" | relevant_find\
33      | while read -r LFBFL_file_name; do
34      [ -f "$LFBFL_file_name" ] || continue
35      sed -Ez 's/\n(\nfrom _collections_abc[^\n]*)/\1\n/Mg'\
36        "$LFBFL_file_name" > "$LFBFL_file_name$LFBFL_temp"
37      overwrite_if_not_equal "$LFBFL_file_name"\
38        "$LFBFL_file_name$LFBFL_temp"
39    done
40  }
41
42  python_isort_complement(){
43    check_collections_abc_place
44  }
```

2.31 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 LFBFL_pattern in "${common_file_patterns[@]}"; do
31      [ "$1" != "-v" ] || echo "Iterating on pattern: $LFBFL_pattern"
32      find . -type f -name "$LFBFL_pattern" -printf '%P\n'\
33        | xargs grep -H '.\{71\}'
34    done
35  }
```

2.32 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_beginnings.sh"\
30    "check_URLs.sh"\
31    "comparisons.sh"\
32    "create_PDF.sh"\
33    "generate_from_template.sh"\
34    "get_common_text_glob_patterns.sh"\
35    "grammar_and_spell_check.sh"\
```

```
36    "licenses_templates/build_licenses_templates.sh"\
37    "licenses_templates/license_file_header_GPLv3+.tpl"\
38    "licenses_templates/license_file_header_LGPLv3+.tpl"\
39    "lines_counts.sh"\
40    "lines_filters.sh"\
41    "listings/update_or_check_files_names_listing.sh"\
42    "listings/files_names_listing.txt"\
43    "overwrite_if_not_equal.sh"\
44    "python_black_complement.sh"\
45    "python_isort_complement.sh"\
46    "too_long_code_lines.sh"\
47  )
48
49  for file_name in "${file_names[@]}"; do
50    file_sha512=$(sha512sum "./$file_name" | cut -f1 -d' ')
51    file_sha512_1="correct_sha512='${file_sha512:0:53}'"
52    file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
53    file_sha512_3="correct_sha512\+='${file_sha512:105}'"
54    file_sha512_all="$file_sha512_1\n"
55    file_sha512_all+="$file_sha512_2\n"
56    file_sha512_all+="$file_sha512_3"
57    base_file_name=$(basename "$file_name")
58    sed -i "s|@sha512_$base_file_name@|$file_sha512_all|g"\
59        ./common_build_and_checks.sh
60  done
61
62  cp ./build_and_checks.sh.tpl ../build_and_checks.sh
63
64  file_sha512=$(sha512sum common_build_and_checks.sh | cut -f1 -d' ')
65  file_sha512_1="correct_sha512='${file_sha512:0:53}'"
66  file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
67  file_sha512_3="correct_sha512\+='${file_sha512:105}'"
68  file_sha512_all="$file_sha512_1\n"
69  file_sha512_all+="$file_sha512_2\n"
70  file_sha512_all+="$file_sha512_3"
71  sed -i "s|@sha512_common_build_and_checks.sh@|$file_sha512_all|g"\
72        ../build_and_checks.sh
```

2.33 build_and_checks.sh

```
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24
25   source ./wget_sha512.sh
26
27   mkdir -p build_and_checks_dependencies/licenses_templates
28   mkdir -p build_and_checks_dependencies/listings
29   subdir="build_and_checks_dependencies"
30
31   personal_github="https://raw.githubusercontent.com/LLyaudet/"
32   dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
33   URL_beginning="$personal_github$dependencies"
34
35   script="$URL_beginning/common_build_and_checks.sh"
36   correct_sha512='c7315a6a5f01bc7643be4fe0e198bc1fdc73b683e494fc376c0f5'
37   correct_sha512+='bc6257e6e91eecf4e6e3cdb7e9b97edd21c80af80cb1ed29fe86'
38   correct_sha512+='114c226094df8c8ba681cab'
39   wget_sha512 "./$subdir/common_build_and_checks.sh" "$script"\
40     "$correct_sha512"
41   chmod +x "./$subdir/common_build_and_checks.sh"
42
43   cwd="."
44   if [[ -n "$1" ]];
45   then
46     cwd="$1"
47   fi
48
49   ./build_and_checks_dependencies/common_build_and_checks.sh "$cwd"
```

2.34 git_checks.sh

```bash
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check_files(){
  check_files_var_send_summary_1="ATTENTION : models modifiés"
  check_files_var_send_body_1="Vérifiez si besoin de migrations"
  check_files_var_send_body_2=\
"Pensez aussi aux contraintes d'unicités"
  check_files_var_send_body_2+=" dès la création du modèle"
  check_files_var_send_summary_2="ATTENTION : serializers modifiés"
  check_files_var_send_body_3=\
"Les nouveaux preloadings sont interdits -> #Prefetch()"
  if git diff --cached --name-only | grep models;
  then
    notify-send "$check_files_var_send_summary_1"\
      "$check_files_var_send_body_1"
    notify-send "$check_files_var_send_summary_1"\
      "$check_files_var_send_body_2"
  fi
  if git diff --cached --name-only | grep serializer;
  then
    notify-send "$check_files_var_send_summary_2"\
      "$check_files_var_send_body_3"
```

```
45    fi
46    return 0
47  }
48
49
50  check_no_abusive_trailing_comma(){
51    LFBFL_send_summary_1="ATTENTION"
52    LFBFL_send_body_1="Il semblerait que vous affectiez un tuple"
53    LFBFL_send_body_1+=" au lieu d'une autre valeur dans une variable."
54    if git diff --cached -r | grep ' = .*,\s*$';
55    then
56      notify-send "$LFBFL_send_summary_1" "$LFBFL_send_body_1"
57      return 1
58    fi
59    return 0
60  }
61
62
63  check_black_code_formatting(){
64    # attention ça ne marche que sur les fichiers "stagés" avec git add
65    LFBFL_files_string=$(\
66      git diff --cached --name-only | grep '\.py'\
67    )
68    echo "$LFBFL_files_string"
69    mapfile -t LFBFL_some_files <<< "$LFBFL_files_string"
70    LFBFL_error=0
71    for LFBFL_file in ${LFBFL_some_files[@]}; do
72      echo "Black will check formatting on file $LFBFL_file"
73      if ! black --check --diff "$LFBFL_file";
74      then
75        LFBFL_error=1
76      fi
77    done
78    if [ $LFBFL_error -eq '1' ];
79    then
80      return 1
81    fi
82    return 0
83  }
```

2.35 build_and_checks_dependencies/grammar_and_spell_check.sh

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

```
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
27  source "./$subdir/lines_filters.sh"
28
29  grammar_and_spell_check(){
30    get_common_text_files_glob_patterns
31    grep_variable "$1" grammar_or_spell_checker_command
32    LFBFL_command=$(\
33      echo "$grammar_or_spell_checker_command"\
34      | sed -Ez -e "s/\n//Mg"\
35    )
36    for LFBFL_pattern in "${common_file_patterns[@]}"; do
37      [ "$2" != "-v" ] || echo "Iterating on pattern: $LFBFL_pattern"
38      find . -type f -name "$LFBFL_pattern" -printf '%P\n'\
39        | while read -r file_name;
40      do
41        LFBFL_eval_string="$LFBFL_command $file_name"
42        eval "$LFBFL_eval_string"
43      done
44    done
45  }
```

2.36 latex/DevOrSysAdminScripts.tex.tpl

```
 1  % This file is part of DevOrSysAdminScripts library.
 2  %
```

```
23
24  \documentclass{article}
25
26  \usepackage[utf8]{inputenc}
27  \usepackage{subfigure}
28  \usepackage{amsmath}
29  \usepackage{amssymb}
30  \usepackage{amsthm}
31  \usepackage[pdftex]{hyperref}
32  \usepackage{tikz}
33  \usepackage{caption}
34  \usepackage[round]{natbib}
35  \usepackage{fancyhdr}
36  \usepackage{amsfonts}
37  \usepackage{times}
38  \usepackage{ifpdf}
39  \usepackage{latexsym}
40  \usepackage{graphicx}
41  \usepackage{enumerate}
42  \usepackage{pmboxdraw}
43  \usepackage{fancyvrb}
44
45  % *** les environnements ***
46  %\theoremstyle{break}
47  \newtheorem{definition}{Definition}[section]
48  \newtheorem{proposition}[definition]{Proposition}
```

```latex
49  \newtheorem{theorem}[definition]{Theorem}
50  \newtheorem{lemma}[definition]{Lemma}
51  \newtheorem{corollary}[definition]{Corollary}
52  \newtheorem{remark}[definition]{Remark}
53  \newtheorem{openproblem}[definition]{Open problem}
54
55  \begin{document}
56
57  \author{
58    Laurent Lyaudet\\
59    \url{https://lyaudet.eu/laurent/}\\
60    laurent.lyaudet@gmail.com
61  }
62  \title{DevOrSysAdminScripts}
63
64  \maketitle
65  \begin{abstract}
66  Some ''small'' useful scripts
67  for enhancing development or system-administrators tasks
68  \end{abstract}
69
70  Current version: @current_date@
71
72  Current number of commits: @number_of_commits@
73
74  Current git SHA1: @current_git_SHA1@
75
76  Code lines: @number_of_lines@
77
78  \section{Files tree}
79  \label{section:tree}
80
81  \begin{verbatim}
82  @current_tree_light@
83  \end{verbatim}
84
85  \begin{verbatim}
86  @current_tree@
87  \end{verbatim}
88
89  \section{Listing of files}
90  \label{section:listing}
91
92  The following source code is covered by LGPLv3+.
93  The text of the license is available at:
94  \url{https://www.gnu.org/licenses/}.
```

```
 95  The git repository of this source code is also available at:
 96  \url{https://github.com/LLyaudet/DevOrSysAdminScripts/}.
 97
 98
 99  \subsection{
100    build\_and\_checks\_dependencies/build\_and\_checks.sh.tpl
101  }
102  \label{
103    build_and_checks_dependencies:build_and_checksshtpl
104  }
105
106  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
107    build_and_checks_dependencies/build_and_checks.sh.tpl
108  }
109
110
111  \subsection{
112    build\_and\_checks\_dependencies/build\_md\_from\_printable\_md.sh
113  }
114  \label{
115    build_and_checks_dependencies:build_md_from_printable_mdsh
116  }
117
118  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
119    build_and_checks_dependencies/build_md_from_printable_md.sh
120  }
121
122
123  \subsection{
124    build\_and\_checks\_dependencies/%
125  check\_shell\_scripts\_beginnings.sh
126  }
127  \label{
128    build_and_checks_dependencies:check_shell_scripts_beginningssh
129  }
130
131  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
132    build_and_checks_dependencies/check_shell_scripts_beginnings.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_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/comparisons.sh
174   }
175   \label{
176     build_and_checks_dependencies:comparisonssh
177   }
178
179   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
180     build_and_checks_dependencies/comparisons.sh
181   }
182
183
184   \subsection{
185     build\_and\_checks\_dependencies/create\_PDF.sh
186   }
```

```
187  \label{
188    build_and_checks_dependencies:create_PDFsh
189  }
190
191  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
192    build_and_checks_dependencies/create_PDF.sh
193  }
194
195
196  \subsection{
197    build\_and\_checks\_dependencies/generate\_from\_template.sh
198  }
199  \label{
200    build_and_checks_dependencies:generate_from_templatesh
201  }
202
203  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
204    build_and_checks_dependencies/generate_from_template.sh
205  }
206
207
208  \subsection{
209    build\_and\_checks\_dependencies/get\_common\_text\_glob\_patterns%
210  .sh
211  }
212  \label{
213    build_and_checks_dependencies:get_common_text_glob_patternssh
214  }
215
216  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
217    build_and_checks_dependencies/get_common_text_glob_patterns.sh
218  }
219
220
221  \subsection{
222    build\_and\_checks\_dependencies/licenses\_templates/%
223  build\_licenses\_templates.sh
224  }
225  \label{
226    build_and_checks_dependencies:licenses_templates:%
227  build_licenses_templatessh
228  }
229
230  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
231    build_and_checks_dependencies/licenses_templates/%
232  build_licenses_templates.sh
```

```
233  }
234

235

236  \subsection{
237    build\_and\_checks\_dependencies/licenses\_templates/%
238  license\_file\_header\_GPLv3+.c.tpl
239  }
240  \label{
241    build_and_checks_dependencies:licenses_templates:%
242  license_file_header_GPLv3+ctpl
243  }
244

245  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
246    build_and_checks_dependencies/licenses_templates/%
247  license_file_header_GPLv3+.c.tpl
248  }
249

250

251  \subsection{
252    build\_and\_checks\_dependencies/licenses\_templates/%
253  license\_file\_header\_GPLv3+.py.tpl
254  }
255  \label{
256    build_and_checks_dependencies:licenses_templates:%
257  license_file_header_GPLv3+pytpl
258  }
259

260  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
261    build_and_checks_dependencies/licenses_templates/%
262  license_file_header_GPLv3+.py.tpl
263  }
264

265

266  \subsection{
267    build\_and\_checks\_dependencies/licenses\_templates/%
268  license\_file\_header\_GPLv3+.sh.tpl
269  }
270  \label{
271    build_and_checks_dependencies:licenses_templates:%
272  license_file_header_GPLv3+shtpl
273  }
274

275  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
276    build_and_checks_dependencies/licenses_templates/%
277  license_file_header_GPLv3+.sh.tpl
278  }
```

```
279

280
281  \subsection{
282    build\_and\_checks\_dependencies/licenses\_templates/%
283  license\_file\_header\_GPLv3+.tex.tpl
284  }
285  \label{
286    build_and_checks_dependencies:licenses_templates:%
287  license_file_header_GPLv3+textpl
288  }

289
290  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
291    build_and_checks_dependencies/licenses_templates/%
292  license_file_header_GPLv3+.tex.tpl
293  }

294

295
296  \subsection{
297    build\_and\_checks\_dependencies/licenses\_templates/%
298  license\_file\_header\_GPLv3+.tpl
299  }
300  \label{
301    build_and_checks_dependencies:licenses_templates:%
302  license_file_header_GPLv3+tpl
303  }

304
305  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
306    build_and_checks_dependencies/licenses_templates/%
307  license_file_header_GPLv3+.tpl
308  }

309

310
311  \subsection{
312    build\_and\_checks\_dependencies/licenses\_templates/%
313  license\_file\_header\_LGPLv3+.c
314  }
315  \label{
316    build_and_checks_dependencies:licenses_templates:%
317  license_file_header_LGPLv3+c
318  }

319
320  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
321    build_and_checks_dependencies/licenses_templates/%
322  license_file_header_LGPLv3+.c
323  }

324
```

```
325
326   \subsection{
327      build\_and\_checks\_dependencies/licenses\_templates/%
328   license\_file\_header\_LGPLv3+.c.tpl
329   }
330   \label{
331      build_and_checks_dependencies:licenses_templates:%
332   license_file_header_LGPLv3+ctpl
333   }
334
335   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
336      build_and_checks_dependencies/licenses_templates/%
337   license_file_header_LGPLv3+.c.tpl
338   }
339
340
341   \subsection{
342      build\_and\_checks\_dependencies/licenses\_templates/%
343   license\_file\_header\_LGPLv3+.py
344   }
345   \label{
346      build_and_checks_dependencies:licenses_templates:%
347   license_file_header_LGPLv3+py
348   }
349
350   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
351      build_and_checks_dependencies/licenses_templates/%
352   license_file_header_LGPLv3+.py
353   }
354
355
356   \subsection{
357      build\_and\_checks\_dependencies/licenses\_templates/%
358   license\_file\_header\_LGPLv3+.py.tpl
359   }
360   \label{
361      build_and_checks_dependencies:licenses_templates:%
362   license_file_header_LGPLv3+pytpl
363   }
364
365   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
366      build_and_checks_dependencies/licenses_templates/%
367   license_file_header_LGPLv3+.py.tpl
368   }
369
370
```

```
371  \subsection{
372    build\_and\_checks\_dependencies/licenses\_templates/%
373  license\_file\_header\_LGPLv3+.sh
374  }
375  \label{
376    build_and_checks_dependencies:licenses_templates:%
377  license_file_header_LGPLv3+sh
378  }

379
380  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
381    build_and_checks_dependencies/licenses_templates/%
382  license_file_header_LGPLv3+.sh
383  }

384

385
386  \subsection{
387    build\_and\_checks\_dependencies/licenses\_templates/%
388  license\_file\_header\_LGPLv3+.sh.tpl
389  }
390  \label{
391    build_and_checks_dependencies:licenses_templates:%
392  license_file_header_LGPLv3+shtpl
393  }

394
395  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
396    build_and_checks_dependencies/licenses_templates/%
397  license_file_header_LGPLv3+.sh.tpl
398  }

399

400
401  \subsection{
402    build\_and\_checks\_dependencies/licenses\_templates/%
403  license\_file\_header\_LGPLv3+.tex
404  }
405  \label{
406    build_and_checks_dependencies:licenses_templates:%
407  license_file_header_LGPLv3+tex
408  }

409
410  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
411    build_and_checks_dependencies/licenses_templates/%
412  license_file_header_LGPLv3+.tex
413  }

414

415
416  \subsection{
```

```
417    build\_and\_checks\_dependencies/licenses\_templates/%
418  license\_file\_header\_LGPLv3+.tex.tpl
419  }
420  \label{
421    build_and_checks_dependencies:licenses_templates:%
422  license_file_header_LGPLv3+textpl
423  }

425  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
426    build_and_checks_dependencies/licenses_templates/%
427  license_file_header_LGPLv3+.tex.tpl
428  }


430
431  \subsection{
432    build\_and\_checks\_dependencies/licenses\_templates/%
433  license\_file\_header\_LGPLv3+.tpl
434  }
435  \label{
436    build_and_checks_dependencies:licenses_templates:%
437  license_file_header_LGPLv3+tpl
438  }

440  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
441    build_and_checks_dependencies/licenses_templates/%
442  license_file_header_LGPLv3+.tpl
443  }


445
446  \subsection{
447    build\_and\_checks\_dependencies/lines\_counts.sh
448  }
449  \label{
450    build_and_checks_dependencies:lines_countssh
451  }

453  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
454    build_and_checks_dependencies/lines_counts.sh
455  }

456

457
458  \subsection{
459    build\_and\_checks\_dependencies/lines\_filters.sh
460  }
461  \label{
462    build_and_checks_dependencies:lines_filterssh
```

```
463   }
464
465   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
466     build_and_checks_dependencies/lines_filters.sh
467   }
468
469
470   \subsection{
471     build\_and\_checks\_dependencies/overwrite\_if\_not\_equal.sh
472   }
473   \label{
474     build_and_checks_dependencies:overwrite_if_not_equalsh
475   }
476
477   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
478     build_and_checks_dependencies/overwrite_if_not_equal.sh
479   }
480
481
482   \subsection{
483     build\_and\_checks\_dependencies/python\_black\_complement.sh
484   }
485   \label{
486     build_and_checks_dependencies:python_black_complementsh
487   }
488
489   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
490     build_and_checks_dependencies/python_black_complement.sh
491   }
492
493
494   \subsection{
495     build\_and\_checks\_dependencies/python\_isort\_complement.sh
496   }
497   \label{
498     build_and_checks_dependencies:python_isort_complementsh
499   }
500
501   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
502     build_and_checks_dependencies/python_isort_complement.sh
503   }
504
505
506   \subsection{
507     build\_and\_checks\_dependencies/too\_long\_code\_lines.sh
508   }
```

65

```
509  \label{
510    build_and_checks_dependencies:too_long_code_linessh
511  }
512
513  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
514    build_and_checks_dependencies/too_long_code_lines.sh
515  }
516
517
518  \subsection{
519    build\_and\_checks\_dependencies/update\_common\_build\_and\_checks%
520  .sh
521  }
522  \label{
523    build_and_checks_dependencies:update_common_build_and_checkssh
524  }
525
526  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
527    build_and_checks_dependencies/update_common_build_and_checks.sh
528  }
529
530
531  \subsection{
532    build\_and\_checks.sh
533  }
534  \label{
535    build_and_checkssh
536  }
537
538  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
539    build_and_checks.sh
540  }
541
542
543  \subsection{
544    git\_checks.sh
545  }
546  \label{
547    git_checkssh
548  }
549
550  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
551    git_checks.sh
552  }
553
554
```

```
555  \subsection{
556    build\_and\_checks\_dependencies/grammar\_and\_spell\_check.sh
557  }
558  \label{
559    build_and_checks_dependencies:grammar_and_spell_checksh
560  }
561
562  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
563    build_and_checks_dependencies/grammar_and_spell_check.sh
564  }
565
566
567  \subsection{
568    latex/DevOrSysAdminScripts.tex.tpl
569  }
570  \label{
571    latex:DevOrSysAdminScriptstextpl
572  }
573
574  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
575    latex/DevOrSysAdminScripts.tex.tpl
576  }
577
578
579  \subsection{
580    LiensUtiles.txt
581  }
582  \label{
583    LiensUtilestxt
584  }
585
586  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
587    LiensUtiles.txt
588  }
589
590
591  \subsection{
592    pre-commit
593  }
594  \label{
595    pre-commit
596  }
597
598  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
599    pre-commit
600  }
```

```
601
602
603  \subsection{
604     README.md.tpl
605  }
606  \label{
607     READMEmdtpl
608  }
609
610  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
611     README.md.tpl
612  }
613
614
615  \subsection{
616     repository\_data.txt
617  }
618  \label{
619     repository_datatxt
620  }
621
622  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
623     repository_data.txt
624  }
625
626
627  \subsection{
628     wget\_sha512.sh
629  }
630  \label{
631     wget_sha512sh
632  }
633
634  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
635     wget_sha512.sh
636  }
637
638
639  Merci Dieu ! Merci P\`ere ! Merci Seigneur ! Merci Saint Esprit !
640
641  \end{document}
```

2.37 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
```

2.38   pre-commit

```
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 Frédéric Bernard François 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
```

69

```
38   git_hook_error=1
39 fi
40 if [ $git_hook_error -eq '1' ];
41 then
42   exit 1
43 fi
44 exit 0
```

2.39   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 development 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
```

2.40 repository_data.txt

```
1   repository_name=DevOrSysAdminScripts
2   repository_web_url=https://github.com/LLyaudet/DevOrSysAdminScripts/
3   repository_git_url=git@github.com:LLyaudet/DevOrSysAdminScripts.git
4   abstract=Some \small" useful scripts
5   abstract=for enhancing development or system-administrators tasks
6   license=LGPLv3+
7   author_email=Laurent.Lyaudet@gmail.com
8   author_full_name=Laurent Frédéric Bernard François Lyaudet
9   author_last_name=Lyaudet
10  author_name=Laurent Lyaudet
11  author_website=https://lyaudet.eu/laurent/
12  acknowledgments=Merci Dieu !
13  acknowledgments=Merci Père ! Merci Seigneur ! Merci Saint Esprit !
14  grammar_or_spell_checker_command=more
```

2.41 wget_sha512.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.
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 Frédéric Bernard François Lyaudet
24
25  wget_sha512(){
26    # $1 file_name
27    # $2 download_URL
28    # $3 correct_sha512
29    if [[ ! -f "$1" ]];
30    then
31      wget -O "$1" "$2"
32    fi
33    wget_sha512_var_present_sha512=$(sha512sum "$1" | cut -f1 -d' ')
34    if [[ "$wget_sha512_var_present_sha512" != "$3" ]];
35    then
36      echo "$1 does not have correct sha512"
37      echo "wanted $3"
38      echo "found $wget_sha512_var_present_sha512"
39      exit
40    fi
41  }
```

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