DevOrSysAdminScripts

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May 16, 2024

Abstract

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

Current version: 2024-05-16
Current number of commits: 83
Current git SHA1: a931881c4c4678ea6eab7c9dde4bb54bc872ad9b
Code lines: 4132 total lines, 3655 not empty lines, 477 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
        │   └── update_or_check_file_name_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
├── html
│   └── DevOrSysAdminScripts.html.tpl
├── latex
│   ├── DevOrSysAdminScripts.tex
│   └── DevOrSysAdminScripts.tex.tpl
├── LiensUtiles.txt
├── listings
│   └── listing.tex.tpl.tpl
├── pre-commit
├── README.md
├── README.md.tpl
├── repository_data.txt
└── wget_sha512.sh

7 directories, 50 files

[ 12K May 16 20:43]  ./
├── [4.0K May 16 20:43]  build_and_checks_dependencies/
│   ├── [1.4K May 16 03:01]  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
│   ├── [7.8K May 16 20:43]  common_build_and_checks.sh*
```

```
│    ├── [5.3K May 16 20:12]  common_build_and_checks.sh.tpl
│    ├── [2.9K May 16 15:28]  comparisons.sh
│    ├── [6.6K May 16 20:42]  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 16 20:43]  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 16 20:43]  listings/
│    │    └── [2.5K May 16 20:43]  update_or_check_file_name_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
│    └── [2.4K May 16 20:12]  update_common_build_and_checks.sh*
├── [1.6K May 16 20:43]  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
├── [144K May 16 20:43]  DevOrSysAdminScripts.pdf
├── [2.5K May 16 15:31]  git_checks.sh
├── [4.0K May 14 19:47]  html/
│    └── [9.7K May 14 19:47]  DevOrSysAdminScripts.html.tpl
├── [4.0K May 16 20:43]  latex/
│    ├── [ 13K May 16 20:43]  DevOrSysAdminScripts.tex
│    └── [ 13K May 16 19:42]  DevOrSysAdminScripts.tex.tpl
├── [ 424 May  6 00:49]  LiensUtiles.txt
├── [4.0K May 14 22:51]  listings/
│    └── [6.9K May 14 22:49]  listing.tex.tpl.tpl
├── [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
```

7 directories, 50 files

2 Listing of files

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

2.1 build_and_checks_dependencies/build_and_checks.sh.tpl

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

4

```
31  dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
32  URL_beginning="$personal_github$dependencies"
33
34  script="$URL_beginning/common_build_and_checks.sh"
35  @sha512_common_build_and_checks.sh@
36  wget_sha512 "./$subdir/common_build_and_checks.sh" "$script"\
37    "$correct_sha512"
38  chmod +x "./$subdir/common_build_and_checks.sh"
39
40  cwd="."
41  if [[ -n "$1" ]];
42  then
43    cwd="$1"
44  fi
45
46  ./build_and_checks_dependencies/common_build_and_checks.sh "$cwd"
```

2.2 build and checks dependencies/build md from printable md.sh

```
1   #!/usr/bin/env bash
2   # This file is part of DevOrSysAdminScripts library.
3   #
4   # DevOrSysAdminScripts is free software:
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/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  #
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  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.
 3  #
 4  # DevOrSysAdminScripts is free software:
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 6  # of the GNU Lesser General Public License
 7  # as published by the Free Software Foundation,
 8  # either version 3 of the License,
 9  # or (at your option) any later version.
10  #
```

```
11  # DevOrSysAdminScripts is distributed in the hope
12  # that it will be useful,
13  # but WITHOUT ANY WARRANTY;
14  # without even the implied warranty of
15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
18  # You should have received a copy of
19  # the GNU Lesser General Public License
20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent 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

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
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# of the GNU Lesser General Public License
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# or (at your option) any later version.
#
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# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
# See the GNU Lesser General Public License for more details.
#
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#
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source ./wget_sha512.sh

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

subdir="build_and_checks_dependencies"

script="$URL_beginning/build_md_from_printable_md.sh"
correct_sha512='5231a90246a58da4bb27440edd3281c02b05e29cd9b1bfe340a25'
correct_sha512+='7eefcf7df82f70ed3ce95a112bc03710839b2dfde066317c938f'
correct_sha512+='302bc599f8d293d45910b8a'
wget_sha512 "./$subdir/build_md_from_printable_md.sh" "$script"\
  "$correct_sha512"
chmod +x "./$subdir/build_md_from_printable_md.sh"

script="$URL_beginning/check_shell_scripts_beginnings.sh"
correct_sha512='d94931d4b20b7987aed4dd02663ad5feba3389c8fdea2fdbfb91d'
correct_sha512+='0b71eed4ef80c8d4a8eef5c147837183b2c9ed6d577cda3ad67f'
correct_sha512+='6d6485a015eac56fa0daa3b'
```

```
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  script="$URL_beginning/overwrite_if_not_equal.sh"
125  correct_sha512='afabf6f384e61920dbc575afb1519173ac2654b6180b9a28c5ffc'
126  correct_sha512+='173a05c6e6d4011d7bc8912da15caee923c9033d8355967920e4'
127  correct_sha512+='d05e2cd575c3cf065fc8e40'
128  wget_sha512 "./$subdir/overwrite_if_not_equal.sh" "$script"\
129    "$correct_sha512"
130
131  script="$URL_beginning/python_black_complement.sh"
132  correct_sha512='7152e9d01cc3c72371695635cd6866b2e13ce25f4842afb8e4e87'
133  correct_sha512+='b6447b26abafbdbc850f69946913b5b2c423b265c9066a2b4655'
134  correct_sha512+='6dea19c04a5416588423a74'
135  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
136    "$correct_sha512"
```

```
137
138 script="$URL_beginning/python_isort_complement.sh"
139 correct_sha512='770e5ed16e4b5f6d61577794033161d361bc2eacea6d08a5c7b9a'
140 correct_sha512+='1577666cf655d1c947108adb9151d87f937471d30716a6d50d76'
141 correct_sha512+='f84bbcf1f1620fb9ede4575'
142 wget_sha512 "./$subdir/python_isort_complement.sh" "$script"\
143     "$correct_sha512"
144
145 script="$URL_beginning/too_long_code_lines.sh"
146 correct_sha512='a8716971f22a14160701b6e801c4f66220e2e1dd174f24e43775e'
147 correct_sha512+='e743aeaa4ee66dadae185e134c3554f8c37d8ee457d051336ed3'
148 correct_sha512+='430b734bcf80e8d5704064b'
149 wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
150     "$correct_sha512"
151
152 shopt -s globstar
153 source "./$subdir/check_shell_scripts_beginnings.sh"
154 source "./$subdir/check_URLs.sh"
155 source "./$subdir/comparisons.sh"
156 source "./$subdir/generate_from_template.sh"
157 source "./$subdir/get_common_text_glob_patterns.sh"
158 source "./$subdir/lines_counts.sh"
159 source "./$subdir/lines_filters.sh"
160 source "./$subdir/overwrite_if_not_equal.sh"
161 source "./$subdir/python_black_complement.sh"
162 source "./$subdir/python_isort_complement.sh"
163 source "./$subdir/too_long_code_lines.sh"
164
165 cwd="."
166 if [[ -n "$1" ]];
167 then
168     cwd="$1"
169 fi
170
171 echo "Building license headers"
172 ./$subdir2/build_licenses_templates.sh "$cwd"
173
174 echo "Building README.md"
175 ./$subdir/build_md_from_printable_md.sh "$cwd"
176
177 pushd .
178 cd "$cwd"
179
180 echo "Running isort"
181 isort .
182 python_isort_complement
```

```
183
184  echo "Running black"
185  black .
186  python_black_complement
187
188  find . -name "pyproject.toml" | relevant_find\
189    | while read -r file_name;
190  do
191    if grep -q "Typing :: Typed" "$file_name"; then
192      echo "Running mypy"
193      mypy $(dirname "$file_name")
194    fi
195  done
196
197  echo "Analyzing too long lines"
198  too_long_code_lines | relevant_grep | not_license_grep
199
200  echo "Analyzing shell scripts beginnings"
201  check_shell_scripts_beginnings | relevant_grep
202
203  echo "Analyzing URLs"
204  check_URLs | relevant_grep
205
206  echo "Creating the PDF file of the listing of the source code"
207  ./build_and_checks_dependencies/create_PDF.sh
208
209  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"
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  script="$URL_beginning/overwrite_if_not_equal.sh"
99  @sha512_overwrite_if_not_equal.sh@
100 wget_sha512 "./$subdir/overwrite_if_not_equal.sh" "$script"\
101   "$correct_sha512"

102
103 script="$URL_beginning/python_black_complement.sh"
104 @sha512_python_black_complement.sh@
105 wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
106   "$correct_sha512"

107
108 script="$URL_beginning/python_isort_complement.sh"
```

```
109  @sha512_python_isort_complement.sh@
110  wget_sha512 "./$subdir/python_isort_complement.sh" "$script"\
111    "$correct_sha512"
112
113  script="$URL_beginning/too_long_code_lines.sh"
114  @sha512_too_long_code_lines.sh@
115  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
116    "$correct_sha512"
117
118  shopt -s globstar
119  source "./$subdir/check_shell_scripts_beginnings.sh"
120  source "./$subdir/check_URLs.sh"
121  source "./$subdir/comparisons.sh"
122  source "./$subdir/generate_from_template.sh"
123  source "./$subdir/get_common_text_glob_patterns.sh"
124  source "./$subdir/lines_counts.sh"
125  source "./$subdir/lines_filters.sh"
126  source "./$subdir/overwrite_if_not_equal.sh"
127  source "./$subdir/python_black_complement.sh"
128  source "./$subdir/python_isort_complement.sh"
129  source "./$subdir/too_long_code_lines.sh"
130
131  cwd="."
132  if [[ -n "$1" ]];
133  then
134    cwd="$1"
135  fi
136
137  echo "Building license headers"
138  ./$subdir2/build_licenses_templates.sh "$cwd"
139
140  echo "Building README.md"
141  ./$subdir/build_md_from_printable_md.sh "$cwd"
142
143  pushd .
144  cd "$cwd"
145
146  echo "Running isort"
147  isort .
148  python_isort_complement
149
150  echo "Running black"
151  black .
152  python_black_complement
153
154  find . -name "pyproject.toml" | relevant_find\
```

```
155    | while read -r file_name;
156  do
157    if grep -q "Typing :: Typed" "$file_name"; then
158      echo "Running mypy"
159      mypy $(dirname "$file_name")
160    fi
161  done
162
163  echo "Analyzing too long lines"
164  too_long_code_lines | relevant_grep | not_license_grep
165
166  echo "Analyzing shell scripts beginnings"
167  check_shell_scripts_beginnings | relevant_grep
168
169  echo "Analyzing URLs"
170  check_URLs | relevant_grep
171
172  echo "Creating the PDF file of the listing of the source code"
173  ./build_and_checks_dependencies/create_PDF.sh
174
175  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
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/"\
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"\
```

```bash
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:"
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.
```

```bash
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: $file_name"
171      line_start=$(\
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

```
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
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8   # either version 3 of the License,
9   # or (at your option) any later version.
10  #
11  # DevOrSysAdminScripts is distributed in the hope
12  # that it will be useful,
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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  generate_from_template_with_block_comments(){
26    # $1=base_file_name
27    # $2=target_file_name
28    # $3=enter_block_comment
29    # $4=exit_block_comment
30    LFBFL_temp=".generate_from_template_with_block_comments.temp"
```

24

```
31    echo "$3" > "$2$LFBFL_temp"
32    cat "$1" >> "$2$LFBFL_temp"
33    echo "$4" >> "$2$LFBFL_temp"
34    overwrite_if_not_equal "$2" "$2$LFBFL_temp"
35  }
36
37  generate_from_template_with_line_comments(){
38    # $1=base_file_name
39    # $2=target_file_name
40    # $3=line_comment_prefix
41    # $4=optional_post_processing
42    LFBFL_temp=".generate_from_template_with_line_comments.temp"
43    sed -e "s/^/$3/g" "$1" > "$2$LFBFL_temp"
44    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

```
1   #!/usr/bin/env bash
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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 Frédéric Bernard François Lyaudet
24
25  get_common_text_paths_glob_patterns(){
```

25

```
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
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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
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 "./$subdir/comparisons.sh"
27  source "./$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=(\
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:
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,
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9   or (at your option) any later version.
10
11  @repository_name@ is distributed in the hope
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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  """
```

2.14 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:
4   # you can redistribute it and/or modify it under the terms
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
11  # that it will be useful,
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@
```

2.15 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
11  % that it will be useful,
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@
```

2.16 build_and_checks_dependencies/licenses_templates/license_file_header_GPLv3+.tpl

```
1   This file is part of @repository_name@ library.
2
3   @repository_name@ is free software:
4   you can redistribute it and/or modify it under the terms
```

2.17 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.c

2.18 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.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 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
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 @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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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,
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10
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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 Frédéric Bernard François Lyaudet
24  """
```

2.20 build_and_checks_dependencies/licenses_templates/license_file_header_LGPLv3+.py.tpl

```
1   """
2   This file is part of @repository_name@ library.
3
4   @repository_name@ 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  @repository_name@ is distributed in the hope
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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 @repository_name@.
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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6   # as published by the Free Software Foundation,
7   # either version 3 of the License,
8   # or (at your option) any later version.
9   #
```

```
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14  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
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16  #
17  # You should have received a copy of
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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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8   # or (at your option) any later version.
9   #
10  # @repository_name@ is distributed in the hope
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14  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
15  # See the GNU Lesser General Public License for more details.
16  #
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19  # along with @repository_name@.
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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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5   % of the GNU Lesser General Public License
```

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

```
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8   or (at your option) any later version.
9
10  @repository_name@ is distributed in the hope
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15  See the GNU Lesser General Public License for more details.
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21
22  ©Copyright @copyright_string@
```

2.26   build_and_checks_dependencies/lines_counts.sh

```
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18  # You should have received a copy of
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```

```
20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent 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  }
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

```
1   #!/usr/bin/env bash
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9   # or (at your option) any later version.
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15  # MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
16  # See the GNU Lesser General Public License for more details.
17  #
18  # You should have received a copy of
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20  # along with DevOrSysAdminScripts.
21  # If not, see <https://www.gnu.org/licenses/>.
22  #
23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  # The goal of ths file is to have some common line filters
26  # for bash processing and pipes.
27  # As is the case for other .sh files in this repository,
28  # it can be copied somewhere in your home directory
29  # and sourced in your .bashrc.
30
31  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)$"
196   }
197
198   not_archive_grep(){
199      grep -vE "^[^:]*(\.gz|\.rar|\.tar|\.tgz|\.whl):"
200   }
201
202   not_license_find(){
203      grep -vE "(^|/)COPYING$" | grep -vE "(^|/)COPYING\.LESSER$"
204   }
205
206   not_license_grep(){
207      grep -v "^[^:]*COPYING:" | grep -v "^[^:]*COPYING\.LESSER:"
208   }
209
210   not_main_tex_find(){
211      grep -vE "(^|/)$repository_name\.tex$"
212   }
213
214   not_main_tex_grep(){
215      grep -v "^[^:]*$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   }
```

44

2.28 build_and_checks_dependencies/overwrite_if_not_equal.sh

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overwrite_if_not_equal(){
  # $1=$target_file_name
  # $2=$temp_file_name
  if [[ ! -f "$1" ]]; then
    mv "$2" "$1"
    return
  fi
  diff -q "$1" "$2"
  overwrite_if_not_equal_var_is_equal=$?
  if [[ $overwrite_if_not_equal_var_is_equal == 0 ]]; then
    rm "$2"
  else
    mv "$2" "$1"
  fi
}
```

2.29 build_and_checks_dependencies/python_black_complement.sh

```
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```

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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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22  #
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24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/lines_filters.sh"
27  source "./$subdir/overwrite_if_not_equal.sh"
28
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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23  # ©Copyright 2023-2024 Laurent Frédéric Bernard François Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
27
28  too_long_code_lines(){
29    get_common_text_files_glob_patterns
30    for LFBFL_pattern in "${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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cp ./common_build_and_checks.sh.tpl ./common_build_and_checks.sh

file_names=(\
  "build_md_from_printable_md.sh"\
  "check_shell_scripts_beginnings.sh"\
  "check_URLs.sh"\
  "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"\
  "licenses_templates/license_file_header_GPLv3+.tpl"\
  "licenses_templates/license_file_header_LGPLv3+.tpl"\
  "lines_counts.sh"\
  "lines_filters.sh"\
  "overwrite_if_not_equal.sh"\
  "python_black_complement.sh"\
  "python_isort_complement.sh"\
  "too_long_code_lines.sh"\
)

for file_name in "${file_names[@]}"; do
  file_sha512=$(sha512sum "./$file_name" | cut -f1 -d' ')
  file_sha512_1="correct_sha512='${file_sha512:0:53}'"
  file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
  file_sha512_3="correct_sha512\+='${file_sha512:105}'"
  file_sha512_all="$file_sha512_1\n"
  file_sha512_all+="$file_sha512_2\n"
  file_sha512_all+="$file_sha512_3"
  base_file_name=$(basename "$file_name")
  sed -i "s|@sha512_$base_file_name@|$file_sha512_all|g"\
      ./common_build_and_checks.sh
done

cp ./build_and_checks.sh.tpl ../build_and_checks.sh
```

```
61
62  file_sha512=$(sha512sum common_build_and_checks.sh | cut -f1 -d' ')
63  file_sha512_1="correct_sha512='${file_sha512:0:53}'"
64  file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
65  file_sha512_3="correct_sha512\+='${file_sha512:105}'"
66  file_sha512_all="$file_sha512_1\n"
67  file_sha512_all+="$file_sha512_2\n"
68  file_sha512_all+="$file_sha512_3"
69  sed -i "s|@sha512_common_build_and_checks.sh@|$file_sha512_all|g"\
70      ../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  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="$URL_beginning/common_build_and_checks.sh"
35  correct_sha512='40fbdbf01b23482fe8fdf2cbf54c0b6d426955d981603692e3667'
36  correct_sha512+='280dd966ca9b901c98a3b74ec4487b8565fcc3bd89d6de3f5127'
37  correct_sha512+='3fb59980bd7be404c563086'
38  wget_sha512 "./$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"
```

2.34   git_checks.sh

```
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24
25  check_files(){
26    check_files_var_send_summary_1="ATTENTION : models modifiés"
27    check_files_var_send_body_1="Vérifiez si besoin de migrations"
28    check_files_var_send_body_2=\
```

51

```
29  "Pensez aussi aux contraintes d'unicités"
30    check_files_var_send_body_2+=" dès la création du modèle"
31    check_files_var_send_summary_2="ATTENTION : serializers modifiés"
32    check_files_var_send_body_3=\
33  "Les nouveaux preloadings sont interdits -> #Prefetch()"
34    if git diff --cached --name-only | grep models;
35    then
36      notify-send "$check_files_var_send_summary_1"\
37        "$check_files_var_send_body_1"
38      notify-send "$check_files_var_send_summary_1"\
39        "$check_files_var_send_body_2"
40    fi
41    if git diff --cached --name-only | grep serializer;
42    then
43      notify-send "$check_files_var_send_summary_2"\
44        "$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

```
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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"\
```

53

```
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

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

```latex
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}
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/%
```

56

```
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
```

57

```
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  }
424
425  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
426    build_and_checks_dependencies/licenses_templates/%
427  license_file_header_LGPLv3+.tex.tpl
428  }
429
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  }
439
440  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
441    build_and_checks_dependencies/licenses_templates/%
442  license_file_header_LGPLv3+.tpl
443  }
444
445
446  \subsection{
```

```
447    build\_and\_checks\_dependencies/lines\_counts.sh
448  }
449  \label{
450    build_and_checks_dependencies:lines_countssh
451  }
452
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
```

64

```
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  }
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
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:
 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   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 !