DevOrSysAdminScripts

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Abstract

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

Current version : 2024-05-05

1 Files tree

```
.
├── build_and_checks_dependencies
│   ├── build_and_checks.sh.tpl
│   ├── build_readme.sh
│   ├── check_shell_scripts_beginning.sh
│   ├── check_URLs.sh
│   ├── common_build_and_checks.sh
│   ├── common_build_and_checks.sh.tpl
│   ├── create_PDF.sh
│   ├── get_common_text_glob_patterns.sh
│   ├── python_black_complement.sh
│   ├── too_long_code_lines.sh
│   └── update_common_build_and_checks.sh
├── build_and_checks.sh
├── COPYING
├── COPYING.LESSER
├── git_checks.sh
├── latex
│   └── DevOrSysAdminScripts.tex.tpl
├── LiensUtiles.txt
├── pre-commit
├── README_printable.md
└── wget_sha512.sh

3 directories, 20 files
```

```
[4.0K May  5 02:42]  ./
├── [4.0K May  5 02:42]  build_and_checks_dependencies/
│   ├── [1.4K May  4 02:33]  build_and_checks.sh.tpl*
│   ├── [1.4K May  4 02:24]  build_readme.sh*
│   ├── [1.0K May  4 02:24]  check_shell_scripts_beginning.sh
│   ├── [1.7K May  5 02:38]  check_URLs.sh
│   ├── [4.1K May  5 02:42]  common_build_and_checks.sh*
│   ├── [3.1K May  5 02:36]  common_build_and_checks.sh.tpl
│   ├── [3.8K May  5 02:42]  create_PDF.sh*
│   ├── [1.2K May  5 00:53]  get_common_text_glob_patterns.sh
│   ├── [1.3K May  4 02:24]  python_black_complement.sh
│   ├── [1.1K May  5 01:24]  too_long_code_lines.sh
│   └── [2.0K May  4 19:46]  update_common_build_and_checks.sh*
├── [1.5K May  5 02:42]  build_and_checks.sh*
├── [ 34K May  4 02:24]  COPYING
├── [7.5K May  3 21:45]  COPYING.LESSER
├── [2.2K May  4 02:24]  git_checks.sh
├── [4.0K May  5 02:42]  latex/
│   └── [6.0K May  5 01:06]  DevOrSysAdminScripts.tex.tpl
├── [ 424 May  3 21:45]  LiensUtiles.txt
├── [1.0K May  1 13:27]  pre-commit
├── [1.6K May  4 18:50]  README_printable.md
└── [1.1K May  4 02:52]  wget_sha512.sh

3 directories, 20 files
```

2   Listing of files

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

2.1   build_and_checks_dependencies/too_long_code_lines.sh

```
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10 #
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```

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20   # along with DevOrSysAdminScripts.
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22   #
23   # ©Copyright 2023-2024 Laurent Lyaudet
24
25   subdir="build_and_checks_dependencies"
26   source "./$subdir/get_common_text_glob_patterns.sh"
27
28   too_long_code_lines(){
29     get_common_text_glob_patterns
30     for pattern in "${common_patterns[@]}"; do
31       [ "$1" != "-v" ] || echo "Iterating on pattern: $pattern"
32       grep -r -H '.\{71\}' -- $pattern
33     done
34   }
```

2.2   build_and_checks_dependencies/create_PDF.sh

```
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```

```
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22  #
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25  current_path=$(pwd)
26  main_directory=$(basename $current_path)

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

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

39  tree --gitignore\
40    -I "$main_directory.aux"\
41    -I "$main_directory.log"\
42    -I "$main_directory.out"\
43    -I "$main_directory.pdf"\
44    -I "$main_directory.tex"\
45    -I "$main_directory.tex.tpl2"\
46    -I current_tree.txt\
47    -I current_tree_light.txt\
48    -I README.md\
49    > current_tree_light.txt

51  tree -DFh --gitignore\
52    -I "$main_directory.aux"\
53    -I "$main_directory.log"\
54    -I "$main_directory.out"\
55    -I "$main_directory.pdf"\
56    -I "$main_directory.tex"\
57    -I "$main_directory.tex.tpl2"\
58    -I current_tree.txt\
59    -I current_tree_light.txt\
60    -I README.md\
61    > current_tree.txt

63  shopt -s dotglob
64  find * -type f | grep -v '.git/' | while read filename; do
65    [ -f "$filename" ] || continue
66    git check-ignore -q "$filename" && continue
```

```
67  base_filename=$(basename "$filename")
68  [ "$base_filename" != "current_tree_light.txt" ] || continue
69  [ "$base_filename" != "current_tree.txt" ] || continue
70  [ "$base_filename" != "COPYING" ] || continue
71  [ "$base_filename" != "COPYING.LESSER" ] || continue
72  [ "$base_filename" != "README.md" ] || continue
73  [ "$base_filename" != "$main_directory.pdf" ] || continue
74  [ "$base_filename" != "$main_directory.tex" ] || continue
75  [ "$base_filename" != "$main_directory.tex.tpl2" ] || continue
76  cleaned_path1=$(sed -e 's/_/\\_/g' <(echo "$filename"))
77  cleaned_path2=$(sed -e 's/\///:/g' -e 's/\.//g' <(echo "$filename"))
78  if grep -q "  $filename\$" "./latex/$main_directory.tex.tpl2"; then
79    echo ""
80    # sed -i -Ez\
81    #   "s/$filename\n/\
82    #   ${filename/./\\./g}\\hyperref\{${filename/./\\./g}\}\n/Mg"\
83    #   "current_tree_light.txt"
84  else
85    echo "The file $filename is not listed"\
86          " in ./latex/$main_directory.tex.tpl"
87    echo "TODO:\subsection{"
88    echo "TODO:  $cleaned_path1"
89    echo "TODO:}"
90    echo "TODO:\label{"
91    echo "TODO:  $cleaned_path2"
92    echo "TODO:}"
93    echo "TODO:"
94    echo "TODO:\VerbatimInput[numbers=left,xleftmargin=-5mm]{"
95    echo "TODO:  $filename"
96    echo "TODO:}"
97    echo "TODO:"
98    echo "TODO:"
99  fi
100 done
101 shopt -u dotglob
102 shopt -s globstar
103
104 sed -i -e '/@current_tree_light@/{r current_tree_light.txt' -e 'd}'\
105   "./latex/$main_directory.tex"
106 sed -i -e '/@current_tree@/{r current_tree.txt' -e 'd}'\
107   "./latex/$main_directory.tex"
108
109 pdflatex "./latex/$main_directory.tex" > /dev/null
110 pdflatex "./latex/$main_directory.tex" > /dev/null
111 pdflatex "./latex/$main_directory.tex" > /dev/null
112
```

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

2.3 build_and_checks_dependencies/get_common_text_glob_patterns.sh

```
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24
25  get_common_text_glob_patterns(){
26    export common_patterns=(\
27      '**/*.c'\
28      '**/*.css'\
29      '**/*.h'\
30      '**/*.htm'\
31      '**/*.html'\
```

```
32    '**/*.js'\
33    '**/*.json'\
34    '**/*.md'\
35    '**/*.php'\
36    '**/*.py'\
37    '**/*.sh'\
38    '**/*.sql'\
39    '**/*.tex'\
40    '**/*.toml'\
41    '**/*.tpl'\
42    '**/*.ts'\
43    '**/*.txt'\
44    '**/*.yml'\
45    '**/COPYING'\
46    '**/COPYING.LESSER'\
47  )
48 }
```

2.4   build_and_checks_dependencies/python_black_complement.sh

```
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24
25 # It was rejected to enhance black with this currently.
26 # And moreover, at some point, I saw the reverse rule
```

7

```
27  # in black or pylint to add an empty line...
28  # This regexp may give false positives,
29  # but that's not the end of the world.
30  check_no_empty_line_after_python_function_docstring(){
31    echo "Checking empty lines after Python function docstrings"
32    pcregrep -M $'def [^"]*"""([^"]|"(?!""))*"""\n\n(?!\s*def)'\
33      -- **/*.py
34  }
35
36  python_black_complement(){
37    check_no_empty_line_after_python_function_docstring
38  }
```

2.5   build_and_checks_dependencies/common_build_and_checks.sh.tpl

```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  source ./wget_sha512.sh
26
27  personal_github="https://raw.githubusercontent.com/LLyaudet/"
28  dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
29  URL_beginning="$personal_github$dependencies"
30
31  subdir="build_and_checks_dependencies"
```

```
32
33  script="$URL_beginning/build_readme.sh"
34  @sha512_build_readme.sh@
35  wget_sha512 "./$subdir/build_readme.sh" "$script" "$correct_sha512"
36  chmod +x "./$subdir/build_readme.sh"
37
38  script="$URL_beginning/check_shell_scripts_beginning.sh"
39  @sha512_check_shell_scripts_beginning.sh@
40  wget_sha512 "./$subdir/check_shell_scripts_beginning.sh" "$script"\
41    "$correct_sha512"
42
43  script="$URL_beginning/check_URLs.sh"
44  @sha512_check_URLs.sh@
45  wget_sha512 "./$subdir/check_URLs.sh" "$script" "$correct_sha512"
46
47  script="$URL_beginning/create_PDF.sh"
48  @sha512_create_PDF.sh@
49  wget_sha512 "./$subdir/create_PDF.sh" "$script" "$correct_sha512"
50  chmod +x "./$subdir/create_PDF.sh"
51
52  script="$URL_beginning/get_common_text_glob_patterns.sh"
53  @sha512_get_common_text_glob_patterns.sh@
54  wget_sha512 "./$subdir/get_common_text_glob_patterns.sh" "$script"\
55    "$correct_sha512"
56
57  script="$URL_beginning/python_black_complement.sh"
58  @sha512_python_black_complement.sh@
59  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
60    "$correct_sha512"
61
62  script="$URL_beginning/too_long_code_lines.sh"
63  @sha512_too_long_code_lines.sh@
64  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
65    "$correct_sha512"
66
67  shopt -s globstar
68  source "./$subdir/check_shell_scripts_beginning.sh"
69  source "./$subdir/check_URLs.sh"
70  source "./$subdir/get_common_text_glob_patterns.sh"
71  source "./$subdir/python_black_complement.sh"
72  source "./$subdir/too_long_code_lines.sh"
73
74  cwd="."
75  if [[ -n "$1" ]];
76  then
77    cwd="$1"
```

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

2.6 build_and_checks_dependencies/build_and_checks.sh.tpl

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

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25  source ./wget_sha512.sh

27  mkdir -p build_and_checks_dependencies
28  subdir="build_and_checks_dependencies"

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

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"

40  cwd="."
41  if [[ -n "$1" ]];
42  then
43    cwd="$1"
44  fi

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

2.7   build_and_checks_dependencies/common_build_and_checks.sh

```
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```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  source ./wget_sha512.sh
26
27  personal_github="https://raw.githubusercontent.com/LLyaudet/"
28  dependencies="DevOrSysAdminScripts/main/build_and_checks_dependencies"
29  URL_beginning="$personal_github$dependencies"
30
31  subdir="build_and_checks_dependencies"
32
33  script="$URL_beginning/build_readme.sh"
34  correct_sha512='a60224c89e6dd94360057bba41ba30b83b4b84c11679a779e3f46'
35  correct_sha512+='f4187fe5ae65b970c1cc5e5ce15bd39f0fe8c589abd153d4c57a'
36  correct_sha512+='3277c209303d0de9926b234'
37  wget_sha512 "./$subdir/build_readme.sh" "$script" "$correct_sha512"
38  chmod +x "./$subdir/build_readme.sh"
39
40  script="$URL_beginning/check_shell_scripts_beginning.sh"
41  correct_sha512='faf7fe1c59b177d0f74afee6e8fb94e14bf7041b74a36afc41d6d'
42  correct_sha512+='e71b6325af1d42f5c816024d311751d6e40c197c52ac97188c9c'
43  correct_sha512+='e75ea4937b966d2b0ff4ac7'
44  wget_sha512 "./$subdir/check_shell_scripts_beginning.sh" "$script"\
45    "$correct_sha512"
46
47  script="$URL_beginning/check_URLs.sh"
48  correct_sha512='bc790a05ce8e6b9241c3c32a0d6f2efb7c96447cf1fd095301ab4'
49  correct_sha512+='6ed20f739a071d8a8c0a88bcaf189bdcbc9f3ad05d5b5e888805'
50  correct_sha512+='ed0bf0333b229f49e62a613'
51  wget_sha512 "./$subdir/check_URLs.sh" "$script" "$correct_sha512"
52
53  script="$URL_beginning/create_PDF.sh"
```

12

```
54  correct_sha512='ccee9fd58a5fc4909fac3ebed96b915eb0dd98db7a2af85bfa651'
55  correct_sha512+='cfd412088bf49380fed466b6412355170a733b1b854416e6b686'
56  correct_sha512+='7dfac969b764de137836f5a'
57  wget_sha512 "./$subdir/create_PDF.sh" "$script" "$correct_sha512"
58  chmod +x "./$subdir/create_PDF.sh"
59
60  script="$URL_beginning/get_common_text_glob_patterns.sh"
61  correct_sha512='01ebe343563e729f4db880c4ce4bfb2a6c10c8daa4cfde80ee535'
62  correct_sha512+='1a81f29f99c54cc6ebad003855e86cc4436a4591a5050ef79fdf'
63  correct_sha512+='93abe52268d4421748e5b27'
64  wget_sha512 "./$subdir/get_common_text_glob_patterns.sh" "$script"\
65    "$correct_sha512"
66
67  script="$URL_beginning/python_black_complement.sh"
68  correct_sha512='909ab2453a3448b45e92c60df216d86578528d5151bc8c5efb50b'
69  correct_sha512+='c8c4007d4c34adc7b2d583f3f5d9629cf37f163c813aebc3dec2'
70  correct_sha512+='ce6370fcf1bdbea5820ab13'
71  wget_sha512 "./$subdir/python_black_complement.sh" "$script"\
72    "$correct_sha512"
73
74  script="$URL_beginning/too_long_code_lines.sh"
75  correct_sha512='94e209899adc7a8a165e08590a294fc29b8006900cb7eafc9bf95'
76  correct_sha512+='6ac9e2f659c6dccf1a55ffb4af1ce08743bf05ff6dc7e5768868'
77  correct_sha512+='78eddfe56243972cecf4352'
78  wget_sha512 "./$subdir/too_long_code_lines.sh" "$script"\
79    "$correct_sha512"
80
81  shopt -s globstar
82  source "./$subdir/check_shell_scripts_beginning.sh"
83  source "./$subdir/check_URLs.sh"
84  source "./$subdir/get_common_text_glob_patterns.sh"
85  source "./$subdir/python_black_complement.sh"
86  source "./$subdir/too_long_code_lines.sh"
87
88  cwd="."
89  if [[ -n "$1" ]];
90  then
91    cwd="$1"
92  fi
93
94  echo "Building README.md"
95  ./build_and_checks_dependencies/build_readme.sh "$cwd"
96
97  pushd .
98  cd "$cwd"
99
```

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

2.8   build_and_checks_dependencies/check_shell_scripts_beginning.sh

```
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17  #
18  # You should have received a copy of
```

```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  check_one_shell_script_beginning(){
26    diff <(head -n 1 "$1") <(echo '#!/usr/bin/env bash')
27  }
28
29
30  check_shell_scripts_beginning(){
31    shopt -s globstar
32    for i in **/*.sh; do
33      check_one_shell_script_beginning "$i"
34    done
35  }
```

2.9 build_and_checks_dependencies/check_URLs.sh

```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  subdir="build_and_checks_dependencies"
26  source "./$subdir/get_common_text_glob_patterns.sh"
```

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

2.10   build_and_checks_dependencies/build_readme.sh

```
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17  #
```

```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  sed_expression='s/(\[[a-zA-Z0-9:-]*\]: [^\n\\]*)\\\n/\1/Mg'
26  sed_expression+=';s/(<http[^\n\\]*)\\\n/\1/Mg'
27  sed_expression+=';s/(- <http[^\n\\]*)\\\n/\1/Mg'
28
29  pushd .
30  if [[ -n "$1" ]];
31  then
32    cd "$1"
33  fi
34
35  if [[ -f README_printable.md ]];
36  then
37    sed -Ez "$sed_expression" README_printable.md > README_temp1.md
38    sed -Ez "$sed_expression" README_temp1.md > README_temp2.md
39    sed -Ez "$sed_expression" README_temp2.md > README_temp3.md
40    sed -Ez "$sed_expression" README_temp3.md > README.md
41    rm README_temp1.md README_temp2.md README_temp3.md
42  else
43    echo "No file README_printable.md"
44  fi
45
46  popd
```

2.11 build_and_checks_dependencies/update_common_build_and_checks.sh

```
1   #!/usr/bin/env bash
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22   #
23   # ©Copyright 2023-2024 Laurent Lyaudet
24
25   cp ./common_build_and_checks.sh.tpl ./common_build_and_checks.sh
26
27   file_names=(\
28     "build_readme.sh"\
29     "check_shell_scripts_beginning.sh"\
30     "check_URLs.sh"\
31     "create_PDF.sh"\
32     "get_common_text_glob_patterns.sh"\
33     "python_black_complement.sh"\
34     "too_long_code_lines.sh"\
35   )
36
37   for file_name in "${file_names[@]}"; do
38     file_sha512=$(sha512sum "./$file_name" | cut -f1 -d' ')
39     file_sha512_1="correct_sha512='${file_sha512:0:53}'"
40     file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
41     file_sha512_3="correct_sha512\+='${file_sha512:105}'"
42     file_sha512_all="$file_sha512_1\n"
43     file_sha512_all+="$file_sha512_2\n"
44     file_sha512_all+="$file_sha512_3"
45     sed -i "s|@sha512_$file_name@|$file_sha512_all|g"\
46         ./common_build_and_checks.sh
47   done
48
49   cp ./build_and_checks.sh.tpl ../build_and_checks.sh
50
51   file_sha512=$(sha512sum common_build_and_checks.sh | cut -f1 -d' ')
52   file_sha512_1="correct_sha512='${file_sha512:0:53}'"
53   file_sha512_2="correct_sha512\+='${file_sha512:53:52}'"
54   file_sha512_3="correct_sha512\+='${file_sha512:105}'"
55   file_sha512_all="$file_sha512_1\n"
56   file_sha512_all+="$file_sha512_2\n"
57   file_sha512_all+="$file_sha512_3"
58   sed -i "s|@sha512_common_build_and_checks.sh@|$file_sha512_all|g"\
59       ../build_and_checks.sh
```

2.12 build_and_checks.sh

```bash
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source ./wget_sha512.sh

mkdir -p build_and_checks_dependencies
subdir="build_and_checks_dependencies"

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

script="$URL_beginning/common_build_and_checks.sh"
correct_sha512='939544fb24512401ad0d0e77da5131e5ee470005d6c8ce68ee167'
correct_sha512+='0cd225c0fa6a82623cce3b854d89b9e23b93b47cd3e4dbddf44d'
correct_sha512+='ed58f907e63f024f2882bc7'
wget_sha512 "./$subdir/common_build_and_checks.sh" "$script"\
  "$correct_sha512"
chmod +x "./$subdir/common_build_and_checks.sh"

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

19

```
45    cwd="$1"
46  fi
47
48  ./build_and_checks_dependencies/common_build_and_checks.sh "$cwd"
```

2.13   git_checks.sh

```
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22  #
23  # ©Copyright 2023-2024 Laurent Lyaudet
24
25  check_files(){
26    send_summary_1="ATTENTION : models modifiés"
27    send_body_1="Vérifiez si besoin de migrations"
28    send_body_2="Pensez aussi aux contraintes d'unicités"
29    send_body_2+=" dès la création du modèle"
30    send_summary_2="ATTENTION : serializers modifiés"
31    send_body_3="Les nouveaux preloadings sont interdits -> #Prefetch()"
32    if git diff --cached --name-only | grep models;
33    then
34      notify-send "$send_summary_1" "$send_body_1"
35      notify-send "$send_summary_1" "$send_body_2"
36    fi
37    if git diff --cached --name-only | grep serializer;
38    then
39      notify-send "$send_summary_2" "$send_body_3"
```

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

2.14   latex/DevOrSysAdminScripts.tex.tpl

```
1  %!/usr/bin/env bash
2  % This file is part of DevOrSysAdminScripts library.
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```latex
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%
% ©Copyright 2023-2024 Laurent Lyaudet

\documentclass{article}

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

% *** les environnements ***
%\theoremstyle{break}
\newtheorem{definition}{Definition}[section]
\newtheorem{proposition}[definition]{Proposition}
\newtheorem{theorem}[definition]{Theorem}
\newtheorem{lemma}[definition]{Lemma}
```

```latex
52  \newtheorem{corollary}[definition]{Corollary}
53  \newtheorem{remark}[definition]{Remark}
54  \newtheorem{openproblem}[definition]{Open problem}
55
56  \begin{document}
57
58  \author{
59    Laurent Lyaudet\\
60    \url{https://lyaudet.eu/laurent/}\\
61    laurent.lyaudet@gmail.com
62  }
63  \title{DevOrSysAdminScripts}
64
65  \maketitle
66  \begin{abstract}
67  Some ``small'' useful scripts
68  for enhancing developpment or system-administrators tasks
69  \end{abstract}
70
71  Current version : @current_date@
72
73  \section{Files tree}
74  \label{section:tree}
75
76  \begin{verbatim}
77  @current_tree_light@
78  \end{verbatim}
79
80  \begin{verbatim}
81  @current_tree@
82  \end{verbatim}
83
84  \section{Listing of files}
85  \label{section:listing}
86
87  The following source code is covered by LGPLv3+.
88  The text of the license is available at:
89  \url{https://www.gnu.org/licenses/}.
90  The git repository of this source code is also available at:
91  \url{https://github.com/LLyaudet/DevOrSysAdminScripts/}.
92
93
94  \subsection{
95    build\_and\_checks\_dependencies/too\_long\_code\_lines.sh
96  }
97  \label{
```

```
 98     build_and_checks_dependencies:too_long_code_linessh
 99   }
100
101   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
102     build_and_checks_dependencies/too_long_code_lines.sh
103   }
104
105
106   \subsection{
107     build\_and\_checks\_dependencies/create\_PDF.sh
108   }
109   \label{
110     build_and_checks_dependencies:create_PDFsh
111   }
112
113   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
114     build_and_checks_dependencies/create_PDF.sh
115   }
116
117
118   \subsection{
119     build\_and\_checks\_dependencies/get\_common\_text\_glob\_patterns%
120   .sh
121   }
122   \label{
123     build_and_checks_dependencies:get_common_text_glob_patternssh
124   }
125
126   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
127     build_and_checks_dependencies/get_common_text_glob_patterns.sh
128   }
129
130
131   \subsection{
132     build\_and\_checks\_dependencies/python\_black\_complement.sh
133   }
134   \label{
135     build_and_checks_dependencies:python_black_complementsh
136   }
137
138   \VerbatimInput[numbers=left,xleftmargin=-5mm]{
139     build_and_checks_dependencies/python_black_complement.sh
140   }
141
142
143   \subsection{
```

```
144    build\_and\_checks\_dependencies/common\_build\_and\_checks.sh.tpl
145  }
146  \label{
147    build_and_checks_dependencies:common_build_and_checksshtpl
148  }

149
150  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
151    build_and_checks_dependencies/common_build_and_checks.sh.tpl
152  }

153

154
155  \subsection{
156    build\_and\_checks\_dependencies/build\_and\_checks.sh.tpl
157  }
158  \label{
159    build_and_checks_dependencies:build_and_checksshtpl
160  }

161
162  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
163    build_and_checks_dependencies/build_and_checks.sh.tpl
164  }

165

166
167  \subsection{
168    build\_and\_checks\_dependencies/common\_build\_and\_checks.sh
169  }
170  \label{
171    build_and_checks_dependencies:common_build_and_checkssh
172  }

173
174  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
175    build_and_checks_dependencies/common_build_and_checks.sh
176  }

177

178
179  \subsection{
180    build\_and\_checks\_dependencies/check\_shell\_scripts\_beginning.sh
181  }
182  \label{
183    build_and_checks_dependencies:check_shell_scripts_beginningsh
184  }

185
186  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
187    build_and_checks_dependencies/check_shell_scripts_beginning.sh
188  }

189
```

```
190
191  \subsection{
192    build\_and\_checks\_dependencies/check\_URLs.sh
193  }
194  \label{
195    build_and_checks_dependencies:check_URLssh
196  }
197
198  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
199    build_and_checks_dependencies/check_URLs.sh
200  }
201
202
203  \subsection{
204    build\_and\_checks\_dependencies/build\_readme.sh
205  }
206  \label{
207    build_and_checks_dependencies:build_readmesh
208  }
209
210  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
211    build_and_checks_dependencies/build_readme.sh
212  }
213
214
215  \subsection{
216    build\_and\_checks\_dependencies/update\_common\_build\_and\_checks%
217  .sh
218  }
219  \label{
220    build_and_checks_dependencies:update_common_build_and_checkssh
221  }
222
223  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
224    build_and_checks_dependencies/update_common_build_and_checks.sh
225  }
226
227
228  \subsection{
229    build\_and\_checks.sh
230  }
231  \label{
232    build_and_checkssh
233  }
234
235  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
```

```
236    build_and_checks.sh
237  }
238
239
240  \subsection{
241    git\_checks.sh
242  }
243  \label{
244    git_checkssh
245  }
246
247  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
248    git_checks.sh
249  }
250
251
252  \subsection{
253    latex/DevOrSysAdminScripts.tex.tpl
254  }
255  \label{
256    latex:DevOrSysAdminScriptstextpl
257  }
258
259  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
260    latex/DevOrSysAdminScripts.tex.tpl
261  }
262
263
264  \subsection{
265    LiensUtiles.txt
266  }
267  \label{
268    LiensUtilestxt
269  }
270
271  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
272    LiensUtiles.txt
273  }
274
275
276  \subsection{
277    pre-commit
278  }
279  \label{
280    pre-commit
281  }
```

```
282
283  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
284    pre-commit
285  }
286

287
288  \subsection{
289    README\_printable.md
290  }
291  \label{
292    README_printablemd
293  }
294
295  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
296    README_printable.md
297  }
298

299
300  \subsection{
301    wget\_sha512.sh
302  }
303  \label{
304    wget_sha512sh
305  }
306
307  \VerbatimInput[numbers=left,xleftmargin=-5mm]{
308    wget_sha512.sh
309  }
310

311
312  Merci Dieu ! Merci P\`ere ! Merci Seigneur ! Merci Saint Esprit !
313
314  \end{document}
```

2.15   LiensUtiles.txt

```
1  https://support.google.com/a/answer/9476255?hl=fr#zippy=%2C%C3%A9tape\
2  -configurez-le-service-de-migration-de-donn%C3%A9es
3  https://stackoverflow.com/a/78413334/5796086
4  https://stackoverflow.com/questions/21612980/\
5  why-is-usr-bin-env-bash-superior-to-bin-bash/78413334
6  https://web.archive.org/web/20240501105801/https://stackoverflow.com\
7  /questions/21612980/why-is-usr-bin-env-bash-superior-to-bin-bash/\
8  78413334#78413334
```

2.16 pre-commit

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. ../git_checks.sh

git_hook_error=0
if ! check_files
then
  git_hook_error=1
fi
if ! check_no_abusive_trailing_comma
then
  git_hook_error=1
fi
if ! check_black_code_formatting
then
  git_hook_error=1
fi
if [ $git_hook_error -eq '1' ];
then
  exit 1
fi
exit 0
```

2.17   README_printable.md

```
1   # DevOrSysAdminScripts
2
3   [![CodeFactor-badge]][CodeFactor-package-page]
4   [![CodeClimateMaintainability-badge]][CodeClimateM13y-package-page]
5   [![Codacy-badge]][Codacy-package-page]
6   ![GitHub-top-language-badge]
7   ![GitHub-license-badge]
8   ![GitHub-code-size-in-bytes-badge]
9
10  |                    **Some "small" useful scripts**               |
11  |:---------------------------------------------------------------:|
12  | **for enhancing developpment or system-administrators tasks** |
13
14  Currently, the biggest part of this repository is in
15  a suite of shell scripts about build and checks that
16  I use in some of my other repositories.
17
18
19  [CodeFactor-badge]: https://www.codefactor.io/repository/github/\
20  llyaudet/DevOrSysAdminScripts/badge
21
22  [CodeFactor-package-page]: https://www.codefactor.io/repository/\
23  github/llyaudet/DevOrSysAdminScripts
24
25  [CodeClimateMaintainability-badge]: https://api.codeclimate.com/v1/\
26  badges/b619ce83a81cc4a55e18/maintainability
27
28  [CodeClimateM13y-package-page]: https://codeclimate.com/\
29  github/LLyaudet/DevOrSysAdminScripts/maintainability
30
31  [Codacy-badge]: https://app.codacy.com/project/badge/Grade/\
32  3dd6ef85e8db4460991d1ebc404b68dd
33
34  [Codacy-package-page]: https://app.codacy.com/gh/LLyaudet/\
35  DevOrSysAdminScripts/dashboard?utm_source=gh&utm_medium=referral\
36  &utm_content=&utm_campaign=Badge_grade
37
38  [GitHub-top-language-badge]: https://img.shields.io/github/\
39  languages/top/llyaudet/DevOrSysAdminScripts
40
41  [GitHub-license-badge]: https://img.shields.io/github/license/\
42  llyaudet/DevOrSysAdminScripts
43
44  [GitHub-code-size-in-bytes-badge]: https://img.shields.io/github/\
```

2.18 wget_sha512.sh

```bash
#!/usr/bin/env bash
# This file is part of DevOrSysAdminScripts library.
#
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#
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wget_sha512(){
  # $1 filename
  # $2 download_URL
  # $3 correct_sha512
  if [[ ! -f "$1" ]];
  then
    wget -O "$1" "$2"
  fi
  present_sha512=$(sha512sum "$1" | cut -f1 -d' ')
  if [[ "$present_sha512" != "$3" ]];
  then
    echo "$1 does not have correct sha512"
    echo "wanted $3"
    echo "found $present_sha512"
    exit
  fi
}
```

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