

```
1 #!/bin/bash
2 # shellcheck source=kzcommon.sh
3 #-----#
4 # Beeldbestanden downloaden. #
5 # #
6 # Geschreven door Karel Zimmer <info@karelzimmer.nl>. #
7 # #
8 # Auteursrecht (c) 2014-2020 Karel Zimmer. #
9 # GNU Algemene Publieke Licentie <https://www.gnu.org/licenses/gpl.html>. #
10 # #
11 # RelNum=16.00.25 #
12 # RelDat=2020-12-02 #
13 #-----#
14
15 #-----#
16 # Global constants #
17 #-----#
18 source "${dirname "$0"}/kzcommon.sh
19 readonly SEARCH_FOR=SHA256SUMS
20 readonly SOURCE_1=http://releases.ubuntu.com
21 readonly SOURCE_2=http://cdimage.ubuntu.com
22 readonly TARGET=$HOME/Downloads
23
24 # Bij aanpassingen ook .completion aanpassen!
25 readonly OPTIONS_SHORT=$OPTIONS_SHORT_COMMON'c'
26 readonly OPTIONS_LONG=$OPTIONS_LONG_COMMON',checksums'
27 readonly USAGE="Gebruik: $PROGRAMME [-c|--checksums] $OPTIONS_USAGE_COMMON
28
29 $OPTIONS_LONG_SHORT"
30 readonly HELP="Gebruik: $PROGRAMME [OPTIE...]"
31
32 Beeldbestanden downloaden.
33
34 Opties:
35     $OPTIONS_LONG_SHORT
36
37     -c --checksums      Download alleen de controlebestanden
38 $OPTIONS_HELP_COMMON"
39
40 #-----#
41 # Global variables #
42 #-----#
43 declare FULL_VS=''
44 declare OPTION_CHECKSUMS=false
45
46 #-----#
47 # Functions #
48 #-----#
49 check_input() {
50     local -i getopt_rc=0
51     local parsed=''
52
53     parsed=$(
54         getopt --alternative \
55             --options "$OPTIONS_SHORT" \
56             --longoptions "$OPTIONS_LONG" \
57             --name "$PROGRAMME" \
58             -- "$@"
59     ) || getopt_rc=$?
60     if [[ $getopt_rc -ne 0 ]]; then
61         printf '%s\n' "$USAGELINE" >&2
62         QUIET=true exit $ERROR
63     fi
64     eval set -- "$parsed"
65     process_general_options "$@"
66 }
```

```
67     while true; do
68         case $1 in
69             -c|--checksums)
70                 OPTION_CHECKSUMS=true
71                 shift
72                 ;;
73             --)
74                 shift
75                 break
76                 ;;
77             *)
78                 shift
79                 ;;
80         esac
81     done
82
83     if [[ "$*" ]]; then
84         printf "$PROGNAME: %s\n%s\n" 'geen argumenten opgeven' "$USAGELINE" >&2
85         QUIET=true exit $ERROR
86     fi
87
88     # Een non-gui script gestart met optie gui.
89     if $OPTION_GUI; then
90         OPTION_GUI=false
91         TERMINAL=true
92     fi
93
94     check_user
95 }
96
97 process_input() {
98     FULL_VS=$(lsb_release --description --short | awk '{print $2}')
99     read -rp "Wat is de Ubuntu-versie? [$FULL_VS]: " < /dev/tty
100    if [[ $REPLY ]]; then
101        FULL_VS="$REPLY"
102    fi
103
104    if $OPTION_CHECKSUMS; then
105        download_checksums
106        info "Controlebestanden zijn gedownload en staan in $TARGET."
107        QUIET=true exit $SUCCESS
108    fi
109
110    download_isos
111    download_checksums
112 }
113
114 download_isos() {
115     cd "$TARGET"
116     rm --force {u,xu,lu}buntu-*.iso*
117
118     URL_LIST="\
119 $SOURCE_1/$FULL_VS/ubuntu-$FULL_VS-desktop-amd64.iso
120 $SOURCE_1/$FULL_VS/ubuntu-$FULL_VS-live-server-amd64.iso
121 $SOURCE_2/lubuntu/releases/$FULL_VS/release/lubuntu-$FULL_VS-desktop-amd64.iso
122 $SOURCE_2/xubuntu/releases/$FULL_VS/release/xubuntu-$FULL_VS-desktop-amd64.iso"
123
124     # max-args=1 zorgt ervoor dat per invoerregel 1 opdracht wordt gestart.
125     # max-procs=4 zorgt ervoor dat maximaal 4 parallele taken worden gestart.
126     printf '%s\n' \
127         "$URL_LIST" |
128     xargs --max-args=1 \
129         --max-procs=4 \
130         wget
131 }
132
```

```
133 download_checksums() {
134     cd "$TARGET"
135     rm --force {u,xu,lu}buntu-*-SHA256SUMS
136
137     wget --no-verbose \
138         --output-document=ubuntu-$SEARCH_FOR \
139         $SOURCE_1/"$FULL_VS"/$SEARCH_FOR
140     wget --no-verbose \
141         --output-document=xubuntu-$SEARCH_FOR \
142         $SOURCE_2/xubuntu/releases/"$FULL_VS"/release/$SEARCH_FOR
143     wget --no-verbose \
144         --output-document=lubuntu-$SEARCH_FOR \
145         $SOURCE_2/lubuntu/releases/"$FULL_VS"/release/$SEARCH_FOR
146 }
147
148 term_script() {
149     info "Om de $SEARCH_FOR-controlebestanden op te splitsen voer uit:
150     ${BLUE}kzspsum${NORMAL}"
151     QUIET=true exit $SUCCESS
152 }
153
154
155 #-----#
156 # Main line #
157 #-----#
158 main() {
159     init_script
160     check_input "$@"
161     process_input
162     term_script
163 }
164
165 main "$@"
166
167 # EOF
```