

```
1: #!/bin/bash
2: # shellcheck source=kz-common.sh
3: #####
4: # Beeldbestanden downloaden.
5: #
6: # Geschreven door Karel Zimmer <info@karelzimmer.nl>.
7: #####
8: PROGRAM_PATH=$(realpath "$(dirname "$0")")
9: source "$PROGRAM_PATH"/kz-common.sh
10: PROGRAM_NAME=kz-dliso
11: DISPLAY_NAME=${PROGRAM_NAME/kz-/kz }
12: RELEASE_YEAR=2014
13:
14: VERSION_NUMBER=17.00.08
15: VERSION_DATE=2021-10-15
16:
17:
18:
19: #####
20: # Global constants
21: #####
22:
23: readonly RUN_AS_SUPERUSER=false
24: readonly OPTIONS_SHORT=$OPTIONS_SHORT_COMMON' c'
25: readonly OPTIONS_LONG=$OPTIONS_LONG_COMMON', checksums'
26: readonly USAGE="Gebruik: $DISPLAY_NAME [-c|--checksums]
27:             $OPTIONS_USAGE_COMMON"
28: readonly HELP="Gebruik: $DISPLAY_NAME [OPTIE...]"
29:
30: Beeldbestanden downloaden.
31:
32: Opties:
33:   -c --checksums
34:           download alleen de controlebestanden
35: $OPTIONS_HELP_COMMON"
36:
37: readonly SEARCH_FOR=SHA256SUMS
38: readonly SOURCE_1=http://releases.ubuntu.com
39: readonly SOURCE_2=http://cdimage.ubuntu.com
40: readonly TARGET=$HOME/Downloads
41:
42:
43: #####
44: # Global variables
45: #####
46:
47: declare FULL_VS=''
48: declare OPTION_CHECKSUMS=false
49:
50:
51: #####
52: # Functions
53: #####
54:
55: check_input() {
56:     local -i getopt_rc=0
57:     local     parsed=''
58:
59:     parsed=$(
60:         getopt --alternative           \
61:                --options              "$OPTIONS_SHORT"      \
62:                --longoptions         "$OPTIONS_LONG"        \
63:                --name                 "$DISPLAY_NAME"       \
64:                --                     "$@"                  \
65:     ) || getopt_rc=$?
66:     if [[ $getopt_rc -ne $SUCCESS ]]; then
67:         printf '%s\n' "$USAGELINE" >&2
68:         exit $ERROR
```

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69: fi
70: eval set -- "$parsed"
71: process_common_options "$@"
72:
73: while true; do
74:     case $1 in
75:         -c|--checksums)
76:             OPTION_CHECKSUMS=true
77:             shift
78:             ;;
79:         --)
80:             shift
81:             break
82:             ;;
83:         *)
84:             shift
85:             ;;
86:     esac
87: done
88:
89: if [[ "$*" ]]; then
90:     TEXT='geen argumenten opgeven'
91:     printf "$DISPLAY_NAME: %s\n%s\n" "$TEXT" "$USAGELINE" >&2
92:     exit $ERROR
93: fi
94:
95: # Een non-gui script gestart met optie gui.
96: if $OPTION_GUI; then
97:     OPTION_GUI=false
98:     DESKTOP_TERMINAL=false
99: fi
100:
101: check_user
102: }
103:
104:
105: process_input() {
106:     FULL_VS="$(lsb_release --description --short | awk '{print $2}')"
107:     read -rp "Wat is de Ubuntu-versie? [${FULL_VS}]: "
108:     if [[ $REPLY ]]; then
109:         FULL_VS="$REPLY"
110:     fi
111:
112:     if $OPTION_CHECKSUMS; then
113:         download_checksums
114:         info "Controlebestanden zijn gedownload en staan in $TARGET."
115:     "
116:     else
117:         download_isos
118:         download_checksums
119:     fi
120: }
121:
122:
123: download_isos() {
124:     cd "$TARGET"
125:     rm --force {u,xu,lu}buntu-*.iso*
126:
127:     URL_LIST="\
128: $SOURCE_1/$FULL_VS/ubuntu-$FULL_VS-desktop-amd64.iso
129: $SOURCE_1/$FULL_VS/ubuntu-$FULL_VS-live-server-amd64.iso
130: $SOURCE_2/lubuntu/releases/$FULL_VS/release/lubuntu-$FULL_VS-desktop-amd64.iso
131: $SOURCE_2/xubuntu/releases/$FULL_VS/release/xubuntu-$FULL_VS-desktop-amd64.iso"
132:
133:     # max-args=1 zorgt ervoor dat per invoerregel 1 opdracht wordt gestart.
134:     # max-procs=4 zorgt ervoor dat maximaal 4 parallele taken worden gestart.
135:     printf '%s\n' "$URL_LIST" | xargs --max-args=1 --max-procs=4 wget
136: }
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137:
138:
139: download_checksums() {
140:     cd "$TARGET" || exit $ERROR
141:     rm --force {u,xu,lu}buntu-*--SHA256SUMS
142:
143:     wget      --output-document=ubuntu-$SEARCH_FOR    \
144:              $SOURCE_1/"$FULL_VS"/$SEARCH_FOR
145:     wget      --output-document=xubuntu-$SEARCH_FOR   \
146:              $SOURCE_2/xubuntu/releases/"$FULL_VS"/release/$SEARCH_FOR
147:     wget      --output-document=lubuntu-$SEARCH_FOR   \
148:              $SOURCE_2/lubuntu/releases/"$FULL_VS"/release/$SEARCH_FOR
149: }
150:
151:
152: term_script() {
153:     info "Om de $SEARCH_FOR-controlebestanden op te splitsen voer uit:
154:     ${BLUE}kzspsum${NORMAL}
155:
156:
157: Om de beeldbestanden (.iso) te controleren voer uit:
158:     ${BLUE}cd $TARGET;$SEARCH_FOR --check --ignore-missing *.$SEARCH_FOR; cd \
159: -${NORMAL}"
160:
161:     exit $SUCCESS
162: }
163:
164:
165: #####
166: # Main line
167: #####
168:
169: main() {
170:     init_script "$@"
171:     check_input "$@"
172:     process_input
173:     term_script
174: }
175:
176:
177: main "$@"
178:
179:
180: # EOF
```