

```
1  #!/bin/bash
2  # shellcheck source=common.sh
3  # #####
4  # Bestand:  deploy
5  # Doel:    Distribueer scripts en overige bestanden
6  # Gebruik: In het terminalvenster:
7  #         kzdeploy
8  #         /opt/kzscripts/deploy
9  #         of:
10 #         kzdeploy
11 # Auteur:  Karel Zimmer (https://karelzimmer.nl, info@karelzimmer.nl)
12 # -----
13 # Auteursrecht (c) 2009-2020 Karel Zimmer.
14 #
15 # Dit programma is vrije software: u mag het herdistribueren en/of wijzigen
16 # onder de voorwaarden van de GNU Algemene Publieke Licentie zoals gepubliceerd
17 # door de Free Software Foundation, onder versie 3 van de Licentie of (naar uw
18 # keuze) elke latere versie.
19 #
20 # Dit programma is gedistribueerd in de hoop dat het nuttig zal zijn maar ZONDER
21 # ENIGE GARANTIE; zelfs zonder de impliciete garanties die GEBRUIKELIJK ZIJN IN
22 # DE HANDEL of voor BRUIKBAARHEID VOOR EEN SPECIFIEK DOEL.
23 # Zie de GNU Algemene Publieke Licentie voor meer details.
24 #
25 # U hoort een kopie van de GNU Algemene Publieke Licentie te hebben ontvangen
26 # samen met dit programma. Als dat niet het geval is, zie
27 # http://www.gnu.org/licenses/.
28 # #####
29 readonly REL_NUM=56.17.05
30 readonly REL_DAT=2020-04-05
31 readonly REL_MSG='HELPLINE vervangen door USAGELINE'
32
33 # #####
34 # Instellingen
35 # #####
36 source "$(dirname "$(readlink --canonicalize "$0")")"/common.sh
37
38 # -----
39 # Globale constanten
40 # -----
41 declare -ir TXT_MAXLEN=26
42 readonly THIS_YEAR=$(date +%Y)
43 readonly LAST_YEAR=$((THIS_YEAR - 1))
44 readonly ARCHIVELOG=$HOME/scripts/arch/$THIS_YEAR/ARCHIVELOG
45 readonly ARCHIVELOG_GZ=$ARCHIVELOG.gz
46 readonly CHANGELOG=$HOME/scripts/CHANGELOG
47 readonly CHANGELOG_GZ=$CHANGELOG.gz
48 readonly DEBDIR=$HOME/debs/kzscripts
49 readonly DEBARCHDIR=$HOME/debs.arch/$THIS_YEAR/kzscripts
50 readonly DEVMACH=pc06
51 readonly DIFF=$HOME/.$PROGRAMME.diff
52 readonly LASTRUN=$HOME/.$PROGRAMME.lastrun
53 readonly REPORT=$HOME/.$PROGRAMME.rpt
54 readonly SCRIPTSARCHDIR=$HOME/scripts.arch/$THIS_YEAR
55 readonly SCRIPTSDIR=$HOME/scripts
56 readonly SITEDIR=$HOME/uploads/karelzimmer.nl/httpdocs
57
58 # @public
59 # N.B.
60 # 1. De DEBIAN-benodigde pakket- en overige bestanden staan al in TARGET_DEB.
61 # 2. De BACKGROUND-PROP wordt door dit script gegenereerd in SOURCE_DEB.
62 # Te vullen mappen zijn "relatief" t.o.v. $DEBDIR, eenmaal een .deb gegenereerd
63 # Worden de /opt en /usr gebruikt.
64 readonly -A SOURCE_DEB=(
65     [APPLICATIONS]=' /opt/kzscripts/share/applications'
66     [BACKGROUNDS]=' /opt/kzscripts/share/backgrounds'
67     [BACKGROUND-PROP]=' /opt/kzscripts/share/gnome-background-properties'
68     [BIN]=' /opt/kzscripts/bin'
69     [CONTROL]=' /DEBIAN/control'
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70         [COPYRIGHT]=' /opt/kzscripts/share/doc/kzscripts/copyright'
71         [DOC]=' /opt/kzscripts/share/doc/kzscripts'
72         [MAN]=' /opt/kzscripts/share/man/man7'
73         [PIXMAPS]=' /opt/kzscripts/share/pixmaps'
74         [POLICY-1]=' /opt/kzscripts/share/polkit-1/actions'
75         [POSTRM]=' /DEBIAN/postrm'
76         [README]=' /opt/kzscripts/share/doc/kzscripts/README'
77     )
78     readonly -A TARGET_DEB=(
79         [APPLICATIONS]=' /usr/share/applications'
80         [BACKGROUND-PROP]=' /usr/share/gnome-background-properties'
81         [BIN]=' /usr/bin'
82         [MAN]=' /usr/share/man/man7'
83         [POLICY-1]=' /usr/share/polkit-1/actions'
84     )
85
86     # @public
87     # Te synchroniseren mappen en bestanden zijn relatief t.o.v. $HOME.
88     readonly -A SOURCE_TAR=(
89         [CHECKLISTS]=' Documenten/Checklists'
90         [DEBS]=' debs'
91         [ONTWIKKELSCRIPTS]=' scripts.dev'
92         [SCRIPTS]=' scripts'
93         [SCRIPTSARCHIEF-1]="scripts.arch/$THIS_YEAR"
94         [SCRIPTSARCHIEF-2]="scripts.arch/$LAST_YEAR.tar.xz"
95         [TODO]=' ToDo'
96     )
97     readonly TARGET_TAR=$SITEDIR/data/linux/arch/kzscripts.tar.gz
98
99     # @public
100    readonly -A SOURCE_UPLOADS=(
101        [CHECKLISTS]="$HOME/Documenten/Checklists"
102        [DEBS]="$HOME/debs"
103        [PDFS-1]="$HOME/Documenten"
104        [PDFS-2]="$HOME/Documenten/Checklists"
105        [SCRIPTS]="$SCRIPTSDIR"
106    )
107    readonly -A TARGET_UPLOADS=(
108        [CHECKLISTS]="$SITEDIR/data/linux/documents"
109        [DEBS]="$SITEDIR/data/linux/debs"
110        [PDFS]="$SITEDIR/data/linux/pdfs"
111        [SCRIPTS]="$SITEDIR/data/linux/scripts"
112    )
113
114    # @public
115    readonly SOURCE_UPLOADS_OLD=$HOME/uploads
116    readonly TARGET_UPLOADS_OLD=$HOME/uploads.old
117
118    # @private
119    # Te synchroniseren mappen en bestanden zijn relatief t.o.v. $HOME.
120    readonly -A SOURCE_GOOGLE_DRIVE=(
121        [ADRESSEN]="Documenten/Adressen"
122        [CAH]="Documenten/CaH"
123        [GEBRUIKERSFOTO]="Afbeeldingen/Gebruikersfoto"
124        [SCANS]="Afbeeldingen/Scans"
125        [SLEUTELBOSSEN]="Documenten/Karel/Sleutelbossen"
126    )
127    readonly TARGET_GOOGLE_DRIVE='google-drive://karel.zimmer@gmail.com'
128
129    readonly OPTIONS_SHORT=$OPTIONS_SHORT_COMMON'elpr'
130    readonly OPTIONS_LONG=$OPTIONS_LONG_COMMON',edit,list,password,reset'
131    readonly OPTIONS_TAB_COMPLETION=$OPTIONS_TAB_COMPLETION_COMMON" --edit --list \
132    --password --reset"
133    readonly USAGE="Gebruik: $PROGNAME2 [-e|--edit] [-l|--list] [-p|--password] \
134    [-r|--reset]
135    $OPTIONS_USAGE_FILLER$OPTIONS_USAGE_COMMON
136
137    $OPTIONS_LONG_SHORT"
138    readonly HELP="Gebruik: $PROGNAME2 [OPTIE...]"
```

```
139
140 Distribueer scripts en overige bestanden.
141
142 Opties:
143 $OPTIONS_LONG_SHORT
144
145 -e --edit           Wijzig verschillenbestand
146 -l --list           Toon overzicht wijzigingen
147 -p --password       Vraag om wachtwoord bij uploaden
148 -r --reset          Maak verschillenbestand leeg
149 $OPTIONS_HELP_COMMON"
150
151 # -----
152 # Globale variabelen
153 # -----
154 declare -i CHECKRC=0
155 declare OPTION_EDIT=false
156 declare OPTION_LIST=false
157 declare OPTION_PASSWORD=false
158 declare OPTION_RESET=false
159
160 # #####
161 # Functies
162 # #####
163 controleer_invoer() {
164     local -i getopt_rc=0
165     local parsed=''
166
167     set +o errexit
168     parsed=$(getopt --alternative \
169                 --options "$OPTIONS_SHORT" \
170                 --longoptions "$OPTIONS_LONG" \
171                 --name "$PROGNAME2" \
172                 -- "$@")
173     getopt_rc=$?
174     set -o errexit
175     if [[ $getopt_rc -ne 0 ]]; then
176         printf '%s\n' "$USAGELINE" >&2
177         quiet; exit $ERROR
178     fi
179     eval set -- "$parsed"
180     verwerk_algemene_opties "$@"
181
182     while true; do
183         case $1 in
184             -e|--edit)
185                 OPTION_EDIT=true
186                 shift
187                 ;;
188             -l|--list)
189                 OPTION_LIST=true
190                 shift
191                 ;;
192             -p|--password)
193                 OPTION_PASSWORD=true
194                 shift
195                 ;;
196             -r|--reset)
197                 OPTION_RESET=true
198                 shift
199                 ;;
200             --)
201                 shift
202                 break
203                 ;;
204             *)
205                 shift
206                 ;;
207         esac
```

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208     done
209
210     if [[ "$*" ]]; then
211         printf "$PROGNAME2: %s\n%s\n" 'geen argumenten opgeven' "$USAGELINE" >&2
212         quiet; exit $ERROR
213     fi
214
215     if [[ $HOSTNAME != "$DEVMACH" ]]; then
216         printf "$PROGNAME2: %s\n%s\n" "alleen uitvoeren op $DEVMACH" \
217 "$USAGELINE" >&2
218         quiet; exit $ERROR
219     fi
220
221 # controleer_gebruiker
222 if [[ $UID -eq 0 ]]; then
223     printf "$PROGNAME2: %s\n%s\n" "niet uitvoeren met 'sudo' of als root" \
224 "$USAGELINE" >&2
225     quiet; exit $ERROR
226 fi
227 }
228
229 verwerk_invoer() {
230     wijzig_verschillenbestand $OPTION_EDIT $OPTION_RESET
231
232     if $OPTION_LIST; then
233         toon_lijst
234         quiet; exit $SUCCESS
235     fi
236
237     archiveer_scriptbestanden
238     maak_scriptspakket
239     maak_scriptsarchief
240     synchroniseer_uploads
241     bepaal_wijzigingen
242     synchroniseer_uploads_oud
243     synchroniseer_google_drive
244     toon_wijzigingen
245     controleer_scripts
246     upload_website
247     installeer_scriptspakket
248 }
249
250 toon_lijst() {
251     if [[ -s "$REPORT" ]]; then
252         cat "$REPORT"
253         while true; do
254             read -rp 'Resultaat afdrukken? [j/N] ' </dev/tty
255             case $REPLY in
256                 j*|J*)
257                 lpr "$REPORT" |& $LOGCMD
258                 toon_tekst 'Overzicht is verzonden naar de printer.'
259                 break
260                 ;;
261                 n*|N*|'')
262                 break
263                 ;;
264                 *)
265                 echo -e "${UP_ONE_LINE}${ERASE_LINE}"
266                 continue
267                 ;;
268             esac
269         done
270     else
271         toon_tekst 'Het rapportbestand is leeg.'
272     fi
273 }
274
275 wijzig_verschillenbestand() {
276     local editopt=${1:-false}
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277     local resetopt=${2:-false}
278
279     if $editopt && $resetopt; then
280         printf '%s\n' \
281 "Specificeer optie '--reset' of optie '--edit', niet allebei." >&2
282         quiet; exit $ERROR
283     fi
284
285     if $editopt; then
286         gedit "$DIFF"
287         quiet; exit $SUCCESS
288     fi
289
290     if $resetopt; then
291         truncate --size=0 \
292                 "$DIFF" \
293                 "$REPORT" |& $LOGCMD
294         toon_tekst 'Verschillenbestand is leeggemaakt.'
295     fi
296 }
297
298 archiveer_scriptbestanden() {
299     local archivefile=''
300     local copyright_script=''
301     local file=''
302     local -i num_files=0
303     local release_date_script=''
304     local release_message_script=''
305     local release_number_script=''
306     local size=''
307
308     verwijder_backups
309     verplaats_pdfs
310
311     if [[ ! -d $DEBARCHDIR ]]; then
312         mkdir --parents \
313              "$DEBARCHDIR" |& $LOGCMD
314     fi
315     rsync --archive \
316          "$DEBDIR"/ \
317          "$DEBARCHDIR" |& $LOGCMD
318
319     if [[ ! -d $SCRIPTSARCHDIR ]]; then
320         mkdir --parents \
321              "$SCRIPTSARCHDIR" |& $LOGCMD
322         cp --update \
323            --preserve \
324            "$CHANGELOG_GZ" \
325            "$ARCHIVELOG_GZ" |& $LOGCMD
326     fi
327
328     size=$(
329         du --human-readable \
330            --summarize \
331            "$SCRIPTSDIR" \
332         awk 'END{print $1}'
333     )
334     printf "%-${TXT_MAXLEN}s [%sB] ...\n" 'Archiveer scriptbestanden' "$size"
335
336     if [[ -e $CHANGELOG_GZ ]]; then
337         gunzip "$CHANGELOG_GZ" |& $LOGCMD
338     fi
339
340     # Te verwerken scriptbestanden staan in $HOME/scripts.
341     cd "$SCRIPTSDIR"
342     for file in *; do
343
344         if [[ ! -f $file ]]; then
345             continue

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346     elif [[ -h $file ]]; then
347         continue
348     elif [[ $file == CHANGELOG* ]]; then
349         continue
350     fi
351
352     controleer_archiefmap "$SCRIPTSARCHDIR/$file"
353     verwerk_scriptbestand "$SCRIPTSDIR" \
354         "$file" \
355         archivefile
356
357     if ! diff "$SCRIPTSDIR/$file" "$SCRIPTSARCHDIR/$file/$archivefile" \
358 &> /dev/null; then
359         cp --update \
360           --preserve \
361           "$SCRIPTSDIR/$file" \
362           "$SCRIPTSARCHDIR/$file/$archivefile" |& $LOGCMD
363         chmod 'a-x' \
364           "$SCRIPTSARCHDIR/$file/$archivefile" |& $LOGCMD
365         (( ++num_files ))
366     fi
367 done
368 if [[ $num_files -eq 0 ]]; then
369     toon_tekst "Er zijn geen scriptbestanden gearcheveerd."
370 elif [[ $num_files -eq 1 ]]; then
371     toon_tekst "Er is 1 scriptbestand gearcheveerd."
372 else
373     toon_tekst "Er zijn $num_files scriptbestanden gearcheveerd."
374 fi
375 }
376
377 verwijder_backups() {
378     local dir=''
379
380     for dir in $SOURCE_UPLOADS_OLD; do
381         find "$dir" \
382             -name '*~' -delete -or \
383             -name '*.*~' -delete -or \
384             -name '*.bak' -delete |& $LOGCMD
385     done
386 }
387
388 verplaats_pdfs() {
389     # Vanuit gedit.
390     if ls "${SOURCE_UPLOADS[PDFS-1]}/*.pdf &> /dev/null; then
391         mv "${SOURCE_UPLOADS[PDFS-1]}/*.pdf \
392           "${TARGET_UPLOADS[PDFS]}" |& $LOGCMD
393     fi
394
395     # Vanuit LibreOffice.
396     if ls "${SOURCE_UPLOADS[PDFS-2]}/*.pdf &> /dev/null; then
397         mv "${SOURCE_UPLOADS[PDFS-2]}/*.pdf \
398           "${TARGET_UPLOADS[PDFS]}" |& $LOGCMD
399     fi
400 }
401
402 controleer_archiefmap() {
403     local archivedir=${1:-archivedir?}
404
405     if [[ ! -d $archivedir ]]; then
406         mkdir "$archivedir" |& $LOGCMD
407     fi
408 }
409
410 verwerk_scriptbestand() {
411     local scriptdir=${1:-scriptdir?}
412     local scriptfile=${2:-file?}
413     local _archivefile_variable=${3:-archivefile?}
414     local _archivefile_value=''

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415     local release_date=''
416     local release_number=''
417     local release_message=''
418     local script=false
419
420     release_number=$(
421         awk -FREL_NUM= '/REL_NUM={print $2;exit}' "$scriptdir/$scriptfile"
422     )
423     if [[ -z $release_number ]]; then
424         toon_fouttekst "$scriptfile: geen REL_NUM"
425         quiet; exit $ERROR
426     fi
427     release_date=$(
428         awk -FREL_DAT= '/REL_DAT={print $2;exit}' "$scriptdir/$scriptfile"
429     )
430     if [[ -z $release_date ]]; then
431         toon_fouttekst "$scriptfile: geen REL_DAT"
432         quiet; exit $ERROR
433     fi
434     release_message=$(
435         awk -FREL_MSG= '/REL_MSG={print $2;exit}' "$scriptdir/$scriptfile"
436     )
437     if [[ -z $release_message ]]; then
438         toon_fouttekst "$scriptfile: geen REL_MSG"
439         quiet; exit $ERROR
440     fi
441     echo "$scriptfile $release_number $release_date $release_message" >> \
442     "$CHANGELOG"
443
444     if grep --quiet \
445         --regexp='^#!/bin/bash$' \
446         --regexp='^# Bestand: common.sh$' \
447         "$scriptdir/$scriptfile"; then
448         script=true
449         release_number_script=$release_number
450         release_date_script=$release_date
451         release_message_script=$release_message
452         copyright_script=$(
453             awk '/^# Auteursrecht /{print substr($0,3)}' \
454             "$scriptdir/$scriptfile"
455         )
456     fi
457
458     controleer_velden
459     verwerk_manpagina
460     controleer_tags
461     controleer_eindspaties
462
463     if [[ -z $release_number ]]; then
464         _archivefile_value=$scriptfile
465     else
466         _archivefile_value="$scriptfile_${release_date}V$release_number"
467     fi
468
469     # shellcheck disable=SC2086
470     eval $_archivefile_variable="$_archivefile_value"
471 }
472
473 controleer_velden() {
474     local age=''
475     local filename=''
476     local releaseday=''
477     local today=''
478     local first_part_copyright_script=''
479     local copyright_script_new=''
480
481     if grep --quiet \
482         --regexp='^\.TH ' \
483         "$scriptdir/$scriptfile"; then

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484     filename=$(awk '/# Bestand: /{print $4;exit}' "$scriptdir/$scriptfile")
485     if [[ $filename != "$scriptfile" ]]; then
486         toon_fouttekst "\nIn $scriptfile:
487         '# Bestand: $filename' is ongelijk aan bestandsnaam"
488         quiet; exit $ERROR
489     fi
490 else
491     filename=$(awk '/^# Bestand: /{print $3;exit}' "$scriptdir/$scriptfile")
492     if [[ $filename != "$scriptfile" ]]; then
493         toon_fouttekst "\nIn $scriptfile:
494         '# Bestand: $filename' is ongelijk aan bestandsnaam"
495         quiet; exit $ERROR
496     fi
497 fi
498
499 if ! date --date="$release_date" &> /dev/null; then
500     toon_fouttekst "\nIn $scriptfile:
501     vrijgavedatum $release_date is niet geldig."
502     quiet; exit $ERROR
503 fi
504
505 today=$(date +%Y%m%d)
506 releaseday=$(date +%Y%m%d --date="$release_date")
507 if [[ $releaseday -gt $today ]]; then
508     toon_fouttekst "\nIn $scriptfile:
509     vrijgavedatum $release_date ligt in de toekomst."
510     quiet; exit $ERROR
511 fi
512
513 age=$((today - releaseday))
514 if [[ $age -gt 10000 ]]; then
515     toon_waarschuwingstekst "\nIn $scriptfile:
516     vrijgavedatum $release_date is meer dan een jaar oud."
517 fi
518
519 if $script && [[ $copyright_script != *"$THIS_YEAR"* ]]; then
520     printf "Gelukkig nieuwjaar, %s!\n" "$scriptfile"
521     first_part_copyright_script=${copyright_script:0:21}
522     copyright_script_new=${first_part_copyright_script}-${THIS_YEAR} Karel \
523     Zimmer."
524     sed --in-place \
525         --expression="s/$copyright_script/$copyright_script_new/g" \
526         "$scriptdir/$scriptfile"
527     copyright_script=$copyright_script_new
528 fi
529 }
530
531 verwerk_manpagina() {
532     local copyright_man=""
533     local manpage_changed=false
534
535     if grep --quiet \
536         --regexp='^,TH ' \
537         "$scriptdir/$scriptfile"; then
538         if [[ $release_number != "$release_number_script" ]]; then
539             sed --in-place \
540                 --expression="s/$release_number/$release_number_script/g" \
541                 "$scriptdir/$scriptfile"
542             release_number=$release_number_script
543             manpage_changed=true
544         fi
545         if [[ $release_date != "$release_date_script" ]]; then
546             sed --in-place \
547                 --expression="s/$release_date/$release_date_script/g" \
548                 "$scriptdir/$scriptfile"
549             release_date=$release_date_script
550             manpage_changed=true
551         fi
552         if [[ $release_message != "$release_message_script" ]]; then

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553         sed --in-place \
554             --expression="s|$release_message|$release_message_script|g" \
555             "$scriptdir/$scriptfile"
556         release_message=$release_message_script
557         manpage_changed=true
558     fi
559
560     copyright_man=$(grep --regexp='^Auteursrecht ' "$scriptdir/$scriptfile")
561     if [[ $copyright_man != "$copyright_script" ]]; then
562         sed --in-place \
563             --expression="s/$copyright_man/$copyright_script/" \
564             "$scriptdir/$scriptfile"
565         manpage_changed=true
566     fi
567
568     if $manpage_changed; then
569         man --troff "$scriptdir/$scriptfile" |
570         ps2pdf - "${TARGET_UPLOADS[PDFS]}/$scriptfile.pdf" |& $LOGCMD
571     fi
572 fi
573
574     echo "$scriptfile $release_number $release_date $release_message" >> \
575     "$CHANGELOG"
576 }
577
578 controleer_tags() {
579     if grep --quiet \
580         --regexp='\#\X\X\X' \
581         --regexp='\#\T\O\D\O' \
582         --regexp='\#\F\I\X\M\E' \
583         "$scriptdir/$scriptfile"; then
584         toon_waarschuwingstekst "\nIn $scriptfile:
585 $(
586     grep --line-number \
587         --regexp='\#\X\X\X' \
588         --regexp='\#\T\O\D\O' \
589         --regexp='\#\F\I\X\M\E' \
590         "$scriptdir/$scriptfile"
591 )
592 "
593         if [[ $CHECKRC -eq $SUCCESS ]]; then
594             CHECKRC=$WARNING
595         fi
596     fi
597 }
598
599 controleer_eindspaties() {
600     if grep --quiet \
601         --regexp=' $' \
602         "$scriptdir/$scriptfile"; then
603         toon_waarschuwingstekst "\nEindspaties in $scriptfile:
604 $(
605     grep --line-number \
606         --regexp=' $' \
607         "$scriptdir/$scriptfile"
608 )
609 "
610         if [[ $CHECKRC -eq $SUCCESS ]]; then
611             CHECKRC=$WARNING
612         fi
613     fi
614 }
615
616 maak_scriptspakket() {
617     local deb_name='kzscripts_1.0_all.deb'
618     local -i deb_version_old=0
619     local -i deb_version_new=1
620     local size_compressed=''
621     local size_original=''

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```

622
623 cd "$SCRIPTSDIR"
624 chmod 'u=rwx,g=rx,o=rx' -- *
625 chmod 'a-x' -- *.*_*
626
627 sort --version-sort \
628 --unique \
629 "$CHANGELOG" \
630 --output="$CHANGELOG" |& $LOGCMD
631 if [[ -e $ARCHIVELOG_GZ ]]; then
632 gunzip "$ARCHIVELOG_GZ" |& $LOGCMD
633 fi
634 cat "$CHANGELOG" \
635 >> "$ARCHIVELOG"
636 sort --version-sort \
637 --unique \
638 "$ARCHIVELOG" \
639 --output="$ARCHIVELOG" |& $LOGCMD
640 gzip --best \
641 --force \
642 "$CHANGELOG" \
643 "$ARCHIVELOG" |& $LOGCMD
644 chmod 'u=rw,g=r,o=r' -- "$ARCHIVELOG_GZ" "$CHANGELOG_GZ"
645
646 # Deze rsync is incl. CHANGELOG.gz, *.7, *.desktop, en *.policy.
647 rsync --archive \
648 --delete \
649 "$SCRIPTSDIR"/ \
650 "$DEBDIR${SOURCE_DEB[BIN]}" |& $LOGCMD
651
652 size_original=$(
653 du --human-readable \
654 --summarize \
655 "$DEBDIR" |
656 awk 'END{print $1}'
657 )
658 printf "%-${TXT_MAXLEN}s [%sB] ...\n" 'Maak scriptspakket' "$size_original"
659 verwerk_scriptspakketbestanden
660 maak_wallpapapers_config
661
662 # Hoog versienummer op zodat het pakket via [Gnome] Software wordt
663 # geïnstalleerd ook al staat er een oude versie.
664 deb_version_old=$(
665 awk -F'Version: ' '/Version:/{print $2;exit}' "$DEBDIR/DEBIAN/control"
666 )
667 deb_version_new=$(( deb_version_old + 1 ))
668 sed --in-place \
669 --expression=\
670 "s/Version: $deb_version_old/Version: $deb_version_new/" \
671 "$DEBDIR/DEBIAN/control"
672 printf "%-${TXT_MAXLEN}s [%s -> %s].\n" 'Scriptspakketversie' \
673 "$deb_version_old" "$deb_version_new"
674
675 # Compressietype gzip voorkomt melding 'Het pakket is van slechte kwaliteit'
676 # in Ubuntu 14.04 softwarecentrum.
677 fakeroot dpkg-deb \
678 --build \
679 -Z=gzip \
680 "$DEBDIR" \
681 "${TARGET_UPLOADS[DEBS]}/${deb_name}" |& $LOGCMD
682
683 size_compressed=$(
684 du --human-readable \
685 --summarize \
686 "${TARGET_UPLOADS[DEBS]}" |
687 awk 'END{print $1}'
688 )
689 printf "%-${TXT_MAXLEN}s [%sB -> %sB].\n" 'Scriptspakket gemaakt' \
690 "$size_original" "$size_compressed"

```

```

691 }
692
693 verwerk_scriptspakketbestanden() {
694     local basename=''
695     local file=''
696     local prefix1='kz'
697     local prefix2='nl.karelzimmer.'
698
699     # Changelog (.gz)
700     mv "$DEBDIR${SOURCE_DEB[BIN]}/CHANGELOG.gz" \
701        "$DEBDIR${SOURCE_DEB[DOC]}" |& $LOGCMD
702
703     # Man-pagina's (.7)
704     rm --force \
705        "$DEBDIR${SOURCE_DEB[MAN]}/*" \
706        "$DEBDIR${TARGET_DEB[MAN]}/*"
707     gzip --best \
708          --force \
709          "$DEBDIR${SOURCE_DEB[BIN]}/*.7" |& $LOGCMD
710     rsync --archive \
711          --delete \
712          --remove-source-files \
713          "$DEBDIR${SOURCE_DEB[BIN]}/*.7.gz" \
714          "$DEBDIR${SOURCE_DEB[MAN]}" |& $LOGCMD
715     cd "$DEBDIR${TARGET_DEB[MAN]}"
716     for file in "$DEBDIR${SOURCE_DEB[MAN]}/*"; do
717         basename=$(basename "$file")
718         ln --symbolic \
719            "${SOURCE_DEB[MAN]}/${basename}" \
720            "$DEBDIR${TARGET_DEB[MAN]}/${basename}" |& $LOGCMD
721         ln --symbolic \
722            "$basename" \
723            "$prefix1$basename" |& $LOGCMD
724     done
725
726     # Bureaublad-configuratiebestanden (.desktop)
727     rm --force \
728        "$DEBDIR${SOURCE_DEB[APPLICATIONS]}/*" \
729        "$DEBDIR${TARGET_DEB[APPLICATIONS]}/*"
730     rsync --archive \
731          --delete \
732          --remove-source-files \
733          "$DEBDIR${SOURCE_DEB[BIN]}/*.desktop" \
734          "$DEBDIR${SOURCE_DEB[APPLICATIONS]}" |& $LOGCMD
735     for file in "$DEBDIR${SOURCE_DEB[APPLICATIONS]}/*"; do
736         basename=$(basename "$file")
737         ln --symbolic \
738            "${SOURCE_DEB[APPLICATIONS]}/${basename}" \
739            "$DEBDIR${TARGET_DEB[APPLICATIONS]}/${prefix2$basename}" |& $LOGCMD
740     done
741
742     # PolicyKit actiedefinitiebestanden (.policy)
743     rm --force \
744        "$DEBDIR${SOURCE_DEB[POLICY-1]}/*" \
745        "$DEBDIR${TARGET_DEB[POLICY-1]}/*"
746     rsync --archive \
747          --delete \
748          --remove-source-files \
749          "$DEBDIR${SOURCE_DEB[BIN]}/*.policy" \
750          "$DEBDIR${SOURCE_DEB[POLICY-1]}" |& $LOGCMD
751     for file in "$DEBDIR${SOURCE_DEB[POLICY-1]}/*"; do
752         basename=$(basename "$file")
753         ln --symbolic \
754            "${SOURCE_DEB[POLICY-1]}/${basename}" \
755            "$DEBDIR${TARGET_DEB[POLICY-1]}/${prefix2$basename}" |& $LOGCMD
756     done
757
758     # Symlinks /usr/bin/kzSCRIPT -> /opt/kzscripts/bin/SCRIPT.
759     rm --force \

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```

760     "$DEBDIR${TARGET_DEB[BIN]}/${prefix1}"*
761   for file in "$DEBDIR${SOURCE_DEB[BIN]}"/*; do
762     basename=$(basename "$file")
763     if [[ -x $file ]]; then
764         ln --symbolic \
765            "${SOURCE_DEB[BIN]}/${basename}" \
766            "$DEBDIR${TARGET_DEB[BIN]}/${prefix1}${basename}" |& $LOGCMD
767     fi
768   done
769 }
770
771 maak_wallpapers_config() {
772   local prefix='nl.karelzimmer.'
773   local wallpaper=''
774   local wallpapers_config_file='scripts-wallpapers.xml'
775
776   echo '<?xml version="1.0" encoding="UTF-8"?>' \
777     > "$DEBDIR${SOURCE_DEB[BACKGROUND-PROP]}/${wallpapers_config_file}"
778   echo '<!DOCTYPE wallpapers SYSTEM "gnome-wp-list.dtd">' \
779     >> "$DEBDIR${SOURCE_DEB[BACKGROUND-PROP]}/${wallpapers_config_file}"
780   echo '<wallpapers>' \
781     >> "$DEBDIR${SOURCE_DEB[BACKGROUND-PROP]}/${wallpapers_config_file}"
782
783   # Te verwerken bureaubladachtergronden staan in $(SOURCE_DEB[BACKGROUNDS]).
784   cd "$DEBDIR${SOURCE_DEB[BACKGROUNDS]}"
785
786   for wallpaper in *; do
787     echo "    <wallpaper>"
788     <name>${wallpaper%.*}</name>
789     <filename>${SOURCE_DEB[BACKGROUNDS]}/${wallpaper}</filename>
790     <options>zoom</options>
791     <pcolor>#000000</pcolor>
792     <scolor>#000000</scolor>
793     <shade_type>solid</shade_type>
794   </wallpaper>" \
795     >> "$DEBDIR${SOURCE_DEB[BACKGROUND-PROP]}/${wallpapers_config_file}"
796   done
797   echo '</wallpapers>' \
798     >> "$DEBDIR${SOURCE_DEB[BACKGROUND-PROP]}/${wallpapers_config_file}"
799   ln --force \
800     --symbolic \
801     "${SOURCE_DEB[BACKGROUND-PROP]}/${wallpapers_config_file}" \
802     "$DEBDIR${TARGET_DEB[BACKGROUND-PROP]}/${prefix1}${wallpapers_config_file}" |& $LOGCMD
803 }
804
805
806 maak_scriptsarchief() {
807   local size_compressed=''
808   local size_original=''
809   local temp_tar=''
810
811   # Te synchroniseren mappen en bestanden in SOURCE_TAR zijn relatief t.o.v.
812   # $HOME.
813   cd "$HOME"
814
815   size_original=$(
816     du --human-readable \
817       --summarize \
818       --total \
819       "${SOURCE_TAR[@]}" |
820     awk 'END{print $1}'
821   )
822   printf "%-${TXT_MAXLEN}s [%sB] ...\\n" 'Maak scriptsarchief' "$size_original"
823
824   # 'mktemp -t' --> 'mktemp -u' (-u = --dry-run) geeft rechten 0600 --> 0644.
825   temp_tar=/tmp/${mktemp -u "$PROGNAME-XXXXXXXX-${basename "$TARGET_TAR"}")
826   tar --create \
827     --gzip \
828     "${SOURCE_TAR[@]}" \

```

```

829     --file="$temp_tar"  |& $LOGCMD
830
831     size_compressed=$(
832         du --human-readable \
833            --summarize \
834            --total \
835            "$temp_tar" |
836         awk 'END{print $1}'
837     )
838     printf "%-${TXT_MAXLEN}s [%sB -> %sB].\n" 'Scriptsarchief gemaakt' \
839 "$size_original" "$size_compressed"
840
841     mv "$temp_tar" \
842        "$TARGET_TAR"  |& $LOGCMD
843 }
844
845 synchroniseer_uploads() {
846     local size=''
847
848     size=$(
849         du --human-readable \
850            --summarize \
851            --total \
852            --exclude='.*' \
853            "${SOURCE_UPLOADS[CHECKLISTS]}" \
854            "${SOURCE_UPLOADS[SCRIPTS]}" |
855         awk 'END{print $1}'
856     )
857     printf "%-${TXT_MAXLEN}s [%sB] ....\n" 'Synchroniseer uploads' "$size"
858
859     rsync --archive \
860          --delete \
861          "${SOURCE_UPLOADS[CHECKLISTS]}/" \
862          "${TARGET_UPLOADS[CHECKLISTS]}" |& $LOGCMD
863
864     # Sla verborgen mappen over, niet nodig voor de site.
865     rsync --archive \
866          --delete \
867          --exclude='.*' \
868          "${SOURCE_UPLOADS[SCRIPTS]}/" \
869          "${TARGET_UPLOADS[SCRIPTS]}" |& $LOGCMD
870 }
871
872 bepaal_wijzigingen() {
873     local -i diff_rc=0
874
875     touch "$DIFF" |& $LOGCMD
876     set +o errexit
877     diff --brief \
878         --recursive \
879         "$SOURCE_UPLOADS_OLD" \
880         "$TARGET_UPLOADS_OLD" \
881         >> "$DIFF"
882     diff_rc=$?
883     set -o errexit
884     if [[ $diff_rc -eq 0 ]]; then
885         toon_tekst 'Geen wijzigingen.'
886         return 0
887     fi
888 }
889
890 synchroniseer_uploads_oud() {
891     local size=''
892
893     size=$(
894         du --human-readable \
895            --summarize \
896            "$SOURCE_UPLOADS_OLD" |
897         awk 'END{print $1}'

```

```

898     )
899     printf "%-${TXT_MAXLEN}s [%sB] ...\n" 'Synchroniseer uploads-oud' "$size"
900
901     rsync --archive                \
902           --delete                 \
903           "$SOURCE_UPLOADS_OLD"/  \
904           "$TARGET_UPLOADS_OLD"  |& $LOGCMD
905 }
906
907 synchroniseer_google_drive() {
908     local dir=''
909     local file=''
910     local size=''
911
912     size=$(
913         du --human-readable        \
914            --summarize              \
915            --total                  \
916            "${SOURCE_GOOGLE_DRIVE[@]}" |
917         awk 'END{print $1}'
918     )
919     printf "%-${TXT_MAXLEN}s [%sB] ...\n" 'Synchroniseer Google Drive' "$size"
920
921     if gio info "$TARGET_GOOGLE_DRIVE" &> /dev/null; then
922         gio mount --unmount "$TARGET_GOOGLE_DRIVE"
923         gio mount "$TARGET_GOOGLE_DRIVE"
924     else
925         gio mount "$TARGET_GOOGLE_DRIVE"
926     fi
927
928     # Te synchroniseren mappen en bestanden in SOURCE_GOOGLE_DRIVE zijn
929     # relatief t.o.v. $HOME.
930     cd "$HOME"
931
932     toon_tekst 'Zoek mappen/bestanden voor Google Drive...'
933     while read -r file; do
934         if [[ -d "$file" ]]; then
935             if ! gio info "$TARGET_GOOGLE_DRIVE/$file" \
936                 &> /dev/null; then
937                 toon_tekst "Aanmaken $file ..."
938                 gio mkdir \
939                     --parent \
940                     "$TARGET_GOOGLE_DRIVE/$file"
941             fi
942         else
943             size=$(
944                 du --human-readable \
945                    "$file"         |
946                 awk 'END{print $1}'
947             )
948             toon_tekst "Uploaden $file [${size}B] ..."
949             gio copy \
950                 "$file" \
951                 "$TARGET_GOOGLE_DRIVE/${dirname "$file"}"
952             fi
953         done <<(find "${SOURCE_GOOGLE_DRIVE[@]}" -newer "$LASTRUN" -print)
954
955         gio mount --unmount "$TARGET_GOOGLE_DRIVE"
956     }
957
958     toon_wijzigingen() {
959         local hdr=''
960         local -i num_of_changes=0
961         local record=''
962         local temp_record=''
963
964         touch "$DIFF.temp1"
965         # Wijzig verschillenlijst (van DIFF naar DIFF.temp1)

```

```
967 # -----
968 # Verwijder aan het begin 'Bestanden ' en alles vanaf ' en /'.
969 # Verwijder aan het begin 'Alleen in ' en vervang '<pad>: <bestand>' door
970 # '<pad>/<bestand>'.
971 while read -r record; do
972     temp_record=$record
973
974     temp_record=${temp_record#Bestanden }
975     temp_record=${temp_record% en /*}
976
977     temp_record=${temp_record#Alleen in }
978     temp_record=${temp_record//: /\//}
979     temp_record=$(basename "$temp_record")
980
981     echo "  $temp_record" >> "$DIFF.temp1"
982 done < "$DIFF"
983
984 sort --unique "$DIFF.temp1" >> "$DIFF.temp2"
985
986 num_of_changes=$(wc --lines < "$DIFF.temp2")
987 hdr="--- Overzicht wijzigingen ($num_of_changes) ---"
988 touch "$REPORT" |& $LOGCMD
989 pr --date-format='%a %d %b %Y' \
990     --form-feed \
991     --header="$hdr" \
992     "$DIFF.temp2" |
993 tee "$REPORT"
994
995 rm "$DIFF".temp* |& $LOGCMD
996 }
997
998 controleer_scripts() {
999     local -i checkrc=0
1000
1001     toon_tekst 'Controleer scripts met ivpsh...'
1002
1003     set +o errexit
1004     "$SCRIPTSDIR/ivpsh"
1005     checkrc=$?
1006     set -o errexit
1007     if [[ $CHECKRC -eq $SUCCESS ]]; then
1008         CHECKRC=$checkrc
1009     fi
1010 }
1011
1012 upload_website() {
1013     local ftp_set='set ssl:verify-certificate no'
1014     local ftp_from=$SITEDIR
1015     local ftp_to=/httpdocs
1016     local ftp_opts='--reverse --delete'
1017     local ftp_cmd="mirror $ftp_opts $ftp_from $ftp_to"
1018     local ftp_login=$HOME/.$PROGNAME.lftp
1019     local ftp_site=server106.hosting2go.nl
1020     local ftp_user=kzimmer
1021
1022     if [[ $CHECKRC -eq $SUCCESS ]]; then
1023         if $OPTION_PASSWORD || [[ ! -f $ftp_login ]]; then
1024             read -rsp "FTP-wachtwoord voor $ftp_site: "
1025             echo "$REPLY" > "$ftp_login"
1026             toon_tekst ''
1027             chmod 'u=rw,g=,o=' \
1028                 "$ftp_login" |& $LOGCMD
1029         fi
1030         toon_tekst 'Upload website...'
1031         lftp --user "$ftp_user" \
1032             --password "$(cat "$ftp_login")" \
1033             -e "$ftp_set; $ftp_cmd; exit" \
1034             "$ftp_site"
1035     else
```

```
1036         toon_waarschuwingstekst "Als gevolg van scriptfouten wordt het \  
1037 uploaden van de website niet uitgevoerd."  
1038     fi  
1039 }  
1040  
1041 installeer_scriptspakket() {  
1042     local sudo_pw=$HOME/.$PROGRAMME.sudo  
1043  
1044     if [[ $CHECKRC -eq $SUCCESS ]]; then  
1045         if $OPTION_PASSWORD || [[ ! -f $sudo_pw ]]; then  
1046             read -rsp "[sudo] wachtwoord voor $USER: "  
1047             echo "$REPLY" > "$sudo_pw"  
1048             chmod 'u=rw,g=,o=' \\  
1049                 "$sudo_pw"      |& $LOGCMD  
1050             toon_tekst ''  
1051         fi  
1052         toon_tekst 'Installer scriptspakket met scripts ...'  
1053         # shellcheck disable=SC2024  
1054         sudo --stdin \\  
1055             --validate \\  
1056             < "$sudo_pw" |& $LOGCMD  
1057         "$SCRIPTSDIR/scripts"  
1058     else  
1059         toon_waarschuwingstekst "Als gevolg van scriptfouten wordt het \  
1060 installeren van het scriptspakket niet uitgevoerd."  
1061     fi  
1062 }  
1063  
1064 term_script() {  
1065     touch "$LASTRUN"  
1066  
1067     if [[ $CHECKRC -ne 0 ]]; then  
1068         quiet; exit $WARNING  
1069     else  
1070         quiet; exit $SUCCESS  
1071     fi  
1072 }  
1073  
1074 verwerk_script() {  
1075     controleer_invoer "$@"  
1076     verwerk_invoer  
1077 }  
1078  
1079 # #####  
1080 # Hoofdlijn  
1081 # #####  
1082 main() {  
1083     init_script  
1084     verwerk_script "$@"  
1085     term_script  
1086 }  
1087  
1088 main "$@"  
1089  
1090 # Einde script
```