

BASH : Barre de progression de sous-tâches

Script de démonstration d'une barre de progression utilisant ZENITY pour tracker la progression des tâches lancées en arrière plan.

```
#!/usr/bin/env bash
if [ -t 0 ] ; then
    DIALOG=${DIALOG=dialog}
else
    DIALOG=${DIALOG=gdialog}
fi
fichtemp2=`tempfile 2>/dev/null` || fichtemp2=/tmp/test2$$
trap "rm -f $fichtemp2" 0 1 2 5 15
[ -n "$DEBUG" ] && set -x
not_staged_pattern="Changes not staged for commit"
untracked_pattern="Untracked files:"
commit_pattern="Changes to be committed:"
committed_patern="(.* ) file changed, (.* ) insertions\(+\), (.* ) deletions\(-\)"
TASK[0]=0

export TASK

task1() {
    folder=$1
    pfile="/tmp/tasks_procfile"
    echo {1..3} >$pfile
    #tache 1: S'il des modif unstaged ou s'il existe des fichiers untracked
on fait un git add -A
    #
    (
        filep="/tmp/task1_progress"
        git_status="$(LANG=en_US git -C $folder commit 2> /dev/null)"
        i=1
        if [[ ${git_status} =~ ${not_staged_pattern} || ${git_status} =~
${untracked_paternn} ]] ; then
            cmd=$(cat /tmp/task1_libelle)
            LANG=en_US "${cmd[@]}" &
            PROC_ID=$!
            wait ${PROC_ID}
            echo "$?" >$filep
        else
            echo 0 >$filep
        fi
    )
    #tache 2: On refait un status
    #         S'il y a des changements à prendre en compte on fait un git
commit
    #
```

```

(
  filep="/tmp/task2_progress"

  git_status="$(LANG=en_US git -C $folder commit 2> /dev/null)"
  if [[ ${git_status} =~ ${commit_pattern} ]] ; then
    cmd=$(cat /tmp/task2_libelle)
    LANG=en_US "${cmd[@]}" &
    PROC_ID=$!
    wait ${PROC_ID}
    echo "$?" >$filep
  fi
)
#tache 3: On refait un status
#       S'il y a eu des changements on fait un push
#
(
  filep="/tmp/task3_progress"
  git_status="$(LANG=en_US git -C $folder commit 2> /dev/null)"
  if [[ ${git_status} =~ ${committed_pattern} ]] ; then
    cmd=$(cat /tmp/task3_libelle)
    LANG=en_US "${cmd[@]}" &
    PROC_ID=$!
    wait ${PROC_ID}
    echo "$?" >$filep
  fi
)

}

progress-zenity () {

unset TIME_TO_FINISH PROGRESS STATUS
pfile="/tmp/tasks_procfile"
i=0
while /bin/true;
do
  unset TASKS
  TOTPR=0
  IFS=' '
  j=1
  k=0
  for i in `cat $pfile`; do (( k++ )) ; done
  for i in `cat $pfile`;
  do
    LIBELLE[$i]=$(cat /tmp/task${i}_libelle)
    STATUS[$i]=$(cat /tmp/task${i}_progress)
    if [ ${STATUS[$i]} -ne 7 ] ; then
      PROGRESS[$i]=100
      TOTPR=$((TOTPR+PROGRESS[$i]/k))
      j=$(( i + 1))
    else

```

```
        PROGRESS[$i]=0
        TOTPR=$((TOTPR+PROGRESS[$i]/k))
    fi
    TASKS=$(cat /tmp/task${j}_libelle)
    (
        echo "${TOTPR}" ; sleep 1 # This command will echo a line begin with
number "10". It will replace --percentage option.
        echo "# ${TASKS}" ; sleep 1 # This command will echo a line begin
with # character. It will replace --text option.
    )
done

IFS=' '
# Create a list contain some commands
I=0
for a in `cat $pfile`; do [[ ${PROGRESS[$a]} -ge 100 ]] && I=$((I+1));
done

[[ $I -eq $i ]] && break
sleep 1
done
echo waiting
wait

}
#Initialisation des taches
rm /tmp/task*
echo 7 >"/tmp/task1_progress"
echo "git -C /data/espace-pro/workspace/git/kickstarts add -A"
>"/tmp/task1_libelle"
echo 7 >"/tmp/task2_progress"
echo "echo \"on fait un commit\"" >"/tmp/task2_libelle"
echo 7 >"/tmp/task3_progress"
echo "echo \"on fait un push\"" >"/tmp/task3_libelle"
echo "Processus Terminé..." >"/tmp/task4_libelle"
task1 /data/espace-pro/workspace/git/kickstarts &

p
set +x
```

From:
<http://www.ouarte.garden/> - **dwndoc**

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Last update: **2025/02/19 10:59**

