BASH : Barre de progression de sous-tâches

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

```bash
#! /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 unstagged 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} =~
${untracked_patternn} ]] ; then
        cmd=($(cat /tmp/task${i}_libelle))
        LANG=en_US "${cmd[@]}" &
        PROC_ID=$!
        wait ${PROC_ID}
        echo "$?" >$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"
```

```bash
    git_status="$(LANG=en_US git -C $folder commit 2> /dev/null)"
    if [[ ${git_status} =~ ${commit_pattern} ]] ; then
        echo "on fait un commit" &
        PROC_ID=$!
        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} =~ ${commited_pattern} ]] ; then
        echo "on fait un push" &
        PROC_ID=$!
        PROC_ID=$!
        wait ${PROC_ID}
        echo "$?" >$filep
    fi
    )

}



progress-dialog () {

unset TIME_TO_FINISH PROGRESS STATUS
pfile="/tmp/tasks_procfile"
i=0
while /bin/true;
do
    unset TASKS
    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[$i]=100
            else
                PROGRESS[$i]=0
              fi
        TASKS+=("${LIBELLE[$i]}" "${STATUS[$i]}")
    done

    # 0: success
    # 1: failed
    # 2: passed
    # 3: completed
```

```
    # 4: checked
    # 5: done
    # 6: skipped
    # 7: in progress
    # -X: 0-100, progress of process
    dialog \
        --title "Mixed gauge demonstration" \
        --backtitle "Backtitle" \
        --mixedgauge "This is a prompt message,\nand this is the second
line." \
            0 0 $(($((${PROGRESS[1]}+${PROGRESS[2]}+${PROGRESS[3]}))/3)) \
            "${TASKS[@]}"

    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"
task1 /data/espace-pro/workspace/git/kickstarts &

progress-dialog

set +x
```

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