

Bash: función change_conf

-Juan Gabriel Covas 2015

Busca "key=value" en el archivo especificado y añade la línea si no existe o sustituye el valor si ya existe

Función change_conf para BASH

```
#####
#####
# Custom Function to search/replace/add a "key=value" pair on a given .conf
# file.
# Supports line commented with #key...
# Supports key=value in form of "key = value" which is good for
# sysctl.conf, etc. since the search is done for
# "key" and then replaced/added

change_conf() {

    if [[ $# -ne 3 ]]; then
        echo "ERROR: change_conf function. Expected parameters: 3"
        echo "Example: change_conf /etc/file.conf key value"
        exit 1
    else
        sr_file="$1"
        basename_sr_file=$(basename $1)
        sr_key="$2"
        sr_value="$3"
        replacement="${sr_key}=${sr_value}"

        # for i in "$@"; do echo $i ; done

        # create the file if not found
        if [ ! -f "$sr_file" ] ;then
            echo "Created new file: ${sr_file}";
            touch ${sr_file};
            printf '%s' ${sr_file}
        else

            # start by printing the file to be changed
            printf '%s' ${sr_file}

            bCommented=0
            grep -q -E "^#${sr_key}\s=" ${sr_file} && bCommented=1;
            if [ $bCommented -eq 0 ] ;then
                grep -q -E "^#${sr_key}=" ${sr_file} && bCommented=1;
            fi
            if [ $bCommented -eq 1 ] ;then
                sed -i "s/#{sr_key} =/${sr_key} =/w /tmp/mychglog.txt"
```

```

${sr_file}
        if [ ! -s /tmp/mychglog.txt ] ;then
            sed -i "s/#{${sr_key}}=/${${sr_key}}=w /tmp/mychglog.txt"
${sr_file}
        fi
        printf " ---> Removed # "
    fi
fi
bFound=0
cur_value=""
grep -q -E "^${sr_key}=" ${sr_file} && bFound=1; cur_value=$(grep -E
"^${sr_key}=" ${sr_file})
    if [ $bFound -eq 0 ] ;then
        grep -q -E "^${sr_key} =" ${sr_file} && bFound=2;
cur_value=$(grep -E "^${sr_key} =" ${sr_file})
        search_str="^${sr_key} =";
    else
        search_str="^${sr_key}=";
    fi

    # tell what will be done for this key/value pair
    if [ ! -z "${cur_value}" ] ;then
        IFS='=' read -ra value_parts <<< "$cur_value"

        # we will try to change or add, only if value is different
        # printf ' - Testing [%s] Vs. [%s] - ' "${replacement}"
"${cur_value}"
        if [[ "${replacement}" == "${cur_value}" ]]; then
            printf ' -----> SKIP [%s] [%s]\n' "${sr_key}"
"${value_parts[1]}"
            return 0
        fi
        printf ' ---> REPLACE [%s] to [%s] ... ' "${cur_value}"
"${replacement}"
    else
        printf ' -----> ADD [%s] [%s] ... ' "${sr_key}" "${sr_value}"
    fi

    # do the search/replace/add
    sudo awk -v replacement="${replacement}" \
        -v search="${search_str}" \
        'match($0, search) {print replacement; found=1} !match($0,
search) {print $0} END {if (!found) {print replacement }}' \
        ${sr_file} > /tmp/tmp-${basename_sr_file}

    # cat /tmp/tmp-${sr_file}
    cat /tmp/tmp-${basename_sr_file} | sudo tee ${sr_file} >/dev/null

    # check the resulting file
    grep -q -e "^${replacement}" $sr_file
    RETVAL=$?

```

```
    [ $RETVAL -eq 0 ] && printf 'OK.\n'; return 0
    [ $RETVAL -ne 0 ] && printf 'FAILED!\n'; return 1
fi
}
```

From:

<https://juangacovas.info/> - **JuangaCovas.info**

Permanent link:

<https://juangacovas.info/doku.php/personal/codigo/bash-change-conf>

Last update: **10/07/2020 17:50**

