Notification to all logged in X users

broadcast
#!/bin/bash

# Broadcast v1.0
#
# A sleazy, dirty, creepy hack to broadcast a message to every single
# connected user within an X environment.
#
# Feel free to enhance and share any enhancement!
#
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# Checking the number of parameters given:
if [ $# -ne 3 ]; then echo "Wrong number of parameters:";echo "Usage: $0 TITLE MESSAGE DURATION";exit 1; fi;

# First parameter is the title of the info box
TITLE="$1"

# Second parameter is the message to be broadcasted
MSG="$2"

# Third parameter is the timeout duration for the Info box.
DURATION="$3"

# Null-Initializes the list of ADVertised CLienTs
ADVCLT=""

# Grabs the name of one of the connected users from which to grab a list of connected displays
USERNAME=`w -h | head -1 | cut -d' ' -f1`

# Grabs the list of connected users
USERLIST=`w -h | cut -d' ' -f1 | sort -d -u |grep \[^root\]`

# Adds :0 to the list of the displays, since it might not be grabbed later if $USERNAME
# is a Network User.
XAUTHOP=":0 

# Grabs the list of the connected displays from $USERNAME and removes duplicates
XAUTHOP="$XAUTHOP \su $USERNAME -c -l 'xauth list $DISPLAY' | sed 's/.*\(:[0-9]\+\).*/\1/g' | sort -d -u"

# Core Stuff:
# For each Connected display...
for i in $XAUTHOP

do

    # Try to display the message with each user's environment.
    # That's dirty and kind of "brutal", but I couldn't find a way
    # to associate a display to a user in a clean way...
    for j in $USERLIST
        do

            # Try to display for the user only if he was not already advertised.
            if ! (echo "$ADVCLT" | grep $j)
            then
                su $j -c -l "export DISPLAY='localhost:${i}'; zenity --info --title='$TITLE' --text='$MSG' --timeout $DURATION"

            # If we could advertise for the user, add him to the list of advertised users.
            [ $? -eq 5 -o $? -eq 0 ] && ADVCLT="$ADVCLT $j"
            fi

            # Same thing here, for non-network users.
            if ! (echo "$ADVCLT" | grep $j)
            then
                su $j -c -l "export DISPLAY=${i}; zenity --info --title='$TITLE' --text='$MSG' --timeout $DURATION" && ADVCLT="$ADVCLT $j"
            [ $? -eq 5 -o $? -eq 0 ] && ADVCLT="$ADVCLT $j"
            fi

        done

done