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!

everchere@everchere.com

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"
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"
fi

done

done