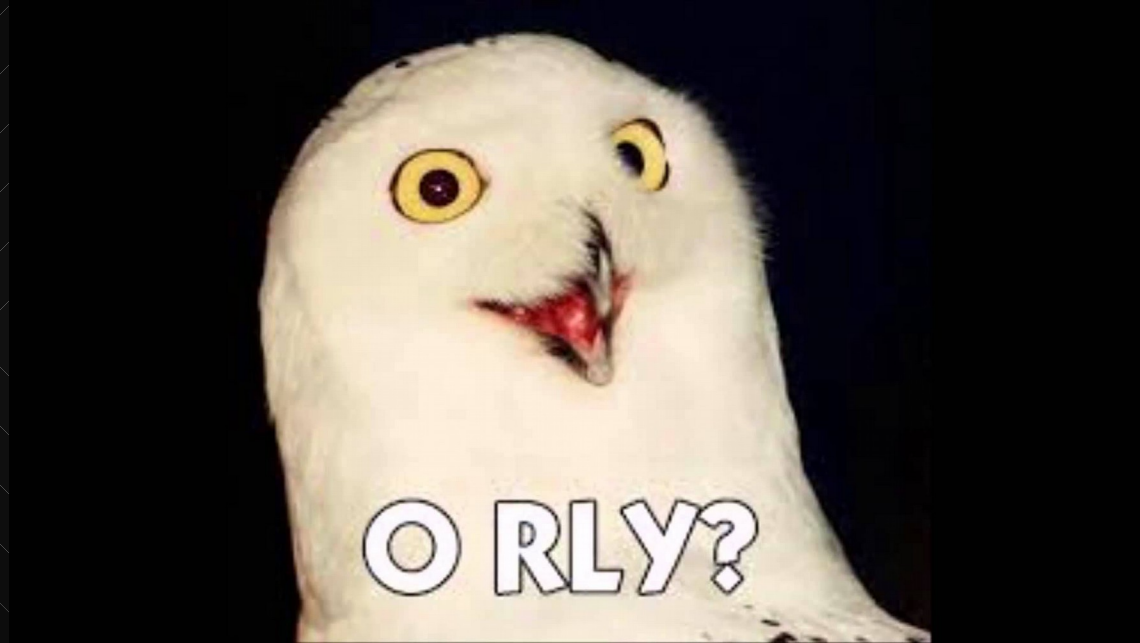# Chatty M(A)C-Chatface

# WARNING

This operating system was developed by professionals and/or total idiots. In either case, Microsoft insists that neither you or any of your dumb little buddies expect that any feature of this crappy piece of programming code will run without errors and won't cause some system crashes.

# Ausgangssituation



Silvester 2018/2019

# Sender.sh

```bash
#! /bin/bash

MESSAGE="Hallo IT-Sec Meetup Kassel   "
Counter=1
MAC="00:"
for (( i=0; i<${#MESSAGE}; i++ )); do
        hexChar=$(echo "${MESSAGE:$i:1}" | xxd -l1 -p$)
        echo $hexChar
        MAC="$MAC$hexChar"
        if [ "$Counter" -gt "4" ]; then
                ifdown enp0s8
                ip link set enp0s8 address $MAC
                ifup enp0s8


                Counter=1
                echo "$MAC"
                MAC="00:"
                sleep 5
        else
                ((Counter++))
                MAC="$MAC:"
        fi
done
```

# Receiver.sh

```bash
#! /bin/bash


lastMac=$(arping -I vboxnet2 -c 1 192.168.58.101 | grep reply | cut -d "[" -f2 | cut -d "]" -f1)
MESSAGE=""
while true; do
        MAC=$(arping -I vboxnet2 -c 1 192.168.58.101 | grep reply | cut -d "[" -f2 | cut -d "]" -f1)
        if [ "$MAC" != "$lastMac" ]
        then
                for i in {2..6}
                do
                        MESSAGE=$MESSAGE$(echo $MAC | cut -d ":" -f$i | xxd -r -p$)
                done
                echo -ne "$MESSAGE"
                MESSAGE=""
                lastMac=$MAC
        fi
done
```

# Probleme



https://github.com/1337pwny/MAC-Chat