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#!/bin/bash
#script d'information des interfaces réseaux

eth=$(ifconfig -a | grep "eth" | awk '{print $1}')
wlan=$(ifconfig -a | grep "wlan" | awk '{print $1}')
reference=$(lspci | grep Ethernet | awk -F ":" '{print $3}')
reference2=$(lspci | grep Network | awk -F ":" '{print $3}')

echo -e "\e[0;31mReference cartes ethernet\033[0m"
echo "$(lspci | grep Ethernet | awk -F ":" '{print $3}')"
if [ -z "$reference" ];then
echo -e "Aucune carte ethernet présente"
fi

for i in $eth
do
echo -e "\e[0;31mInterface $i\033[0m"
echo "Adresse IP : $(ifconfig $i | grep "inet adr" | awk -F:' '{ print $2 }' | awk '{print $1}')"
echo "Masque : $(ifconfig $i | grep "Masque" | awk '{print $4}' | awk -F ":" '{print $2}')"
echo -e "Passerelle : $(route -n |grep $i | awk 'NR==1 {print $2}')"
echo "Broadcast : $(ifconfig $i | grep "Bcast" | awk '{print $3}' | awk -F ":" '{print $2}')"
echo "Adresse MAC : $(ifconfig $i | grep "HWaddr" | awk '{print $5}')"
echo "MTU : $(ifconfig $i | grep "MTU" | awk '{print $5}' | awk -F ":" '{print $2}')"
done

echo -e "\e[0;31mReference cartes wifi\033[0m"
echo "$(lspci | grep Network | awk -F ":" '{print $3}')"
if [ -z "$reference2" ];then
echo -e "Aucune carte wifi présente\n"
fi

for i in $wlan
do
echo -e "\e[0;31mInterface $wlan\033[0m"
echo "Adresse IP : $(ifconfig $wlan | grep "inet adr" | awk -F:' '{ print $2 }' | awk '{print $1}')"
echo "Masque : $(ifconfig $wlan | grep "Masque" | awk '{print $4}' | awk -F ":" '{print $2}')"
echo -e "Passerelle : $(route -n |grep $wlan | awk 'NR==1 {print $2}')"
echo "Broadcast : $(ifconfig $wlan | grep "Bcast" | awk '{print $3}' | awk -F ":" '{print $2}')"
echo "Adresse MAC : $(ifconfig $wlan | grep "HWaddr" | awk '{print $5}')"
echo "MTU : $(ifconfig $wlan | grep "MTU" | awk '{print $5}' | awk -F ":" '{print $2}')"
echo "Mode : $(iwconfig $wlan | grep "Mode" | awk -F:' '{ print $2 }' | awk '{print $1}')"
echo "ESSID : $(iwconfig $wlan | grep "ESSID" | awk -F ":" '{print $2}')"
echo "Signal : $(iwconfig $wlan | grep "Signal" | awk -F "=" '{print $3}')"
echo "Qualité : $(iwconfig $wlan | grep "Link" | awk -F "=" '{print $2}' | awk '{print $1}')"
echo -e "Débit : $(iwconfig $wlan | grep "Bit" | awk -F "=" '{print $2}' | awk '{print $1,$2}')\n"
done
echo -n "Voulez-vous lancer bmon? (o/n) : "
read reponse
if [ $reponse = "o" ];then
bmon
else
echo "au revoir"
exit
fi

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