

# Dynamic Message of the Day (motd)

## Quellen

1. <https://wiki.debian.org/motd>
2. <https://oitibs.com/debian-jessie-dynamic-motd/>
3. <https://unix.stackexchange.com/questions/246436/how-to-set-a-dynamic-message-of-the-day-motd-in-debian-jessie-8-2-for-ssh>
4. <https://elhombrequereventodeinformacion.wordpress.com/2015/04/30/motd-handling-in-debian-jessie-fixed/>

## Setup

```
# install lsb-release
apt install lsb-release
# install figlet to enable ASCII art
apt install figlet
# create directory
mkdir /etc/update-motd.d/
# change to new directory
cd /etc/update-motd.d/
# create dynamic files
touch 00-header && touch 10-sysinfo && touch 90-footer
# make files executable
chmod +x /etc/update-motd.d/*
# remove MOTD file
mv /etc/motd /etc/motd.BAK
# symlink dynamic MOTD file
ln -s /var/run/motd.new /etc/motd
# Optional: Fix bug in /etc/pam.d/sshd. See Source Link 3 and 4
nano /etc/pam.d/sshd
session optional pam_motd.so motd=/run/motd.dynamic.new
session optional pam_motd.so noupdate
```

## Config Files

### 00-header

```
#!/bin/sh
#
# 00-header - create the header of the MOTD
# Copyright (c) 2013 Nick Charlton
# Copyright (c) 2009-2010 Canonical Ltd.
#
```

```
#   Authors: Nick Charlton <hello@nickcharlton.net>
#           Dustin Kirkland <kirkland@canonical.com>
#
#   This program is free software; you can redistribute it and/or
#   modify
#   it under the terms of the GNU General Public License as published
#   by
#   the Free Software Foundation; either version 2 of the License, or
#   (at your option) any later version.
#
#   This program is distributed in the hope that it will be useful,
#   but WITHOUT ANY WARRANTY; without even the implied warranty of
#   MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
#   GNU General Public License for more details.
#
#   You should have received a copy of the GNU General Public License
#   along
#   with this program; if not, write to the Free Software Foundation,
#   Inc.,
#   51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

[ -r /etc/lsb-release ] && . /etc/lsb-release

if [ -z "$DISTRIB_DESCRIPTION" ] && [ -x /usr/bin/lsb_release ]; then
    # Fall back to using the very slow lsb_release utility
    DISTRIB_DESCRIPTION=$(lsb_release -s -d)
fi

figlet $(hostname)
printf "\n"

printf "Welcome to %s (%s).\n" "$DISTRIB_DESCRIPTION" "$(uname -r)"
printf "\n"
```

## 10-sysinfo

```
#!/bin/bash
#
#   10-sysinfo - generate the system information
#   Copyright (c) 2013 Nick Charlton
#
#   Authors: Nick Charlton <hello@nickcharlton.net>
#
#   This program is free software; you can redistribute it and/or
#   modify
#   it under the terms of the GNU General Public License as published
#   by
#   the Free Software Foundation; either version 2 of the License, or
```

```

# (at your option) any later version.
#
# This program is distributed in the hope that it will be useful,
# but WITHOUT ANY WARRANTY; without even the implied warranty of
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
# GNU General Public License for more details.
#
# You should have received a copy of the GNU General Public License
along
# with this program; if not, write to the Free Software Foundation,
Inc.,
# 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

date=`date`
load=`cat /proc/loadavg | awk '{print $1}'`
root_usage=`df -h / | awk '/\// {print $(NF-1)}'`
memory_usage=`free -m | awk '/Mem:/ { total=$2 } /buffers\/cache/ {
used=$3 } END { printf("%3.1f%%", used/total*100)}'`
swap_usage=`free -m | awk '/Swap/ { printf("%3.1f%%", "exit
!$2;$3/$2*100") }'`
users=`users | wc -w`
time=`uptime | grep -ohe 'up .*' | sed 's/,/\ hours/g' | awk '{ printf
$2" "$3 }'`
processes=`ps aux | wc -l`
ip=`ifconfig $(route | grep default | awk '{ print $8 }') | grep "inet
addr" | awk -F: '{print $2}' | awk '{print $1}'`

echo "System information as of: $date"
echo
printf "System load:\t%s\tIP Address:\t%s\n" $load $ip
printf "Memory usage:\t%s\tSystem uptime:\t%s\n" $memory_usage "$time"
printf "Usage on /:\t%s\tSwap usage:\t%s\n" $root_usage $swap_usage
printf "Local Users:\t%s\tProcesses:\t%s\n" $users $processes
echo

```

## 90-footer

```

#!/bin/sh
#
# 90-footer - write the admin's footer to the MOTD
# Copyright (c) 2013 Nick Charlton
# Copyright (c) 2009-2010 Canonical Ltd.
#
# Authors: Nick Charlton <hello@nickcharlton.net>
#          Dustin Kirkland <kirkland@canonical.com>
#
# This program is free software; you can redistribute it and/or
modify

```

```
#   it under the terms of the GNU General Public License as published
#   by
#   the Free Software Foundation; either version 2 of the License, or
#   (at your option) any later version.
#
#   This program is distributed in the hope that it will be useful,
#   but WITHOUT ANY WARRANTY; without even the implied warranty of
#   MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
#   GNU General Public License for more details.
#
#   You should have received a copy of the GNU General Public License
#   along
#   with this program; if not, write to the Free Software Foundation,
#   Inc.,
#   51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

[ -f /etc/motd.tail ] && cat /etc/motd.tail || true
```

From:

<https://dokuwiki.meinekleinefarm.net/> - **Meine kleine Dokumentation**

Permanent link:

[https://dokuwiki.meinekleinefarm.net/doku.php?id=debian\\_jessie\\_motd&rev=1519306766](https://dokuwiki.meinekleinefarm.net/doku.php?id=debian_jessie_motd&rev=1519306766)

Last update: **2018/02/22 13:39**

