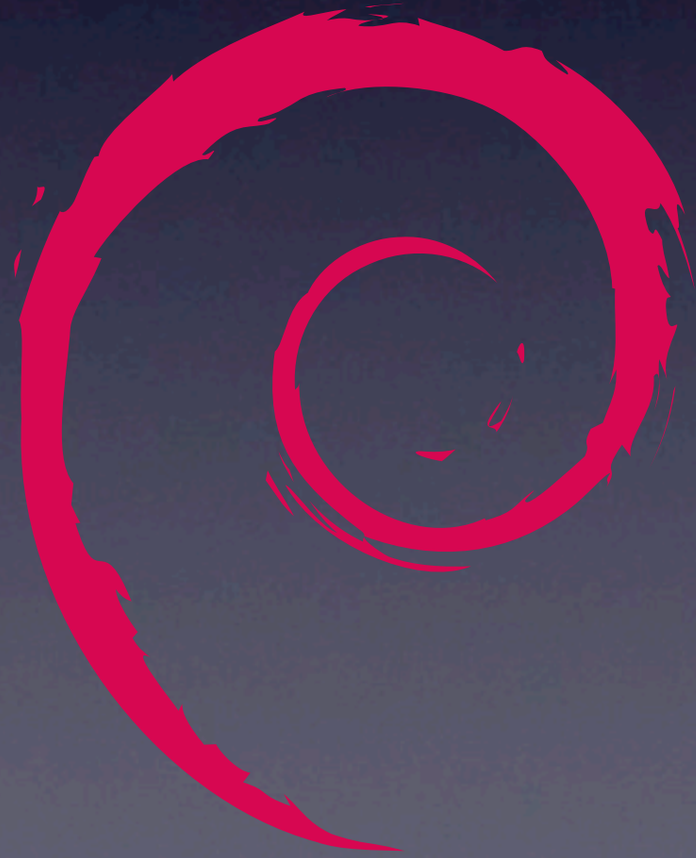
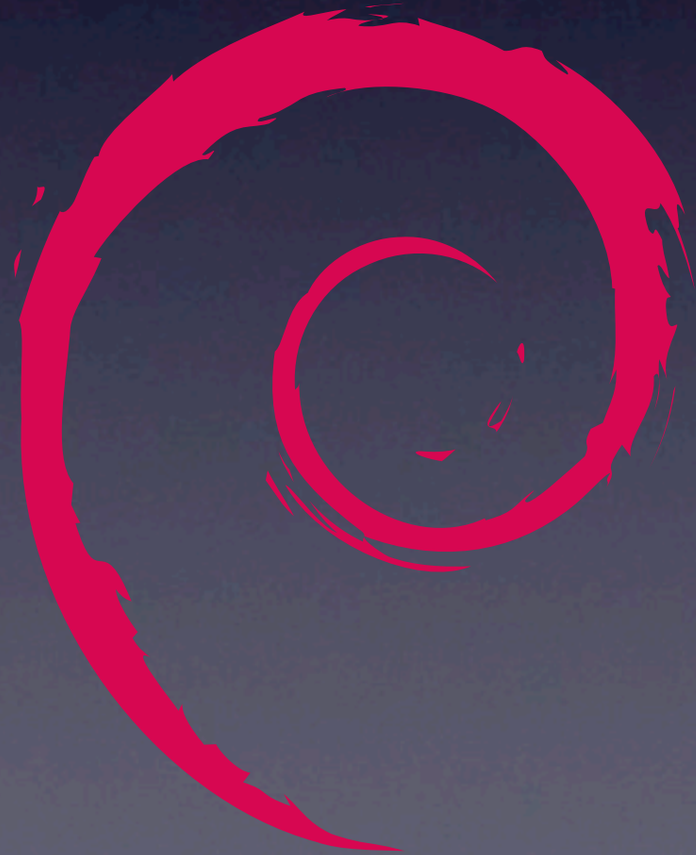
grml.org

Debian-based Live CD



Debian-based Live CD

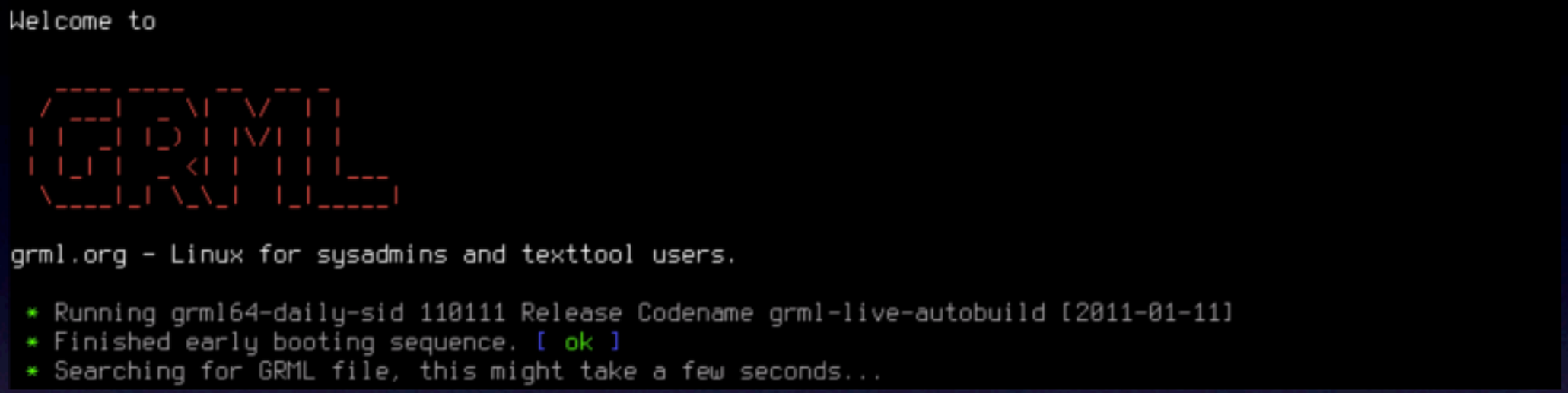
for SysAdmins



Basic Features

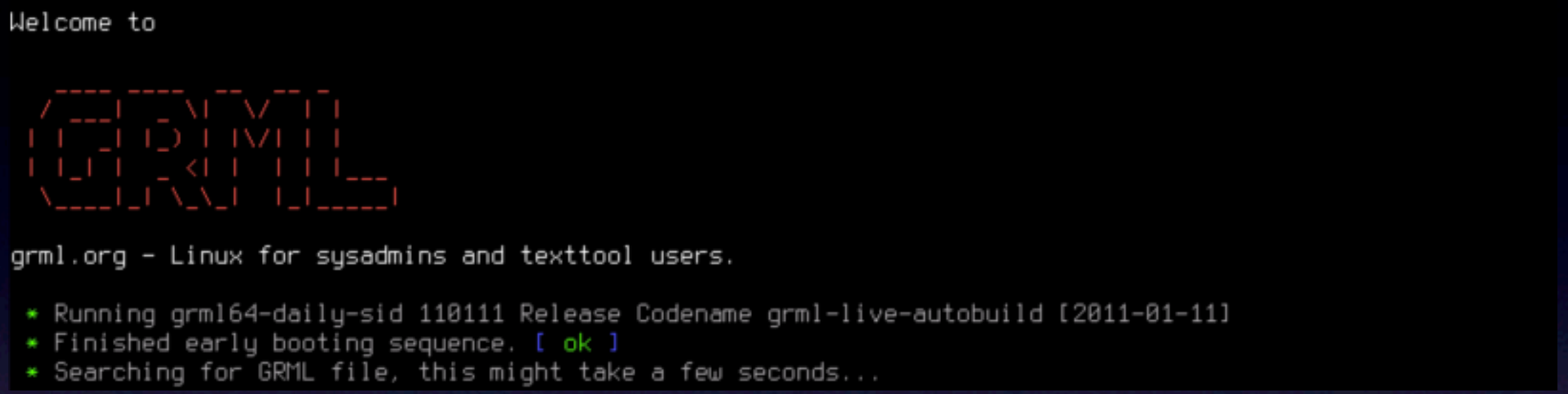
```
Welcome to

   ____ ____  __  __ _
  / ___|  _ \|  \/  | |
 | |  _| |_) | |\/| | |
 | |_| |  _ <| |  | | |___
  \____|_| \_\_|  |_|_____|

grml.org - Linux for sysadmins and texttool users.

 * Running grml64-daily-sid 110111 Release Codename grml-live-autobuild [2011-01-11]
 * Finished early booting sequence. [ ok ]
 * Searching for GRML file, this might take a few seconds...
```

Basic Features



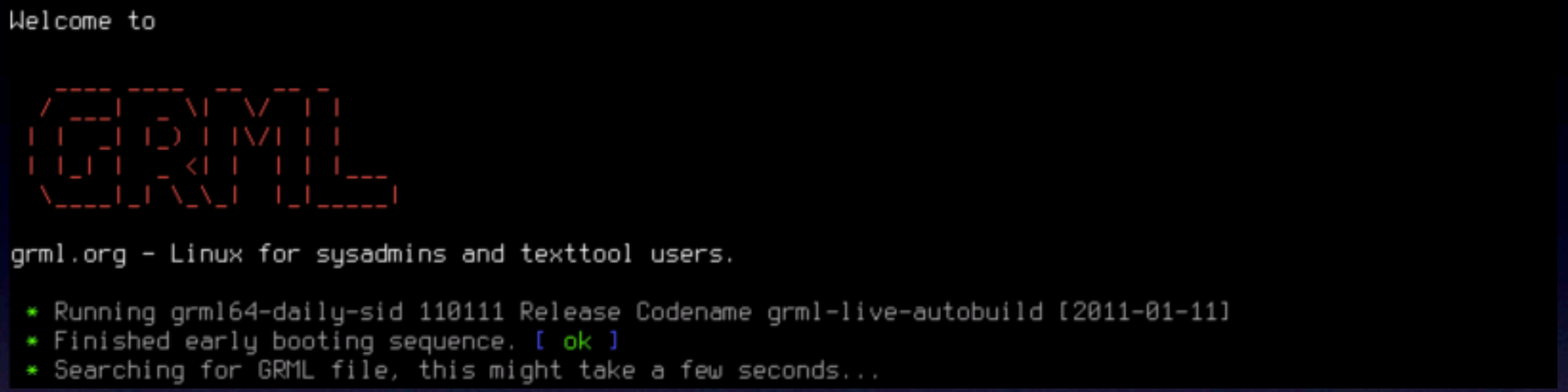
- Live CD

Basic Features



- Live CD
- Allows apt-get install / dpkg -l

Basic Features



- Live CD
- Allows apt-get install / dpkg -l
- It's free!

grml.org/features/

In the box

In the box

- CLI tools for sysadmins & recovery

In the box

- CLI tools for sysadmins & recovery
- Deployment Tools

grml.org/features/

In the box

- CLI tools for sysadmins & recovery
- Deployment Tools
- Documentation

grml.org/features/

In the box

- CLI tools for sysadmins & recovery
- Deployment Tools
- Documentation
- >2500 packages ~ 2GB on 700MB ISO

grub1/2 memtest86 syslinux iPXE

kernel-2.6.36.2 fbcon kms drbd MirBSD

squashfs-lzma openafs LUKS iSCSI vim

emacs joe htop multitail w3m elinks irssi

zsh rsync duplicity partimage parted

testdisk ddrescue nmap wireshark scapy

hping foremost wipe apache2 slapd

keepalived subversion git mercurial darcs

dhcp-server sshd dnsmasq gcc python perl

ruby1.8/9 tcl facter cfengine2

puppetmaster cciss-vol-status dsh unrar

lha mplayer X11 fluxbox virtualbox-ose

tetrinet-client

Supports ...

Supports ...

- 32bit / 64bit x86

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- lvm2 / md-raid / LUKS / loop-aes

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- Boot from CD, USB, PXE, ISO

Supports ...

- 32bit / 64bit x86
- lvm2 / md-raid / LUKS / loop-aes
- Boot from CD, USB, PXE, ISO
- Servers.

Known Users

credativ

freenet

Globalways AG
München | Stuttgart | Frankfurt am Main

LINBIT
YOUR WAY TO HIGH AVAILABILITY

lola!

You?
Please tell us!
contact@grml.org

SuccessFactors
People Performance

LINZ AG
TELEKOM

TU Graz

sip:wise

UNIVERSITÀ DI BOLOGNA A.D.1088

proner
INTERNET & MULTIMEDIA SERVICES

grml.org/download/

Flavours

Flavours

- 700MB GRML_FULL
  fully loaded

grml.org/download/

Flavours

- 700MB GRML_FULL
  fully loaded
- 120MB GRML_SMALL
  very small

grml.org/download/

Flavours

- 700MB GRML_FULL
  fully loaded
- 120MB GRML_SMALL
  very small
- 220MB GRML_MEDIUM
  Ideal starting point for customization

Easy Customization “Remastering”

grml-live

grml-live

- Build- & Remastering Tool
- Automatable
- FAI-based & Classes

grml-live

grml-live

- vi /etc/grml/...
- grml-live (-b | -u)
- => grml64_custom-0.1.iso

Deployment Tools

ISO Boot Options

ISO Boot Options

- netconfig=server/config.tbz download&extract
- netscript=server/script download&execute
- hostname= / nodhcp
- debs Install debs from "debs" folder
- scripts=installme Execute scripts in “installme”
- findiso=/grml.iso Load grml.iso from your harddisk partition(s)
- fetch=$IP/grml.sqashfs Load grml.squashfs via HTTP
- ssh=password

grml.org/grml-debootstrap

grml-debootstrap

grml-debootstrap

- Wrapper around debootstrap

```
grml-debootstrap \
  --target /dev/sda3 \
  --grub /dev/sda
```

grml-debootstrap

- Wrapper around debootstrap
  grml-debootstrap \
    --target /dev/sda3 \
    --grub /dev/sda

- Boot using:
  debian2hd target=/dev/sda1
  grub=/dev/sda password=grml

grml-debootstrap

- Wrapper around debootstrap
  grml-debootstrap \
    --target /dev/sda3 \
    --grub /dev/sda

- Boot using:
  debian2hd target=/dev/sda1
  grub=/dev/sda password=grml

- Customize: /etc/debootstrap & netconfig=

grml-terminalserver

grml-terminalserver

- Easy PXE Boot quickstart

grml-terminalserver

- Easy PXE Boot quickstart
- Boot one node from CD/USB

grml-terminalserver

- Easy PXE Boot quickstart
- Boot one node from CD/USB
- Boot all others from PXE

grml-terminalserver

- Easy PXE Boot quickstart
- Boot one node from CD/USB
- Boot all others from PXE
- Supports all the boot options ...

grml.org/grml2hd

grml2hd

grml2hd

- For Non-production systems only
- Development
- Testing
- Demos & Workshops
- Remastering Quickstart

custom:

custom:

- Remaster from GRML_MEDIUM

custom:

- Remaster from GRML_MEDIUM
- Add your tools

custom:

- Remaster from GRML_MEDIUM
- Add your tools
- Add your base configuration

custom:

- Remaster from GRML_MEDIUM
- Add your tools
- Add your base configuration
- Put it on USB or PXE

custom:example

custom:example

- Remastered from GRML_MEDIUM

custom:example

- Remastered from GRML_MEDIUM
- Added hardware firmware upgrades

custom:example

- Remastered from GRML_MEDIUM
- Added hardware firmware upgrades
- Added inventory db integration (sicekit)

custom:example

- Remastered from GRML_MEDIUM
- Added hardware firmware upgrades
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- Added puppet (older version...)

custom:example

- Remastered from GRML_MEDIUM
- Added hardware firmware upgrades
- Added inventory db integration (sicekit)
- Added puppet (older version...)
- Added my base config

custom:example

- Remastered from GRML_MEDIUM
- Added hardware firmware upgrades
- Added inventory db integration (sicekit)
- Added puppet (older version...)
- Added my base config
- Put it on PXE

custom:example

- Remastered from GRML_MEDIUM
- Added hardware firmware upgrades
- Added inventory db integration (sicekit)
- Added puppet (older version...)
- Added my base config
- Put it on PXE
- Fully automated OpenVZ deployment

FAI

FAI

- Ships with fai-client & stuff

Future

Future

- RAID Config/Monitor Vendor Tools

Future

- RAID Config/Monitor Vendor Tools

- Focus on deployment

Future

- RAID Config/Monitor Vendor Tools
- Focus on deployment
- Cloud?

Help us

- grml.org/survey2011
- Send Bug Reports
- Hosting
- Test Hardware - Servers

MOAR Features

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- dd'able ISO -> USB || grml2usb

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- dd'able ISO -> USB || grml2usb
- grml-bridge & grml-vnet

MOAR Features

- dd'able ISO -> USB || grml2usb
- grml-bridge & grml-vnet
- Z-Shell

MOAR Features

- dd'able ISO -> USB || grml2usb
- grml-bridge & grml-vnet
- Z-Shell
- forensic

MOAR Features

- dd'able ISO -> USB || grml2usb
- grml-bridge & grml-vnet
- Z-Shell
- forensic
- grml-x

MOAR Features

- dd'able ISO -> USB || grml2usb
- grml-bridge & grml-vnet
- Z-Shell
- forensic
- grml-x
- Please STEAL OUR CONFIG

http://grml.org/

#grml @ FreeNode

@grmlproject