

Automated deployment using Grml



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grml.org



Scaling
Consulting

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WTF is Grml?









```
$ tar tvf config.tar.bz2  
...  
home/user/grml/.ssh/authorized_keys  
...  
etc/mcollective/server.cfg
```

```
#!/bin/sh
```

```
facter --json | curl -d@- \
    http://assetmgmt > script
```

```
# run it :-) Don't do that at home
chmod 0700 script && ./script
```







LABEL="GRMLCFG"

- config.tbz**
- scripts/grml.sh**





`netscript=http://go.gl/run.sh`



`netconfig=ftp://go.gl/config.tbz`

Examples

PXE

Grml

ssh=password

netscript=http://asset/run

Stresstest

Register

Install OS

grml-debootstrap
kickstart/preseed

Performance Testing

master: `grml-terminalserver`

`netscript=http://m.local/run` `ssh`

`grml-hostname` # random hostname
mcollective



Create customized ISOs

Grml - Live Linux for system administrators

grml64-full Standard (2013.02, amd64)

Additional boot entries for grml64-full:

Boot options for grml64-full

>

Further boot options:

Addons

>

Isolinux prompt

Boot from next boot device.



Press ENTER to boot or TAB to edit a menu entry

Grml is a Debian based Linux live
system for system administrators
and users of text tools.

<http://grml.org/>

Create customized ISOs

```
grml2iso -b "distri=sipwise" -c /tmp/grml_overlay  
        -o my-grml.iso ./grml64_2013.02.iso
```

```
$ ls /tmp/grml_overlay
```

```
...
```

```
boot/isolinux/background.png
```

```
boot/isolinux/theme.cfg
```

```
...
```

Create customized ISOs

Grml-Sipwise - The VoIP experts



Rescue system boot (20130425)

- Install sip:providerCE - DHCP
- Install sip:providerCE - static NW config
- Install sip:providerPRO - sp1
- Install sip:providerPRO - sp2

Install specific Debian releases ... >

Install specific versions of CE/PRO

- Specific sip:providerCE releases ... >
- Specific sip:providerPRO releases ... >

Further bootoptions (local/PXE boot) ... >

Press ENTER to boot or TAB to edit a menu entry

Automatic deployment system for the
Sipwise Next Generation Communication
Platform. <http://sipwise.com/>

Based on <http://grml.org/>

GRML Live & FAI

Tests







```
kvm -kernel ... -initrd ... \  
    -net nic,macaddr=$(random-mac) \  
    -net vde,socket=/tmp/switch \  
    -append "netscript...." \  
    -cdrom grml64_2013.02.iso
```



REPEAT





Automation

WTF



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jenkins-debian-glue

