Linux live (rescue boot) OSes

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**Knoppix**

From Wikipedia:

Knoppix was one of the first Live CD Linux distributions to gain popularity.[7] There are several factors that contribute to the popularity of Knoppix:

- Knoppix was one of the first Live CDs available, and is known as the "original" Debian-based Live CD
- Its extensive hardware detection allows most systems to start Knoppix without any configuration
- Its ability to automatically connect to most kinds of networks[citation needed]
- Its utilities for system repair and troubleshooting

Used by Blue Light (Charles and Sam) as an alternative to GRML.


**Usage notes**

Assuming Knoppix is being used for maintenance work on a standard Blue Light installation of Debian or Ubuntu, after Knoppix has booted and the lxde desktop appears:

1. Start a terminal session.
2. Become root (no password required):
   ```
   su -
   ```
3. Activate all the RAID arrays:
   ```
   mdadm-startall
   ```
   Reference: [http://wiki.bluelightav.org/display/BLUE/RAID+with+MDADM#RAIDwithMDADM-Startthearraysatonce](http://wiki.bluelightav.org/display/BLUE/RAID+with+MDADM#RAIDwithMDADM-Startthearraysatonce)
4. Find and activate the volume groups:
   ```
   vgscan
   vgchange --ay
   ```
   Reference: [http://wiki.bluelightav.org/display/BLUE/LVM#LVM-ActivateLVMs](http://wiki.bluelightav.org/display/BLUE/LVM#LVM-ActivateLVMs)
5. The file systems on the LVs will automatically be mounted under /media.

**GRML**

Used by Blue Light as an alternative to Crowbar.

Includes a version for i386 and amd64.

.iso available as rose:/home/share/resources/iso-images/other/grml96-full_2013.02.iso and can be downloaded from: [http://grml.org/](http://grml.org/)

**Usage notes**

At boot choose the version according to your CPU architecture

**Activate all the RAID arrays**

[http://wiki.bluelightav.org/display/BLUE/RAID+with+MDADM#RAIDwithMDADM-Startthearraysatonce](http://wiki.bluelightav.org/display/BLUE/RAID+with+MDADM#RAIDwithMDADM-Startthearraysatonce)

**Activate all the LVs**

[http://wiki.bluelightav.org/display/BLUE/LVM#LVM-ActivateLVMs](http://wiki.bluelightav.org/display/BLUE/LVM#LVM-ActivateLVMs)
Crowbar

Former rescue system used by Blue Light and developed by the other Manu. Not developed anymore and does not include some of the tools we need (LVM).

http://wiki.bluelightav.org/x/xAV8