

# Requirement Specification GeNUDetect

31. Mai 2005

## 1 Hardware requirements for GenuDetect

### 1.1 Central Server

**Processor:** Pentium IV, Hyperthreading and multi-processor possible and recommended, Xeon recommended

**RAM:** 2GB min., max. 4 GB

**Harddisk:** effective usable disk space 80GB (RAID recommended; no software RAID supported)

**NIC:** 2

**Backup media (optional):** CD writer / Streamer ( ->Linux kernel 2.6 support required)

**Floppy:** yes

**CDROM:** yes

#### 1.1.1 Supported hardware

**Harddisk:** IDE and SCSI

**CDROM:** IDE and SCSI

**NIC:** for additional information see section 1.3

**RAID controller (optional):**

- DELL AACRAID-Controller
- Mylex DAC-960
- IBM ServeRAID
- Intel ICP vortex RAID Controller

- Compaq Smart2 Array
- Adaptec I20
- 3ware Hardware ATA RAID (IDE)
- Promise SATA SX (Carmel)
- IBM Power Linux family RAID adapters (IBM pSeries 5712, 5703, 5709, 570A and IBM iSeries 5702, 5703, 5709, 570A)

**EIDE controller:**

- Promise Ultra/33; Ultra/66, Ultra/100

**Backup (optional):**

- IDE-CD-Writer
- SCSI-Tapes (DLT, ...)

**SCSI controller:**

- Western Digital 7000 SCSI host adapter family
- Adaptec AHA-1510, AHA-1520, AHA-1522, and AHA-2825
- AdvanSys SCSI host adapter
- Adaptec aic770,
- Adaptec Fast/Ultra 160 PCI based SCSI controllers
- Adaptec Ultra 320 PCI-X based SCSI controllers
- BusLogic MultiMaster and FlashPoint SCSI Host Adapters
- NCR53C8XX/SYM53C8XX family
- Initio 91XXU(W) SCSI host adapter
- Initio INI-A100U2W SCSI host adapter

**There is no support for:**

- USB
- Bluetooth

## 1.2 Sensors

**Processor:** Pentium IV, Hyperthreading and multi-processor possible, Xeon recommended

**RAM:** 1 GB min., 4 GB max.

**Harddisk:** no

**NIC:** 2 (3 when using a tap; more when using multiple taps). For additional information see section 1.3

**Floppy:** yes

**CDROM:** optional

All hardware for the Sensor has to be fully supported by Debian Linux and Linux kernel 2.6. In case of doubt, give us a call.

### 1.3 Network interface cards:

(only PCI cards)

- Intel Pro/100 (recommended)
- Intel Pro/1000 (recommended)
- Intel Pro/100 Dual (recommended)
- AdLink PCI-8213 Quad-NIC with Intel Chipset 82559 (no PXE)
- 3COM
  - Boomerang, Cyclone, Tornado, Typhoon

No onboard NICs are supported. If onboard NICs exist they have to be disabled in the BIOS. In order to boot over the network, the NIC must be able to boot by PXE. For Intel NICs, the version of the Intel Boot Agent has to be at least 4.0.22. If this is not the case, the Intel NIC must be flashed to the newest version prior to the installation. When using gigabit NICs, take care to choose a mainboard with one PCI-X slot per gigabit NIC.

### 1.4 Additional requirements

The dedicated management network requires a 100 Mbps or 1Gbps Switch.

### 1.5 Ethernet Tap vendors

**Shomiti:** [http://www.synapse.de/deutsch/d\\_shomiti\\_surveyor\\_century\\_tap.htm](http://www.synapse.de/deutsch/d_shomiti_surveyor_century_tap.htm)

**Netoptics:** <http://www.netoptics.com/>

**Comcraft:** <http://www.comcraftfr.com/>

**Network Critical:** <http://www.networkcritical.co.uk/>

The mentioned products are for information only and without responsibility.

## 2 Software

### 2.1 Browser

The following web browsers where successfully tested by GeNUA for functionality:

- Netscape: version 6 and above
- Opera: version 6 and above
- Internet Explorer: version 6 and above
- Mozilla: version 1.0 and above

The following web browsers where negatively tested:

- Netscape 3.x
- Netscape 4.x

The browser is required to support cookies and CSS <sup>1</sup> 2.0. Additional the browser has to support client certificates and https communication. JavaScript support is not required but eases some tasks.

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<sup>1</sup>Cascading Style Sheets