# Intra2net
## Technical Data

**Intra2net** Software
**Intra2net** Hardware
Compatible Products

# Intra2net Technical Data

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Further information can be found online at https://www.intra2net.com

Valid for Intra2net software version 6.12.2

Valid for Intra2net Groupware Client Version 5.0.2

# 1. Chapter - Software

## 1.1. Operating System

- The Intra2net system uses its own RPM-based Linux distribution as an operating system. It has been specifically adapted and toughened for safety.

- The Intra2net system requires stand-alone x86 hardware or a virtualized environment.

- The Linux kernel is regularly updated. The currently used version can be found by clicking the link below.

- 64-bit Linux is used. Multiple processors, cores and hyperthreading are used automatically (SMP and SMT).

- The hard drive is divided into multiple partitions: system, log files, spool area, swap, rescue system and data (emails, backup, proxy cache). The journaling file system ext4 is used. This ensures data integrity even in the event of power failure.

- Intra2net regularly releases updates (security updates and new functionality). The system downloads these cryptographically signed updates directly from Intra2net over the Internet.

## 1.2. System Services

The system services used are listed below. The version of the services used in the current Intra2net software can be found in the download area for the open source packages under

https://www.intra2net.com/en/developer/intra2net/

### 1.2.1. Network

| Firewall | iptables |
|---|---|
| VPN (IPSec) | strongswan |
| Nameserver | bind |

### 1.2.2. Email

| Mailer-Daemon | postfix |
|---|---|
| Email-Scanning | amavisd-new |
| Spamfilter | spamassassin |
| Mailserver (POP and IMAP) | cyrus-imapd |
| Viruscanner | SAVAPI SDK |
| Email Retrieval | fetchmail |
| Mailinglists | mlmmj |
| SMTP-Blocking (DNSBL) | postfwd2 |
| Webmail | Horde and IMP |

| Web-Groupware | Horde, Turba, Nag, Mnemo and Kronolith with storage backend for Kolab-XML |
|---|---|

### 1.2.3. Proxy

| Proxyserver | squid |
|---|---|
| URL-Blocklists | squidguard |
| Web-Content Filter | dansguardian |
| Proxy-Antivirus | mod_fsav (in-house development) |
| Viruscanner | SAVAPI SDK |

### 1.2.4. Other

| Webserver (Interface) | apache |
|---|---|

### 1.2.5. System

| UPS Monitoring | networkupstools (nut) |
|---|---|
| Time Adjustment | openntp |
| SSH | openssh |
| Access to backup and mail archive | samba |
| Local surveillance service | mon |
| Remote Monitoring | net-snmp |

# 2. Chapter - Compatible Products

The following is a list of a number of programs with which we can explicitly confirm their compatibility.

The Intra2net system consistently follows open Internet standards (RFCs). Therefore, all programs that also comply with these standards should usually be compatible. There are also many compatible systems that are not listed here. Our sales department will gladly help to determine the compatibility of other systems.

## 2.1. Network

| VPN-Clients | • NCP Secure Entry Client for Windows and Mac OS |
|---|---|
| | • NCP Secure Android Client Premium |
| | • Apple iPhone and iPad |
| | • Shrew Soft VPN Client for Windows |
| | • Android version 4 or higher |
| | • Mac OS X with IP Securitas |
| VPN-Router | • Zyxel ZyWALL USG |
| | • Lancom Router with IPSec VPN |

## 2.2. Email

| Client (IMAP direct) | • Microsoft Outlook up to incl. 2010 (higher versions just with the Intra2net Groupware Client) |
|---|---|
| | • Mozilla Thunderbird |
| | • Microsoft Outlook Express |
| | • Microsoft Windows Live Mail |
| | • Apple iPhone and iPad |
| Server (SMTP forwarding, recipient address verification) | • Microsoft Exchange 2007, 2010, 2013, 2016 and 2019 |
| | • IBM Lotus Domino |
| Archiving | • MailStore Server |

## 2.3. Intra2net Groupware Client

| Operating System | • Microsoft Windows 11 (64 Bit) |
|---|---|

| | |
|---|---|
| | • Microsoft Windows 10 (32 and 64 Bit with Intel x86-Platform)<br><br>• Microsoft Windows Server 2012 R2 (64 Bit)<br><br>• Microsoft Windows 8 / 8.1 (32 and 64 Bit with Intel x86-Platform)<br><br>• Microsoft Windows Server 2012 R2 (64 Bit)<br><br>• Microsoft Windows 7 (32 and 64 Bit)<br><br>• Microsoft Windows Server 2008 (32 and 64 Bit)<br><br>Operation in terminal server environments is possible. |
| Microsoft Outlook | • Microsoft Outlook 2021<br><br>• Microsoft Outlook 2019<br><br>• Microsoft Outlook 2016<br><br>• Microsoft Outlook 2013<br><br>• Microsoft Outlook 2010<br><br>• Microsoft Outlook 2007 (SP1 and later)<br><br>32- and 64-bit versions of Outlook are supported. |

# 3. Chapter - Hardware

## 3.1. Intra2net Software

Intra2net recommends installing the Intra2net software on certified complete devices or virtualization systems. In this case, long-term tests are carried out to ensure full functionality now and for future versions.

A list of certified products can be found at https://www.intra2net.com/en/support/server-systems.php.

A list of certified virtualization systems can be found at https://www.intra2net.com/en/support/virtualization-platforms.php.

Should the Intra2net software be installed on another system, the following minimum requirements apply:

- Mainboard with Intel, AMD, Nvidia or VIA chipset

- UEFI firmware with "Secure Boot" disabled

- Alternative: BIOS supporting the boot modes "Legacy BIOS" or "Compatibility Support Module" (CSM)

- CPU from Intel or AMD with at least 2 GHz

- At least 2 GB of memory

- Hard Drive with at least 40 GB of space, PATA or SATA controller on the Motherboard (for other controllers see link below)

- 2 network cards from Intel, Realtek or Broadcom

Please refer to our compatibility list at https://www.intra2net.com/en/support/hardware-components.php.