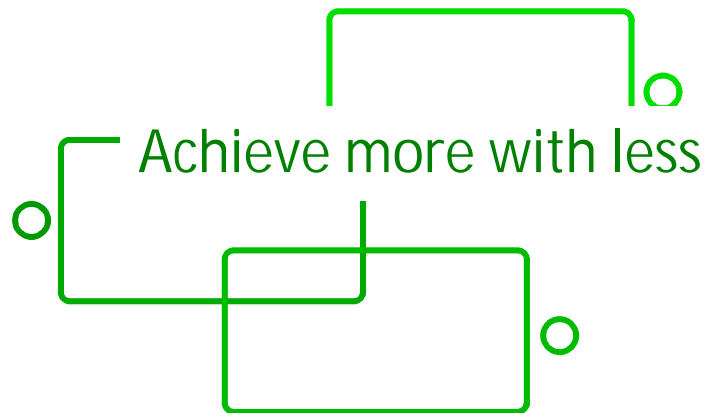# Visendo Fax Server integration with Linux

- Take full advantage of open standards advantage with reliable and versatile fax messaging capabilities -

Achieve more with less

✓ Enterprise Fax Server with Open Source Advantage for Business Fax Automation

✓ Integration with Linux

✓ Features

Visendo Fax Server takes advantage of the open source Linux operating system and its strengths in supporting a secure, fast and efficient faxing environment. Visendo Fax Server solution combined with Linux open standards enhances your business communication by seamlessly integrating efficient and powerful fax messaging capabilities into your business applications and network infrastructure.

Visendo Fax Server integrated with Linux provides a full set of integration toolkits and web-based centralized system administration capabilities, and is fully integrated with automated inbound and outbound fax archiving capabilities to support regulatory compliance and fax records management.

Short overview of Linux, SMB and Samba and integration

Linux is a multi-user, Unix-like operating system that includes a graphical user interface, an X Window System, TCP/IP, the Emacs editor, and other components typically found in a comprehensive Unix system. Open and extendible by contributors, Linux allows developers to write programs that can be ported to other operating systems.

The Server Message Block (SMB) protocol, frequently used to integrate Microsoft desktop/servers with Linux servers, allows client applications to read, create, and update files on the remote server. SMB protocol can be used to communicate with any server program that is set up to receive an SMB client request. Using the SMB protocol, an application (or the user of an application) can access files at a remote server as well as other resources, including printers, mail-slots, and named pipes.
Microsoft Windows operating systems since Windows 95 include client and server offer SMB protocol support. For Linux and Unix systems, a shareware SMB program, Samba, is available.

Samba is a suite of programs, allowing UNIX-based operating systems to provide SMB service on top of NetBIOS over TCP/IP. SMB is a very robust protocol, which allows the client to recover in case of a loss of connection to the server.
Visendo has long used the SMB protocol to connect to Microsoft networks. This same protocols is now used to allow the Visendo Fax Server to connect to a Linux server.
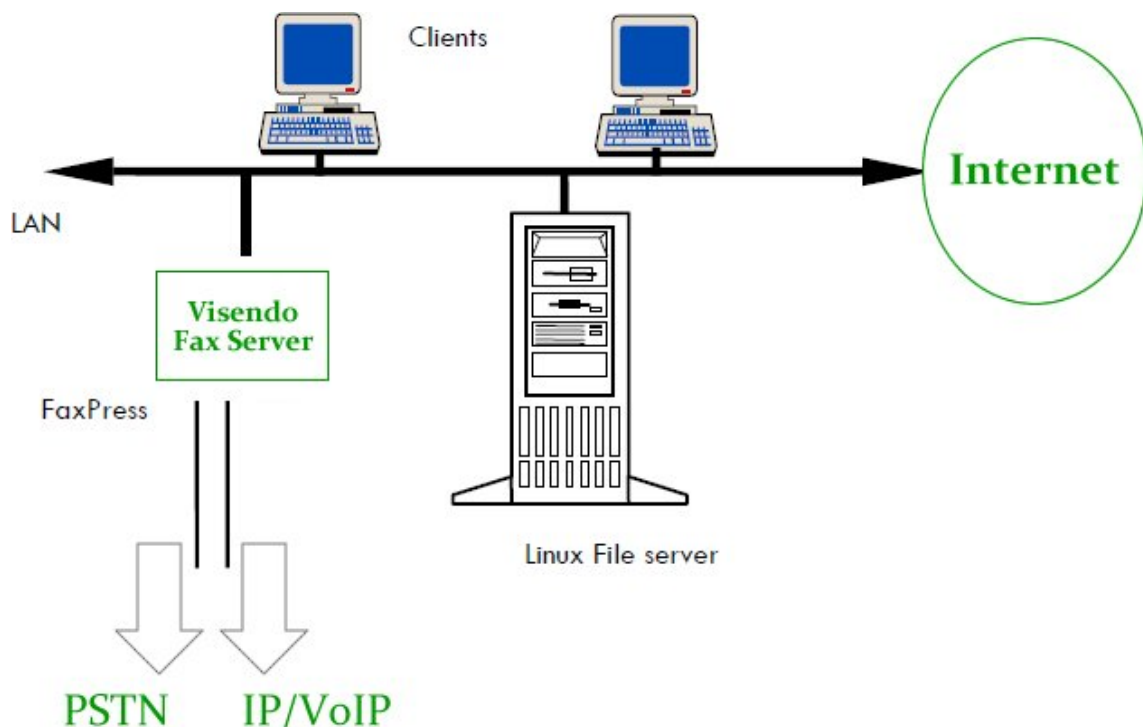
About Linux

Visendo Fax Server Integration on Linux

Sending faxes and emails from Linux requires a prior installation of the fax server on a Windows based system connected to a TCP/IP network. The fax server can be accessed like a normal network printer through the LPD/LPR protocol from Unix/Linux in that case. As an alternative it would also be possible to send fax jobs through a Samba or NFS printer as well as sending fax files through a shared directory or with FTP or TFTP.

Linux provides a stable platform for Visendo Fax Server, with minimal configuration required. The server-side Visendo- Linux integration procedure is defined for RedHat Linux x.x based on Linux Kernel x.x using SMB support provided by Samba version 2.0.3.

In order for the Visendo Fax Server to work with Linux, it must be connected to the same segment as the Linux file server. Both the Linux server and Visendo Fax Server must also be assigned a static IP address. Samba must be installed and functional on your Linux server, and the Windows clients must be able to login to the Linux server.

Visendo Fax Server integration with Linux procedures

Visendo Fax Server and Linux Integration Procedures
Linux provides a stable platform for Visendo Fax Server server, with minimal configuration required. The server-side Visendo Fax Server Linux integration procedure is defined for RedHat Linux 6.0 based on Linux Kernel 2.2 using SMB support
provided by Samba version 2.0.3. Although this procedure should work with other distributions and more recent
versions of Linux, Visendo Fax Server is currently only certified to run under RedHat 6.0 and Samba 2.0.3.
In order for the Visendo Fax Server to work with Linux, it must be connected to the same segment as the Linux file server. Both
the Linux server and the Visendo Fax Server server must also be assigned a static IP address. Samba must be installed and
functional on your Linux server, and the Windows clients must be able to login to the Linux server.
The Visendo Fax Server setup for Linux involves two steps: First, an intelligent Linux server installation script automates the Linux
configuration. (This configuration may also be performed manually.) Next, on a Windows 98/Me, NT or 2000
workstation, a Microsoft Windows verification and Visendo Fax Server server software setup is run from the Visendo Fax Server 8.x CD.

Visendo Fax Server on Linux Features

After integration, Visendo Fax Server becomes extremely flexible yielding advanced features.
Here's a list with the capabilities of Visendo Fax Server within a Linux configuration

• Scalable, high performance system architecture
• Windows Fax Client with Print2Fax integration of Windows desktop applications
• No lost or incomplete fax due to server or network failure during incoming fax session
• Automated fax-back confirmation to the sender for high value fax transactions
• Comprehensive Fax API and integration toolkits
• Server based rendering of Microsoft Office and ODF documents

• Fax data managed in a relational database
• Fax status notification via e-mail
• Flexible configuration and load balancing among multiple servers and modem gateways
• Integration with SMTP e-mail, and Lotus Domino on Linux using Domino Linux API
• Automatic inbound fax routing to e-mail inbox, network printer or multiple users
• Inbound Routing support via DID, DTMF, DNIS, ANI, Fax port or manual routing
• Global phone number dialing rule support
• Least cost routing (LCR) over any IP network to bypass long distance phone charges

Features

- Real-time T.38 fax over IP (FoIP) support
- Retransmission of failed pages
- Full support of global PSTN connectivity- Analog, Digital T1/E1 and ISDN

About Visendo

We are an Independent Software Vendor (ISV) specialized in internet systems integration on Microsoft technologies. We have always been one of the top 3 companies on the markets we entered. We were one of the first three Microsoft gold partners in e-commerce on the German market: this is the highest level for a Microsoft partner. Hence, you, as a potential customer, will benefit on our experience and quality of services that guarantees your investment.

For further information, please visit us on:website:
http://www.visendo.com, Product downloads

Blog: http://www.blog.visendo.com

Linkedin, Twitter , Facebook

Did you find this paper useful? Give us feedback NOW!