



frontierTM
E - M A I L G A T E W A Y





Introducing Frontier

FRONTIER is an innovative E-mail gateway solution enabling customers to operate their own E-mail server over dynamically-addressed low-cost connections such as ADSL. Typically, this is not recommended by industry specialists for numerous reasons, a few of them being:

Dynamically assigned IP addresses are prone to being blacklisted on anti-spam vigilante repositories and mail servers using those blacklists will reject messages originating from those blacklisted addresses.

When using a dynamic DNS service to map a IP address to a hostname, there is usually a little delay before your hostname is updated, after an IP address changes. During this delay, incoming messages will reach a possibly rogue SMTP service which may catch sensitive messages.

Spam filtering mechanisms usually assign a higher spam score to messages that are sent from a dynamic IP.

Frontier Technical Description

TuxLab has come up with a solution based on Open Source components that delivers mail to your mail server over a Virtual Private Network. Because Frontier operates at the network level, the system is compatible with any SMTP-conversant E-mail system, such as Microsoft Exchange, Stalker Communicate, Postfix, sendmail, qmail etc.

The VPN component of the setup, being an Open Source implementation, is compatible with Linux, Microsoft Windows (2000/XP)

and higher, OpenBSD, FreeBSD, NetBSD, Mac OS X, and Solaris!

Once your system is subscribed to TuxLab's Frontier gateway, a VPN session is established to our dedicated server operating in a datacenter abroad. Incoming messages for your domain/s will be received by the Frontier server which will process messages, before delivering it to your server, over a SSL-secured VPN link.

Advantages

SMEs can operate their own mail server solution in-house, without the need to subscribe to costly, dedicated links with their ISP.

Together with the Nethrino UTM Firewall appliance from TuxLab, two DSL lines may provide Internet connectivity to a business. One for users and one dedicated to the mail service.

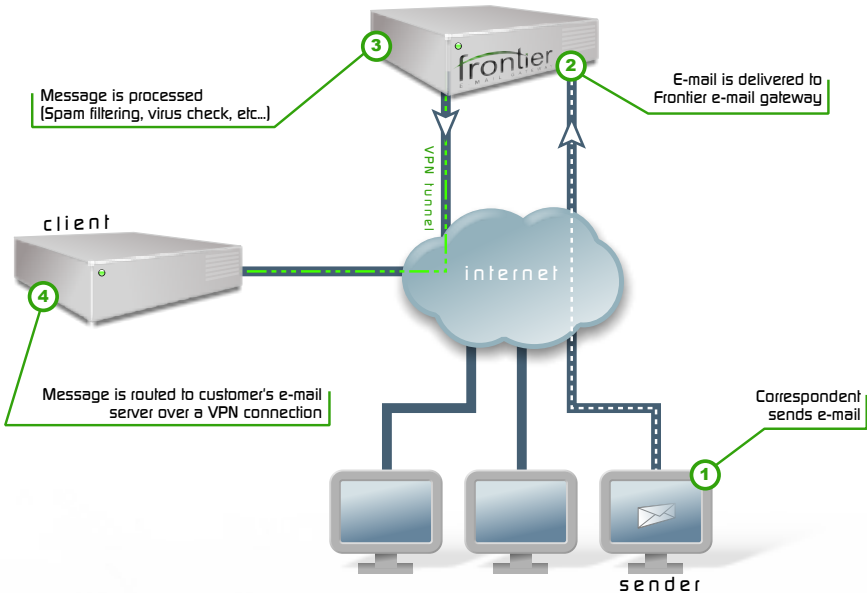
No licensing costs. A flat rate for each server connected to Frontier, meaning you may have large numbers of mailboxes/domains on your server.

Optional, highly-configurable E-mail filtering capabilities.

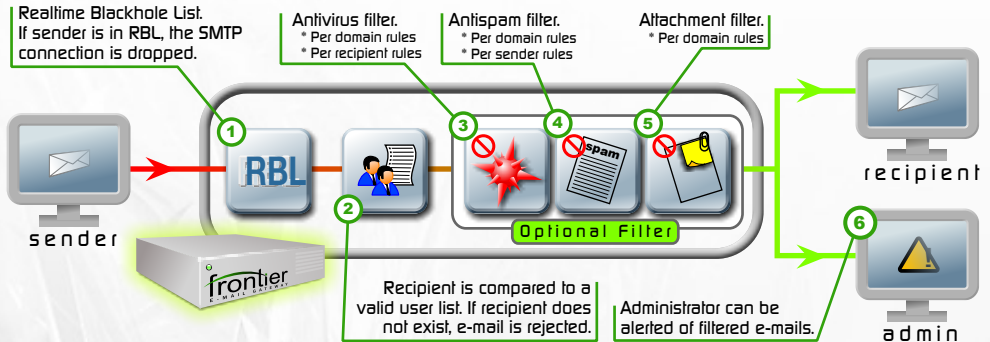
Frontier uses an open source anti-virus implementation which has a huge signature database and constantly growing!

Administrator notification of message delivery status. If a hazardous message is blocked or delivered, a message can be dispatched to a postmaster.

Network Diagram



Message Filter Flow



About TuxLab Ltd.

TuxLab Ltd (Ex Jenna Productions) is a Mauritian company providing software and server networking solutions based on open source technologies since 2004. The Nethrino UTM Firewall (<http://www.nethrino.net>), product of TuxLab Ltd, has been launched in 2006 and is operational in some of the leading companies in the hospitality, advertising, press, BPO, education sectors.

Other services encompassing Business Process Outsourcing and consulting can be provided by the company.



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