

# **Detailed Features &** Supported Platforms





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This document presents all Axigen features that may be activated or not depending on the product Edition. See compare editions link in www.axigen.com for more details.

#### **ADMINISTRATION: WEB BASED, COMMAND LINE**

# Remote server administration

Server administration can be performed either remotely or from the local netework, using a secure connection to the Web Administration Console or using the Command Line interface, for lower bandwidth connections

# Automated operations

Recurrent operations (inactive accout deletion, storage compacting or any other administrative command) can be automated by using scripts that run the actions through the CLI

# Services availability per account

Enable or disable specific sets of services (IMAP, POP3, WebMail, RPOP, a.s.o.) in order to differentiate end-user service levels

# User groups

Send messages to predefined groups of email addresses (e.g. sales@yourdomain.com, support@yourdomain.com)

# Random Password generation for new accounts

# Secure Password Enforcement

Define password strength policies (minimum password length, required sets of characters and so on), restricting the users from setting simple passwords

#### > Automatic creation of accounts from LDAP

#### > Overquota notifications

Configure mailbox quota usage thresholds for notifications via email or webmail popups

#### Delay the delivery of selected messages

Selectively postpone the delivery of specific messages; for instance delay with 10 minutes messages from the sales department in order to avoid accidental sending (those messages can be removed from the queue) or postpone delivery of lower importance messages for night-time. This feature can be applied for messages from specific sender and sender domains, recpient and recipient domains, message sizes and so on

# **ACCOUNT CLASSES**

# Configuration groups

Create groups of users that share the same set of settings, such as service availability, mailbox usage quotas or antivirus / antispam scanning. Account classes also allow applying default domain settings as well as account-specific exceptions

#### Restrictions for sending / receiving messages

Restrictions for sending to specific recipient addresses or receiving from specific sender addresses can now be defined. These restrictions can be set as a policy for an entire domain, for an account class or for specific accounts.

# > Dynamic configuration inheritance

Changes to domain-wide settings or account classes are instantly propagated to all accounts

# Multiple administrative users

# Groups for simplified management

# > Server level permissions

Fine-grained control delegated administrators' access level by setting specific server-level permissions like: manage server configuration, manage services, manage backup, manage reporting, manage delegated administration etc

# Domain / subdomain level permissions

Domain administrators may have full permissions for a domain or a limited set, such as: manage accounts, manage groups, manage public folders or manage filters. The same permissions may be granted on a sub-domain level.

#### > Domain / subdomain level restrictions

Limit the maximum number of users, maximum quota per user, etc that a domain administrator may use for a specific domain. The same restrictions may be enforced on a sub-domain level.

# Subdomain administration

All the permissions and limitations set on domain level are automatically used when creating sub-domains that can further be administered as standalone domains. The server administrator can enforce the maximum number of sub-domains that a domain administrator is allowed to create.

# Delegated backup

Delegated administrators may download backups of their domains

# **QUEUE MANAGEMENT**

#### Queue management

Inspect the content of the queue, applying filters based on origiator, recipient(s), message size, f ailure reason and so on. Specific actions such as delete, retry or send NDR can be performed on selected items

#### Virtual queues

AXIGEN maintains an availability status for each destination domain, avoiding repeated delivery retries to unresponsive domains

#### > Cached queue / Hashed structure

The disk structure of the queue is optimized for fast message access, even if a large number of messages exist in the queue. AXIGEN also retains memory-cached queue items that are to be soon delivered

# Retry policies

Configure the delivery retry schedule, based on sender domain, recipient domain or other message parameters

# **ROUTING POLICIES**

# Built in DNS Cache

#### Virtual Routing

With the virtual routing capabilities, system administrators can assign different outbound IP addresses to each domain

# **REPORTING AND STATISTICS**

#### Server & traffic statistics

Monitor system load, connected users and sessions for each service, message queue size, average times spent executing service commands, values of inbound and outbound traffic counters etc. in order to obtain an overview of the server's health and activity

#### Data collection and export

The increased granularity of the reporting service allows system administrators to easily generate charts and reports at server level, for a specific domain (useful for Service Providers monitoring multiple domains and required to provide reports for each customer) or even for specific users in special cases. Collected data can be aggregated in charts or exported in XML or CSV formats

#### Graphic charts

All collected data can be represented in a graphical chart, using different types (bars, lines, etc), colours and outlines for differentiation. More than one parameter can be represented on the same chart, to facilitate the comparison between them. In most frequent cases, the selected interval has more collected values than can be displayed on the chart; aggregation functions such as average, max, min, etc can be applied to allow relevant representations. Once a chart has been generated, the zooming option can be used in order to drill down within a selected interval to analyze the event of interest

#### Detailed storage reports

Inspect storage utilization for each domain, as an overview or in details, for each element of the storage (domain objects, account storage and messages). Delegated administrators may also inspect storage utilization information, if they are granted permission to do so

# SNMP Service

Monitor server running parameters in real-time using standard SNMP monitoring systems

#### LOG SERVER

- Multiple log levels
- Per service log files

#### Remote log collection

All AXIGEN services are capable of logging either locally or through the network; the logging module will collect log entries received from the network, allowing the administrator to have a dedicated logging server

# STORAGE

#### Indexed data structure

Ensures an optimal balance between the space used for storing indexes and the time to access information by introducing multiple levels of indexes depending on how often information is accessed

#### Transactional access

Provides structural integrity for the stored information by performing transactional data access

#### Expandable storage

The administrator can add subsequent storage units to one domain, thus increasing the available space

#### Single storage of emails with multiple recipients

Only one copy of a message received by multiple recipients is stored (particularly useful for distribution lists and groups)

#### Repairing corrupted accounts

If an account's data becomes corrupted (due to, for instance, disk failure), AXIGEN allows the administrator to attempt account data recovery

#### Storage overload prevention

Ensured by limiting allowed message sizes according to specific policies based on multiple message or connection parameters

#### Domain Renaming

#### **USER OPTIONS**

#### Ajax WebMail Interface

The Ajax-powered WebMail Interface provides users with a desktoplike experience. Keyboard nagivation and shortcuts, drag-and-drop, "Live" email list view, frequent folders, all these intuitive features render email related tasks effective and pain-free.

#### Standard WebMail Interface (localized & brandable)

#### Mobile WebMail

Access your email account from mobile phones with Internet connectivity to check your emails, compose messages, give others permissions on your folders or download attachments

#### Personal Organizer

Calendar, Journal, Tasks, Notes

#### Address Book (Contacts, Groups and Distribution Lists)

The address book features personal contacts, public contacts (domain-admin defined) and email addresses of all accounts in the same domain. Distribution lists (user-defined groups of contacts and other email addresses) can also be accessed from the address book.

#### RPOP (Remote POP Connections)

Users may retrieve messages from other email services (such as Gmail, Yahoo or any POP3 enabled service) in the mailbox, in specific folders

# Rules & Filters

Outlook-like Rules & Filters such as 'Move to folder', 'Delete', 'Forward' and others are available in the WebMail interface

# Multiple languages and skins

The WebMail interface is provided in over 20 languages; the user may choose any of the available languages and one of the predefined skins, changing the WebMail's look and feel

# WebMail message printing

WebMail users can take advantage of the buit-in print function that will automatically reshape the message in a printer-friendly form before sending it to the printer. Moreover, multiple messages can be selected for printing in a single operation

# Out-of-office messages

Personalized auto-reply messages can be defined by the user from WebMail, selectively for internal (local domain) or external senders

# Account Aliases

# Individual blacklists

Each user may define his / her own list of email addresses from which emails will be deleted

# Personalized user signature

# > Access the same PIM via WebMail or Outlook

The same Contacts and Calendar (Events, Tasks, Notes and Journal) entries are viewable from both Outlook Connector and WebMail interface

#### Overquota notifications

Users are notified when mailbox usage is close to quota or when the quota is exceeded through messages and WebMail popups

#### Request temporary email addresses (aliases)

Users can request a one or more random temporary aliases for use when subscribing to public sites, in order to avoid spam; temporary email addresses expire after the time period defined by the administrator.

# MOBILITY

#### Push Email & PIM Syncronization

The built-in Microsoft® Exchange ActiveSync® support for mobile devices. The Push email technology and synchronization of Contacts/Calendar/Tasks provides road-warriors with instant access to mission critical information such as messages, contacts or appointments.

#### Blackberry® Support

The NotifySync<sup>™</sup> solution for BlackBerry® smart phones complements Axigen Mail Server's range of already supported mobile devices. It provides organizations of all sizes with two-way, over-the-air synchronization of email messages, contact data, calendar entries or tasks lists.

# Mobile WebMail

The Mobile WebMail interface enables users to access their WebMail account from mobile phones with Internet access to check their emails, compose messages, download attachments and much more.

# **SECURITY / ANTIVIRUS / ANTISPAM**

- AVG Antivirus and AntiSpam for Linux/FreeBSD (addon)
- Commtouch Real Time AntiSpam Protection (add-on)
- Content filtering (score based) & Bayesian filtering (through the included SpamAssasin)

# Direct integration with AntiVirus & AntiSpam applications

Native connectors for AV / AS filtering for selected applications are available, providing faster and more controllable filtering (specific actions on suspicious messages or messages that cannot be cleaned can be defined by the administrator)

# Integration through MILTER with AntiVirus & AntiSpam applications

AXIGEN provides a Milter interface thus allowing virually any Miltercapable antivirus or antispam application to be used

# Interface for antivirus, antispam, third party, custom made filters

AXIGEN's Filtering Interface allows interoperability with an external, third party application, such as Antivirus, Antispam, Content Filtering or Billing

# > Support for combining multiple antivirus products

The filtering system can use one or more antivirus and antispam filters, in an administrator defined order, so that a higher degree of security is achieved

# Server, domain and user level filters

Specific sets of filters can be configured for each domain or even for selected accounts in order to differentiate security policies

#### Anti-Impersonation

Enforce user authentication on message submission and verify that the sender header matches the authentication credentials preventing impersonation attempts from local accounts

# > Access Control / Whitelisting / Blacklisting

#### Email addresses whitelisting / blacklisting

#### Country Filtering

Determine geographic locations based on IPs and create rules accordingly, such as banning or allowing emails sent from the selected countries

# Restrict maximum simultaneous connections

Restrict the total number of simultaneous connections that a service may accept, the maximum number of simultaneous connection accepted from the same IP address in order to avoid attacks from a single IP. Additionally, privileged IP address groups (trusted servers) may have different connection limits policies

# Restrict maximum incoming connections rate

Restrict the total number of connection per time unit that a service may accept, the maximum number of connection per time unit accepted from the same IP address in order to avoid attacks from a single IP. Additionally, privileged IP address groups (trusted servers) may have different connection rate limits policies

# > Selectively restrict maximum messages size

The server can be configured to accept different maximum messages sizes based on sender/sender domain, recipient/recipient domain, remote IP address, connection security, authentication level and other message or connection related parameters, ensuring a flexible protection for the queue and the storage (privileged users may have extended rights)

- SMTP Peer reverse DNS Lookup validation
- > Originating domain MX validation
- Sender Validation SPF (Sender Policy Framework) AXIGEN implements a standard-based SPF verification module for sender validation (if the remote domain is properly configured with SPF information)
- Open Relay Blocking (ESMTP APOP, AUTH login, CRAM-MD5, PLAIN authentication)

# Message integrity validation - DomainKeys compliant

The messages' integrity may be checked if the originating server used DomainKeys to sign them; locally-originated messages may be signed by AXIGEN to allow validation by DomainKeys-compliant remote servers (Yahoo associates a higher spam score to unsigned messages)

# Encryption policies (SSL / TLS)

Attempt or force connection level security

# Authentication (CRAM-MD5, PLAIN, LOGIN, GSSAPI, DIGEST-MD5)

Authentication for specific sources or destination domains

# > SASL Authentication Support

#### Security policies

Support corporate governance rules or different service levels for users

# > Secure passwords enforcement

Define password strength policies (minimum password length, required sets of characters and so on), restricting the users from setting simple passwords

Message and connection parameters for security policies (message size, anti-impersonation, SPF, access control, email address blacklisting / whitelisting, DNS checks, open relay blocking, etc):

- Originating host's IP, ports, greeting
- Originator's email address, domain or username
- Recipient email address, routing information
- Message size, headers, number of recipients
- Connection security level (SSL / non-SSL)
- Authentication information

- Session statistics (total mails sent, total size)
- SPF interrogation result; etc

# EMAIL SMTP SERVER

- Extended SMTP support
- SMTP routing
- Activity logging
- Encryption support
- > Authentication support

# > Access Control / Whitelisting / Blacklisting

Define IP access control rules (allow / deny) on POP3 service level. If more granular access control is required, rules can also be defined on each listener of the POP3 service. Rules may reffer to unique IPs, IP ranges or IP / Netmasks

# Usage restrictions

Selectively allow specific users to submit messages via SMTP, alternatively or in conjunction with WebMail-only usage

# Connection control

The SMTP service supports specific simultaneous connections and connection rates limits, allowing the administrator to adapt to the specific SMTP usage scenarios

# Message Acceptance Policies

Reject messages sent by impersonated users (unauthenticated users or messages where the sender header differs from the authentication credentials), messages coming from blacklisted IPs, messages that fail SPF or DomainKeys verification etc. Accept messages coming from trusted sources or through secure connections. Selectively restrict maximum message size, maximum number of relay servers an incoming message passed through etc

# Message delivery retries

Control the maximum number of delivery retries and the delivery retry intervals. Define the subject and body of the temporary or final non-delivery reports per server or selectively per sender or recipient domain

#### Routing policies

Define outbound routes (relay servers), globally or per destination domain as well as outbound connection security parameters (SSL / TLS connections, SMTP authentication etc.)

#### Message appender

# > Management of incorrectly folded email headers

AXIGEN can be configured to accept and fix incorrectly formatted inbound messages (having malformed headers)

# **POP EMAIL ACCESS**

- APOP authentication
- Activity logging
- Encryption support
- Authentication support

#### Access Control; IP Whitelisting / Blacklisting

Define IP access control rules (allow / deny) on POP3 service level. If more granular access control is required, rules can also be defined on each listener of the POP3 service. Rules may reffer to unique IPs, IP ranges or IP / Netmasks

#### Usage Restrictions

Selectively allow specific users to retrieve messages via POP3, alternatively or in conjunction with WebMail-only usage

#### Connection control

The POP3 service supports specific simultaneous connections and connection rates limits, allowing the administrator to adapt to the specific POP3 usage scenarios

#### Sub-folder support

Extending the standard POP3 protocol, AXIGEN's POP3 service allows users to access subfolders by logging in with 'user+subfolder' instead of plain 'user'

#### **IMAP EMAIL ACCESS**

# IDLE Support

AXIGEN will notify IMAP clients when new messages arrive in specified folders, avoiding repeated polling that overloads the network

# Activity logging

Encryption support

# Authentication support

#### Access control; IP Whitelisting / Blacklisting

Define IP access control rules (allow / deny) on IMAP service level. If more granular access control is required, rules can also be defined on each listener of the IMAP service. Rules may reffer to unique IPs, IP ranges or IP / Netmasks

#### Usage restrictions

Selectively allow specific users to retrieve messages via IMAP, alternatively or in conjunction with WebMail-only usage

#### Connection control

The IMAP service supports specific simultaneous connections and connection rates limits, allowing the administrator to adapt to the specific IMAP usage scenarios

# Public Folders

#### > Internationalized search

IMAP clients can use special local characters when searching messages

# **WEBMAIL ACCESS**

- Drag-and-drop functionality
- Dynamic loading / "Refreshless" updates
- Keyboard navigation and shortcuts
- Smart attachment management

#### > Service levels for basic and premium users

Administrators can offer different services for specific accounts (access to WebMail & mobility, exposure to advertising etc.) or set restrictions (maximum number of attachments, maximum attachment size, maximum number of recipients, etc), thus differentiating between basic and premium users

#### Built-in HTTP server

The WebMail interface is provided through AXIGEN's proprietary HTTP server, increasing the overall security and reliability of the system. Moreover, data is accessed directly from the storage and messages are injected directly in the queue resulting in smaller response times for the WebMail service

#### Re-branding support through server-side templates

The graphic design and general layout of the WebMail interface an be modified to accommodate the specific customer's brand and usage requirements

Activity logging

#### Encryption support

# Access control; IP Whitelisting / Blacklisting

Define IP access control rules (allow / deny) on WebMail service level. If more granular access control is required, rules can also be defined on each listener of the WebMail service. Rules may reffer to unique IPs, IP ranges or IP / Netmasks

#### Usage restrictions

Selectively allow specific users to access the mailbox through the WebMail interface, alternatively or in conjunction with IMAP / POP3 usage

#### Connection control

The WebMail service supports specific simultaneous connections and connection rates limits, allowing the administrator to adapt to the specific WebMail usage scenarios

#### Available in over 20 languages

#### Multiple skins

The user may choose any of the predefined skins, changing the look and feel of the WebMail interface

- > Multi-level folder management
- > Virtual domains support
- > Domain specific WebMail templates
- Read Receipts
- Rules and Filter Outlook-like
- Out-of-office automatic replies

Personalized auto-reply messages can be defined by the user from WebMail, selectively for internal (local domain) or external senders

# > Internationalized search

Users can type special local characters when searching messages

- Preview pane
- Public Folders

# Personalized user signature

# User-level blacklist

Each user may define his/her own list of email addresses from which emails will be deleted

#### ➢ RPOP

Users may retrieve messages from other email services (such as Gmail, Yahoo or any POP3 enabled service) in the mailbox, in specific folders

# RPOP Templates for Yahoo! and Gmail

Simplified RPOP settings for retrieving messages from your Yahoo! or Gmail account in your AXIGEN Inbox

# Image attachments viewer

Image attachements can be browsed directly in the preview pane of the WebMail interface

# HTML filtering

Eliminate malware contained in HTML messsages by filtering hidden scripts

#### Overquota notifications

Users are notified when mailbox usage is close to quota or when the quota is exceeded through via messages and WebMail popups

# HTML Composer

Use rich-text styles such as bold, italic, underline, strikeout, different font faces and font sizes, colors and so on when composing or replying to email messages

# Address Book

Personal contacts, public contacts (domain-admin defined) and email addresses of the accounts in the same domain are available in the address book

# WEB PERSONAL ORGANIZER

- Calendar
- Meeting requests
- 🕨 Tasks, assign tasks
- Notes
- Journal

# Address Book

Personal contacts, public contacts (domain-admin defined) and email addresses of the accounts in the same domain are available in the address book

# Search folders

Users can create virtual folders containing messages that match a specific search criterion ('large messages', 'unread messages', 'messages sent only to me', etc)

# **SHARED FOLDERS & PERMISSIONS**

# Shared folders

Users can share their personal folders by granting permissions (read, write, delete, etc) or predefined sets of permissions (viewer, contributor, editor, master) to other users/groups in the same domain

# Permissions on Calendar, Contacts, Tasks, Notes and Journal folders

Special folders can also be shared to other users by setting appropriate permissions

# > Permissions on Public Folders

The postmaster can control access to public folders, restricting groups or specific users from performing actions on defined public folders (read, insert or delete messages). Public folder permissions also facilitate allocation of shared resources such as meeting rooms or projectors by creating a dedicated public calendar folder

#### > Permission inheritance over the folder tree

A set of permissions applied to one folder may be inherited to all subfolders (all subsequent changes will automatically apply the entire structure). Additionally, exceptions to this set of permissions may be defined to a specific subfolder or even an entire branch. For instance, one user can grant full permissions on his mailbox to a co-worker except for one 'secret' folder

# Permissions on group hierarchy

A user group may be granted permissions on specific folders. Every new added member inherits the complete permissions set. Any change in the permission set for the group is automatically applied to all members. Additionally, exceptions may be defined for specific users or groups. For instance, you can apply a set of permissions to the 'Sales' group; each new member will have the same permissions; additional permissions can be added to the team leader

# Send emails on behalf of other users

A user can delegate the right to send messages in his name to a co-worker in the same domain. If anti-impersonation is enabled, AXIGEN will forbid sending emails as another user (altering the From' header). Granting the 'Send mail as' permission will allow the co-worker to send emails on behalf of the user, still maintaining the anti-impersonation enforcement to the whole server

# Free-Busy information from other users

When requesting a meeting, consult the calendar of other attendees in order to check their availability

# Domain Address Book restrictions

The postmaster of a domain is able to restrict the access to the Domain Address Book for a specific set of users, if needed

# **OUTLOOK CONNECTOR**

#### Offline Mode

While performing their daily tasks, users no longer depend on being connected to the network in order to access their messages, contacts, calendars or tasks from the Microsoft Outlook email client. All changes performed in offline mode are automatically synchronized with AXIGEN Mail Server once the access to Internet is restored, while also enabling the sending of messages from the Outbox folder.

- Improved search and mail access speed
- Read Receipts
- > Per-folder synchronization levels
- Public Folders
- Calendar
- Meeting requests
- Tasks, assign tasks
- Notes
- Journal

# Address Book

Personal contacts, public contacts (domain-admin defined) and email addresses of the accounts in the same domain are available in the address book

# VNICODE support

# Search folders

Users can create virtual folders containing messages that match a specific search criterion ('large messages', 'unread messages', 'messages sent only to me', etc)

# **MAILING LIST SERVER**

Email based subscribing and unsubscribing

# Search folders

Create private or public mailing lists by requiring subscription approval or allowing unapproved members

- Posting moderation
- > Activity logging
- > Configure list subject prefix
- > Expandable templates for body begin, body end

# > Access to mailing list archive through WebMail

The mailing list owner can login using the WebMail interface in order to perform tasks like message list moderation, review mailing list archive and others

# **CLUSTERING SUPPORT**

# Multi-tier setup (front-end & back-end)

Separates services (such as SMTP / IMAP / POP3, etc) on different tiers to enhance the overall security of the system and to provide service high availability

# LDAP authentication and routing

Store account passwords and routing information in a central point to support the multi-tier setup

# SMTP routing to back-end

Deliver messages received by the front-end tier to the appropriate back-end server (depending on LDAP recipient information)

# POP3 / IMAP WebMail Proxy

Distribute mailboxes on multiple AXIGEN back-end servers and use separate front-end proxies to route POP3 / IMAP / WebMail connections to the appropriate back-end server

#### RH Cluster Suite integration

# **UPGRADE**

# > Seamless upgrade from previous versions

Storage content is automatically upgraded from the previous version on the first run

# **MIGRATION TOOLS (IMAP BASED)**

Manual account migration over IMAP

# Automatic, transparent accounts & messages migration

AXIGEN provides a dedicated engine that ensures an automatic and transparent migration process. Thus, all domains, accounts and mailboxes from any legacy mail server can be easily migrated to AXIGEN via IMAP, without service interruptions

# **BACKUP AND RESTORE**

#### Online backup of accounts and messages

Administrators can download domain configuration, accounts and messages using AXIGEN's built-in backup and restore service. Thus, domain-level, account level or even folder-level data backups can be performed

# Full or partial restore

Using AXIGEN's built-in backup and restore service administrators can restore full domains' information, a specific account or even a specific folder of an account

# Delegated backup

Delegated administrators may download backups of their domains

# SERVER INFRASTRUCTURE FEATURES

# Innovative architecture with integrated services (SMTP / IMAP / POP / WebMail)

Centrally manage the configuration for all the services through the WebAdmin or CLI. Services inter-operate nativelly, ensuring faster access and proper resource-access locking; thus, simultaneous access via different services may be performed without risking data corruption

- > MPA (MultiPlatform Architecture)
- Multi-threaded mail engine
- Allow concurrent user access to resources

# RFC Compliance

AXIGEN services are implemented in conformance with industry standards (RFC, Internet drafts) providing a higher degree of interoperability with clients and other email servers

# **INTEGRATION**

# API for external filtering

Full documentation is provided for AXIGEN's external filtering interface, allowing customers to integrate their own external filtering modules with the AXIGEN server. Thus, interoperability with third party applications such as content filtering or billing systems can be obtained

#### > Templates for WebMail interface customization

AXIGEN's WebMail interface is dynamically generated using HSP server-side templates. Customers may extend the provided templates design a completely new template set obtaining the desired WebMail interface look and feel

# External LDAP authentication

#### External Active Directory authentication

All AXIGEN services can use Kerberos tickets generated by Active Directory to perform user authorization, provided the mail client supports it (e.g. Mozilla Thunderbird, Novell Evolution)

# **OpenLDAP / ACTIVE DIRECTORY INTEGRATION**

- Accounts & Groups Synchronization
- LDAP authentication
- LDAP based routing

# AXIGEN SUPPORTED PLATFORMS

# **Microsoft Windows**

- > Windows Server 2003
- > Windows Server 2008

# Linux (x86 32-bit)

- RedHat Enterprise: 5, 4
- **Fedora:** 11, 10
- **SUSE:** 11.1, 11.0, 10.3, SLES 10
- **CentOS:** 5.x, 4.x
- Gentoo: 2008.0, 2007.0
- **Ubuntu:** 9.04, 8.10, 8.04
- **Debian:** 5.0, 4.0
- Mandriva: 2009.1, 2009.0, 2008.1, CS4
- Slackware: 12.2

# Linux (PPC)

Fedora: 8

# BSD (x86 32-bit)

- FreeBSD: 7.x, 6.x
- OpenBSD: 4.5, 4.4
- > NetBSD: 5.0, 4.0

# Solaris

- > Solaris x86: 10
- > Solaris SPARC: 10

# PPC

Fedora: 8

# **Contact info**

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