

المواصفات الفنية الخاصة بالمناقصة العامة

رقم المناقصة : (٢٠١١/٣٠)

الخاصة بشراء وتوريد وتركيب وتشغيل نظام البريد

الإلكتروني مع التدريب

المؤسسة العامة للاتصالات السلكية واللاسلكية

الإدارة العامة للمشتريات والمخازن

إدارة المشتريات - قسم العقود والمناقصات

Email solution requirements

General Features	
	Unlimited Users and domains.
	200,000 active Users, 500 MB / User
	High performance and scalability
	Extensive security features
	Scalable, robust and extensible messaging components
	Extensive industry standards support
	Application programming interfaces (APIs) with well-documentation
	Built in Firewall & Proxy
	SMTP, POP3 and IMAP
	Embedded Antivirus
	Embedded Antispam
	Clustered system with separated SMTP & POP3 Servers.
	Push email & PIM Synchronization & SMS Alert.
	External Storage with high performance.
	Multi-clustering System
	Multi Server Support WAN area.
	Multiple client support including Microsoft Outlook, Mozilla Thunderbird, and Evolution
	Multiple operating systems (UNIX, Linux).
	Group Calendar and scheduling.
	Database Backend
	Mobile WebMail & Blackberry Support
	Support IPv6
	Migration tools
	Instant messaging server.
	Web based IM (instant messaging) with voice.
	Voice mail
	Backup solution
	Additional features
Web client Interface	Ajax and Standard WebMail Interface (localized & brandable)
	Support most common browsers
	SSL login
	Multiple skin
	Multiple language includes (English, Arabic)
	Remember Password question.
	On-line sign up
Web Mail	Drag and drop items
	Auto English Spellcheck
	Define filter rules and priorities for incoming messages.
	Search and advance search (with move, delete, etc capability)
	export address book
	Attachments viewer (documents, images, videos, etc.)
	Share message and address book for users and group

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- Export message as zip file
- Auto-complete addresses
- Support low connection
- Dynamic refresh and update
- Multiple message can be replayed
- Multiple message can be forwarded
- Sort messages based on subject, date, sender or size
- Create Personal folders
- Personal Organizer (Calendar, Journal, Tasks, Notes)
- Address Book (Contacts, Groups and Distribution Lists)
- User define blacklists and Whitelist
- Personalized user signature
- auto-reply messages
- WebMail message printing
- Smart attachment management
- Service levels for basic and premium users
- Built-in HTTP server
- Re-branding support through server-side templates
- Activity logging
- Encryption support
- Multi-level folder management
- Virtual domains support
- Domain specific WebMail templates
- Read Receipts
- Internationalized search
- Preview pane
- RPOP and RPOP Templates for Yahoo! and Gmail
- HTML filtering
- HTML Composer (Use rich-text styles such as bold, italic, underline, font sizes, colors and so on)
- Over quota notifications
- Banner ads on the web client
- Custom logout page
- Web Based, Command Line
- Multiple admin and sub admin
- Domain/ subdomain admin level permissions
- Domain / subdomain level restrictions (number of users, maximum quota per user, etc)
- Rename domain and Move domain between admin domain
- Users Groups / Admin Groups
- Backup and restore mail settings, messages, databases and users.
- Backup mail per domain/ per user (import and export)

Administration

- Remote server administration
- Service availability per account (IMAP, POP3, Webmail, RPOP, a.s.o)
- Automated operations (Backup, delete inactive accounts, etc)
- Over quota notification

	<p>Restriction for sending and receiving for admin</p> <p>Admin service and setting of mail server</p> <p>Customize web mail interface</p> <p>Send email (text /html) to all Domains/Users</p> <p>Queue Management</p> <p>Customize domains/users status (inactive, disable, etc) by date, etc</p>
Mail server	<p>Clustering/High-Availability (Native integration with Red Hat Cluster Suite, vSphere clustering)</p> <p>Cluster management support for VERITAS Cluster Server</p> <p>a- Email SMTP server</p> <ul style="list-style-type: none"> Extended SMTP support SMTP routing Activity logging Encryption support Authentication support Access Control / Whitelisting / Blacklisting Connection control (configurable simultaneous connections and connection rates limits, adapted SMTP usage scenarios) Message Acceptance Policies: <ul style="list-style-type: none"> Unauthenticated users or messages, blacklisted IPs, SPF or DomainKeys verification etc. Trusted sources or secure connections. maximum message size, maximum number of relay, etc. Control the message delivery retries SMTP auth (MYSQL ,LDAP, CRAM, MD5) <p>b- POP E-mail Access</p> <ul style="list-style-type: none"> APop authentication Activity logging Encryption support Authentication support Access Control; IP Whitelisting / Blacklisting Connection control (configurable simultaneous connections and connection rates limits, adapted POP usage scenarios) <p>c- IMAP E-mail Access</p> <ul style="list-style-type: none"> IDLE Support Activity logging Encryption support Authentication support Access Control; IP Whitelisting / Blacklisting Connection control (configurable simultaneous connections and connection rates limits, adapted IMAP usage scenarios) Public folder Internationalized search <p>d- Storage</p> <ul style="list-style-type: none"> Database users

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Indexed data structure

Expandable storage

Single storage for more reception

Data base clustering

Multi clustering

e- Security /Antivirus /Antispam

Embedded Antivirus and AntiSpam

Real Time AntiSpam Protection

Direct integration with Multiple Antivirus & AntiSpam applications

Content filtering (score based) & Bayesian filtering (through the included SpamAssasin)

Server, domain and user level filters

Configurable antivirus/Antispam database update frequency

Automated spam training (Messages that users mark as Junk / Not Junk are automatically fed into the spam training engine)

Anti-Impersonation

Access Control / Whitelisting / Blacklisting

Email addresses/Domain whitelisting / blacklisting

Country Filtering

Restrict maximum simultaneous connections from a single IP

Restrict maximum incoming connections rate

Selectively restrict maximum messages size

Support Originating domain MX validation

Sender Validation - SPF (Sender Policy Framework)

Open Relay Blocking (ESMTP APOP, AUTH login, CRAM-MD5, PLAIN authentication)

Message integrity validation - DomainKeys compliant

Encryption policies (SSL / TLS)

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

SASL Authentication Support

Different security policy levels for users

Secure passwords enforcement

f- Log Server

Multiple log levels

Per service log files

Remote log collection

Admin log for added changed and deleted accounts

g- Reporting and statistic

Server & traffic statistics:

Monitor system load, 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

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	<p>Graphic chart for services/storage/ domains/users/SPAM/ Viruses</p> <p>SNMP and Syslog Service for all services</p> <p>Reporting by date, user, domain and IP:</p> <ul style="list-style-type: none"> - Admin and sub admin users logs and activities. - Online users and sessions pre services - Active/Inactive account - SPAM & Viruses - Storage <p>g- Upgrade</p> <ul style="list-style-type: none"> - Ability to upgrade from other mail server - Ability to upgrade to other mail server
Hardware	<p>The Email solutions should include the Hardware required (Servers and Storage) for the system that guarantee the High Availability, Reliability, Performance and stability.</p> <p>Hardware Specification, Prices, Delivery should be mentioned in the proposal.</p>
Installation & Setup	<p>The company should be responsible for all installation and setup of the email system (Hardware and software)</p>
Migration	<p>The company should be responsible for the migration from the current email system to the new system.</p>
Training	<p>3 trainees for the all email solution.</p> <p>In certified training center</p> <p>certified trainer</p>
Support	<p>24x7 and remote management</p>

Comments:

- The above specification is the minimum requirement.
- The migration should be done without downtime or data lost.
- The existing mail solution is Atmail version 5.7
- The support should be provided in details.

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