

**المواصفات الفنية الخاصة بالمناقصة العامة
رقم المناقصة : (٢٠١١/٣٠) إعادة مناقصة
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. Muti-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

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	Restriction for sending and receiving for admin
	Admin service and setting of mail server
	Customize web mail interface
	Send email (text /html) to all Domains/Users
	Queue Management
	Customize domains/users status (inactive, disable, etc) by date, etc
Mail server	Clustering/High-Availability (Native integration with Red Hat Cluster Suite, vSphere clustering)
	Cluster management support for VERITAS Cluster Server
	a- Email SMTP server
	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:
	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)
	b- POP E-mail Access
	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)
	c- IMAP E-mail Access
	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
	d- Storage
	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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	Graphic chart for services/storage/ domains/users/SPAM/ Viruses
	SNMP and Syslog Service for all services
	Reporting by date, user, domain and IP:
	- Admin and sub admin users logs and activities.
	- Online users and sessions pre services
	- Active/Inactive account
	- SPAM & Viruses
	- Storage
	g- Upgrade
	- Ability to upgrade from other mail server
	- Ability to upgrade to other mail server
Hardware	The Email solutions should include the Hardware required (Servers and Storage) for the system that guarantee the High Availability, Reliability, Performance and stability. Hardware Specification, Prices, Delivery should be mentioned in the proposal.
Installation & Setup	The company should be responsible for all installation and setup of the email system (Hardware and software)
Migration	The company should be responsible for the migration from the current email system to the new system.
Training	3 trainees for the all email solution. In certified training center certified trainer
Support	24x7 and remote management

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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