



Software602 Groupware Server 6.0

Installation Manual

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Introduction

Software602 Groupware Server 6.0 can be installed and configured in many different ways to provide many different network services. This document is a simple guide focused on the description of the configuration during installation and startup. The diagram below shows the implementation of Software602 Groupware Server within a network topology.



The follow will be assumed during this example:

1. Install Software602 Groupware Server on a server with Microsoft Internet Information Services with a default configuration.
2. Software602 Groupware Server will be connected to the Internet using a permanent connection (leased line, DSL, etc.). E-mail will be sent and received directly via SMTP. For this reason, it is necessary to enable anti-virus and anti-spam features.
3. Software602 Groupware Server will be used for a domain called `company.com`. The server will be installed on the local network, on a host with IP address `192.168.1.5` and DNS name `mail.company.com`
4. All undelivered email (messages where the name before the @ symbol in the address is not valid) will be delivered to `administrator@company.com`
5. All e-mail (without attachments) will be archived.
6. Users will access e-mail via the web-based Groupware Client.
7. The Jabber/XMPP instant messaging server will be configured for the domain `company.com` running on the host `mail.company.com`

Prerequisites

Software602 Groupware Server 6.0 requires the Microsoft .NET Framework to operate. Please download and install the following software components on your server:

Windows 2000

- Microsoft .NET Framework 2.0 (x86) -- [Download here](#)
- Microsoft .NET Framework 2.0 Service Pack 1 (x86) -- [Download here](#)

Windows XP/Vista/2003/2008

- Microsoft .NET Framework 3.5 -- [Download here](#)

If installing on **Windows XP/2003 x64 operating system**, you will need to execute the following from a command-line to allow 32-bit applications to run under Microsoft IIS:

```
cscript %SystemDrive%\inetpub\AdminScripts\adsutil.vbs set w3svc/AppPools/Enable32bitAppOnWin64 1
```

DNS Entries

If you will be receiving e-mail directly to the Software602 Groupware Server it is necessary to configure a record in your public DNS server to point to the public IP address that your server is using (in this example, the IP address 66.129.90.4 will be used).

DNS configuration to receive e-mail to Groupware Server:

```
company.com          MX          10          mail.company.com
mail.company.com     A           66.129.90.4
```

DNS configuration for Jabber/XMPP communication to Groupware Server:

```
_jabber._tcp.company.com. IN SRV 20 0 5269 mail.company.com.
_xmpp-server._tcp.company.com. IN SRV 20 0 5269 mail.company.com.
_xmpp-client._tcp.company.com. IN SRV 20 0 5223 mail.company.com.
```

Firewall Configuration

Recommended firewall configuration for ports used by Groupware Server:

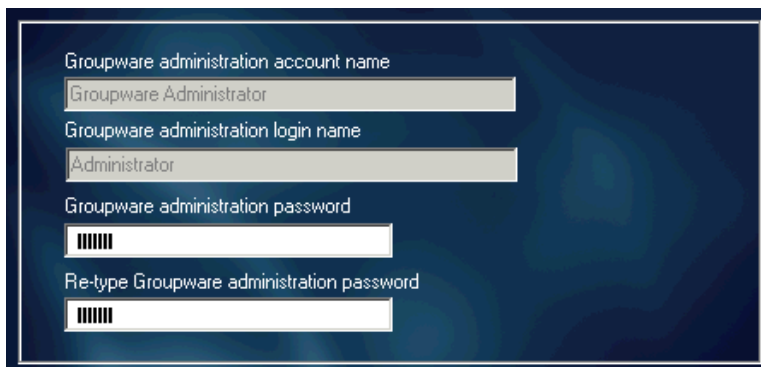
Service	Default port	Incoming Connection
SMTP	25	allow
SSL SMTP	465	allow
POP3	110	deny
SSL POP3	995	allow
IMAP	143	deny
SSL IMAP	993	allow
LDAP	389	deny
LDAPS	636	allow
HTTP/WebDAV	80 or 8080*	deny
HTTPS/WebDAV	443*	allow
Jabber/XMPP server	5656	allow
Jabber/XMPP client (plain)	5222	deny
Jabber/XMPP client (SSL)	5223	allow
FTP	21	deny
FTPS	990	allow

*** If Microsoft Internet Information Services is installed on the server and uses port 80, the Software602 Groupware Server built-in web server will use port 8080.**

Installation

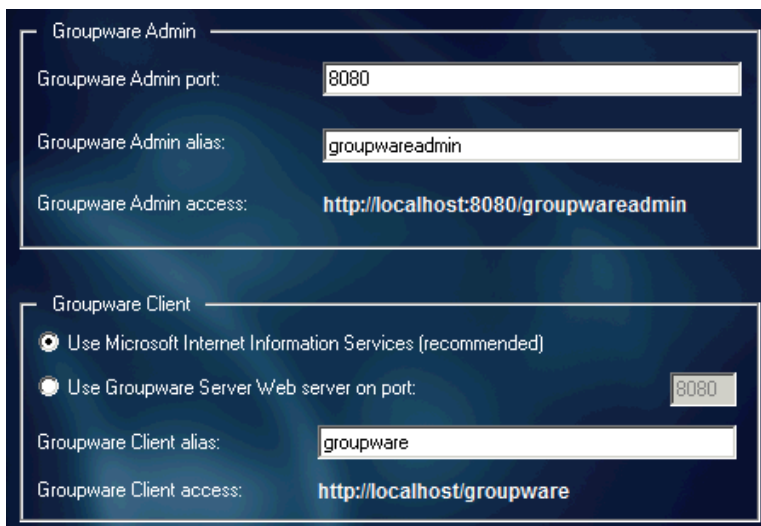
Please read the following installation instructions carefully:

1. Launch the Software602 Groupware Server 6.0 installer.
2. Choose the `English` language and click `Next`.
3. Click `Next` to begin.
4. Click `Yes` to accept the license agreement.
5. Enter your `User Name` and `Company Name`, and then click `Next`.
6. Choose `Program installation` and click `Next`.
7. Choose the `Destination Folder` for installation and click `Next`.
8. Enter the `Groupware administration password` and Re-type the `Groupware administration password` and click `Next`. **DO NOT FORGET THIS PASSWORD!** It will be required to do any administration on the Groupware server.



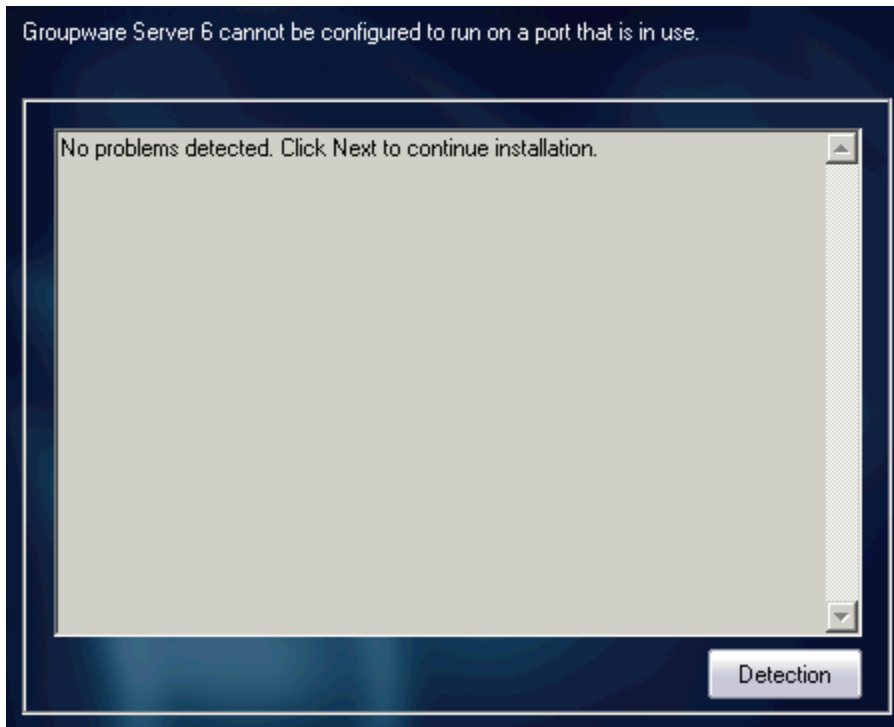
A screenshot of the Groupware installation wizard's password setup screen. It features four input fields on a dark blue background with white text. The first field is labeled 'Groupware administration account name' and contains 'Groupware Administrator'. The second is 'Groupware administration login name' with 'Administrator'. The third is 'Groupware administration password' with a masked password. The fourth is 'Re-type Groupware administration password' also with a masked password.

9. The `Groupware Admin` can only be accessed from the built-in `Software602 Groupware Server` web server. The `Groupware Client` can be integrated into `IIS` (first option) and is recommended or you can use the built-in web server (second option). The default aliases should not be changed.



A screenshot showing two configuration panels for Groupware. The top panel, titled 'Groupware Admin', has three fields: 'Groupware Admin port:' with '8080', 'Groupware Admin alias:' with 'groupwareadmin', and 'Groupware Admin access:' with 'http://localhost:8080/groupwareadmin'. The bottom panel, titled 'Groupware Client', has two radio button options: 'Use Microsoft Internet Information Services (recommended)' (selected) and 'Use Groupware Server Web server on port:' (with a sub-field '8080'). Below these are 'Groupware Client alias:' with 'groupware' and 'Groupware Client access:' with 'http://localhost/groupware'.

10. This screen will show which ports are in use by other applications. Click `Next`.

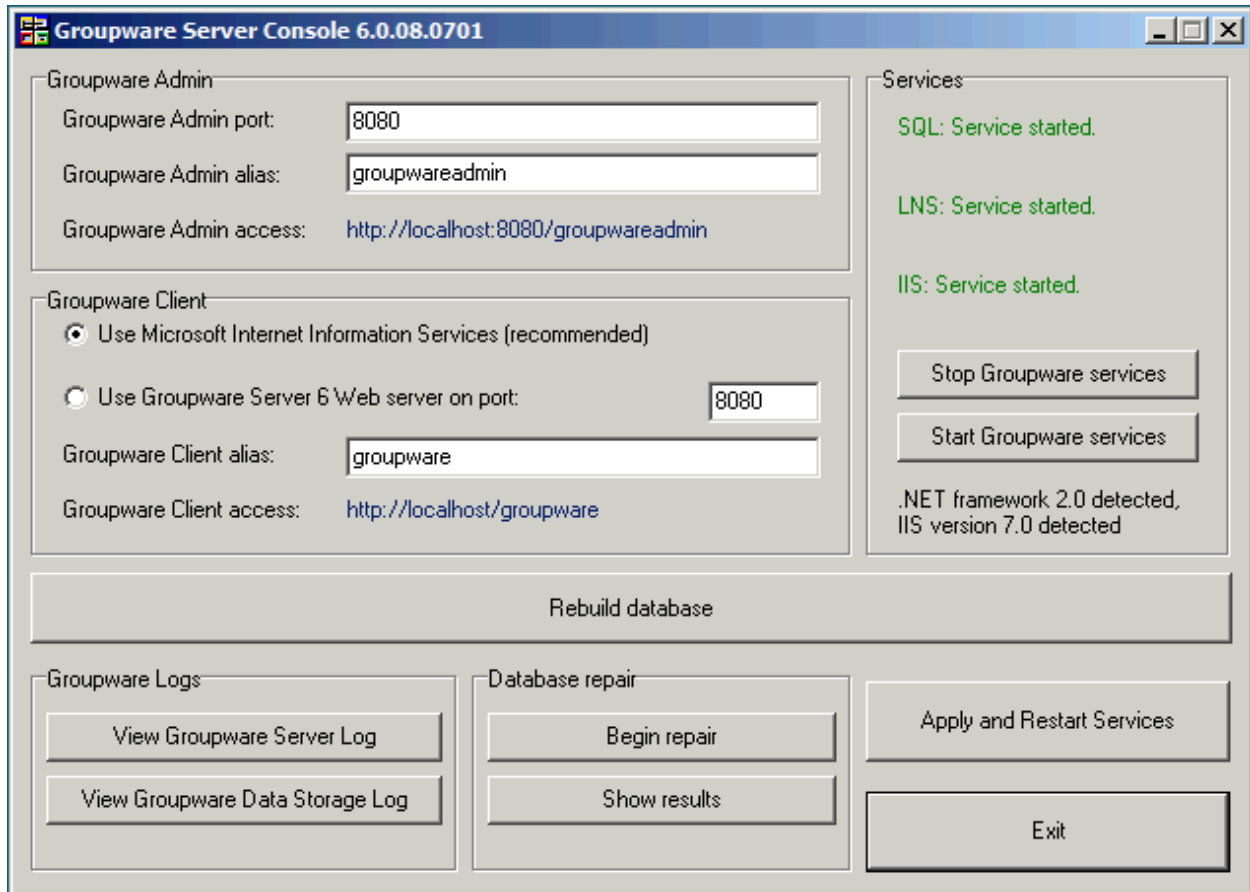


11. If you want to create shortcuts accessible by ALL USERS on this system, click `Yes`.
12. Choose the program group name to create the shortcuts in and click `Next`.
13. Click `Install` to begin installation.
14. Click `Yes, I want to restart my computer now`. You must restart your computer before Software602 Groupware Server can be used.

Server Configuration

Console

Software602 Groupware Server 6.0 runs as a Windows service. You can check the status of these services from the Software602 Groupware Server Console application. The console can be accessed from Groupware Server 6 -> Groupware Server 6 Console. In the upper right hand corner you will see the status of all three services.



- **SQL (602svc11gw.exe):** The 602SQL Server is used for data storage
- **LNS (602lms.exe):** The Software602 Groupware Server (SMTP/IMAP, etc.)
- **IIS:** Microsoft Internet Information Services

Administration

Software602 Groupware Server administration can be performed from a web browser by connecting to the built-in Groupware Server web server (not IIS) using the predefined virtual directory `groupwareadmin` (see the [Console](#) for more information). Only users that are members of the `Administrator` group can perform administration.

The default URL for accessing Groupware Admin:

<http://localhost:8080/groupwareadmin>

-or-

<http://localhost/groupwareadmin>

The screenshot shows the Groupware Server Admin console. The top navigation bar includes the Groupware Server logo and icons for Status, Users, Groups, Log, and Queue. The left sidebar contains a tree view of administration options: Administration (Status, Real-time Log, Current Connections, Message Queue, Statistics, Upstream Proxy, License), System (Services, Internet Connection, SSL Certificate, Full-text, Documents, Notifications, Logging, Debug, Backup), and User Management (Domains, Users, Template). The main content area displays three sections: NOTIFICATIONS (None), GENERAL (Uptime: 19 hours, Disk space used: 42.2 GB, Disk space free: 27.03 GB, Last anti-virus update: 7/2/2008 11:11 AM, Last backup: 7/2/2008 7:11 AM), and STATISTICS (Server started: 7/1/2008 4:51 PM, Messages transmitted by SMTP server: 23, Messages received by SMTP server: 4294, Messages rejected by SMTP server: 5458, Messages caught by anti-spam: 1608, Messages caught by anti-virus: 6).

NOTE: The correct access URLs can always be found from the Groupware Server 6 Console application.

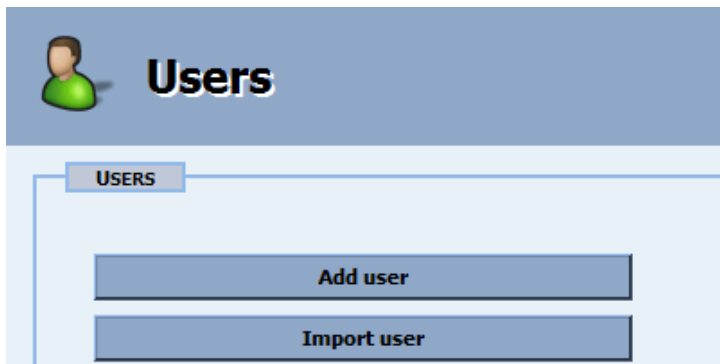
Domain & Users

E-mail domains are configured in the User Management -> Domains section. Enter `company.com` into the Default domain field and click Save. Once the domain is set, all user accounts will automatically assume this name (e.g. `admin@company.com`)



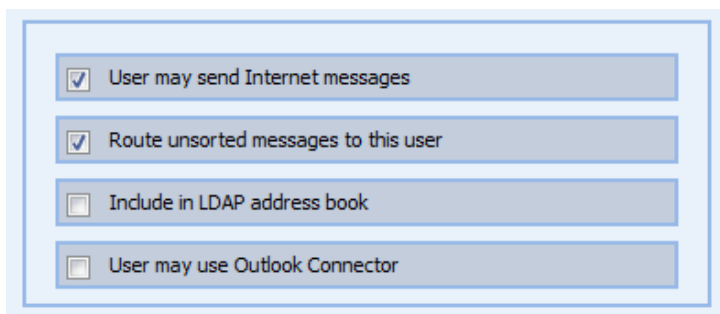
The screenshot shows the 'Domains' configuration page. At the top left is a house icon. The title 'Domains' is in large bold text. Below it is a tab labeled 'E-MAIL ADDRESSES'. Under this tab, there are two input fields. The first is labeled 'Default domain:' and contains the text 'company.com'. The second is labeled 'Domain aliases:' and is currently empty.

Create users from User Management -> Users.



The screenshot shows the 'Users' configuration page. At the top left is a person icon. The title 'Users' is in large bold text. Below it is a tab labeled 'USERS'. Under this tab, there are two buttons: 'Add user' and 'Import user'.

By default, the Groupware Administrator account receives unsorted e-mail. You can verify this from User Management -> Users -> Groupware Administrator -> E-mail



The screenshot shows the 'E-mail' configuration page for a user. It contains four checkboxes with labels: 'User may send Internet messages' (checked), 'Route unsorted messages to this user' (checked), 'Include in LDAP address book' (unchecked), and 'User may use Outlook Connector' (unchecked).

SMTP

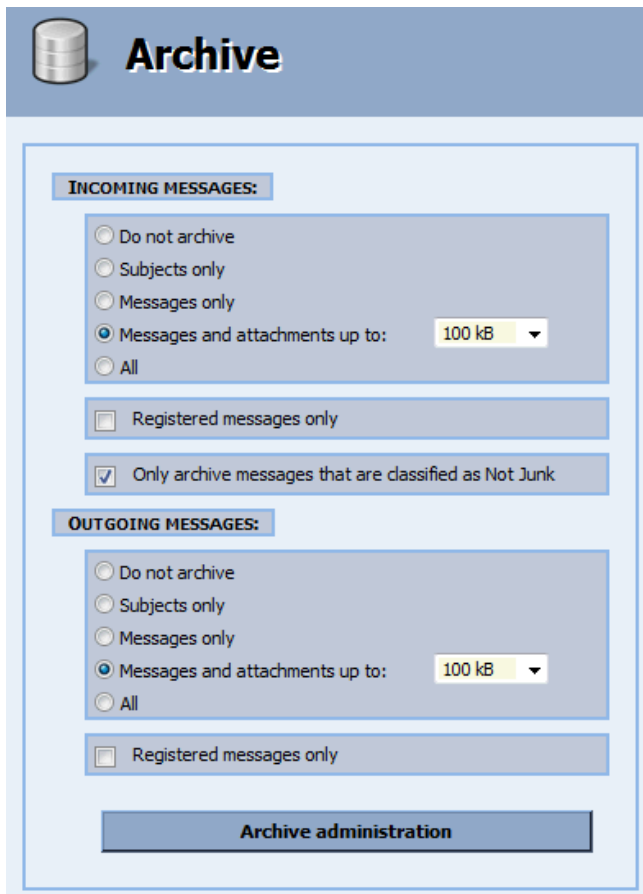
By default, `Enable SMTP server` and `Directly via MX records` are selected. If you need to send your messages to your ISP's SMTP server, select `Relay to ISP SMTP server` and enter the server in the field below.

Mail Services -> SMTP -> Relay, by default, only allows local users to send e-mail using the `Allow SMTP relay for Groupware Server users only` option. This protects the SMTP server by only allowing e-mail FROM: users in your user list (aliases are accepted too).

To further protect your SMTP server we recommend enabling the option `Require SMTP authentication`. This will require third-party e-mail client users (e.g. Thunderbird, Outlook) to configure their client to send authentication information to the server before the SMTP server will accept the message for relay.

Archive

By default, Mail Services -> Archive will save all incoming and outgoing messages and attachments (only attachments that are 1MB or smaller). If you do not want to archive attachments, you can select the option `Messages only` and click `Save`.



Archive

INCOMING MESSAGES:

Do not archive

Subjects only

Messages only

Messages and attachments up to: 100 kB

All

Registered messages only

Only archive messages that are classified as Not Junk

OUTGOING MESSAGES:

Do not archive

Subjects only

Messages only

Messages and attachments up to: 100 kB

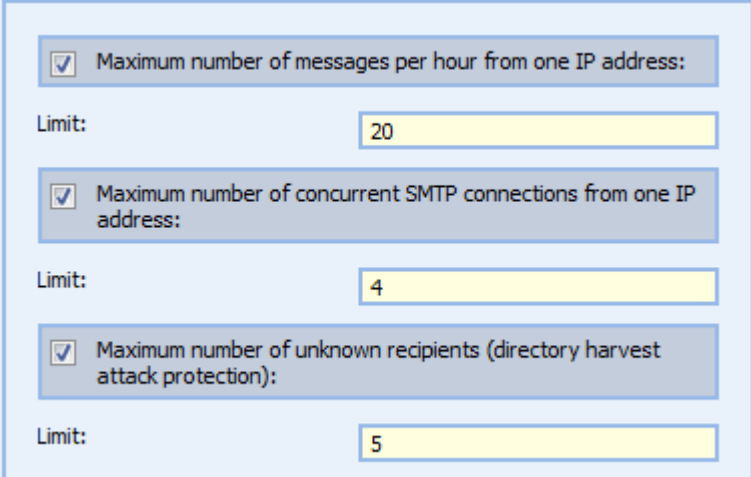
All

Registered messages only

Archive administration

Anti-spam

Software602 Groupware Server provides three types of anti-spam protection. The first is SMTP server protection that prevents the server from accepting a message (E-mail -> SMTP), the second is the Commtouch real-time filter (Anti-spam -> Real-time Filter), and the third is the Bayesian filter (Anti-spam -> Bayesian Filter).



The screenshot shows a configuration window for anti-spam settings. It contains three sections, each with a checked checkbox and a text input field for a limit:

- Maximum number of messages per hour from one IP address:
Limit:
- Maximum number of concurrent SMTP connections from one IP address:
Limit:
- Maximum number of unknown recipients (directory harvest attack protection):
Limit:

To enable the Real-time Filter, Enable Commtouch filter, and click Save.

To enable the Bayesian filter, Enable Bayesian analysis to check incoming messages, and click Save. The Bayesian filter will not work until 100 spam message and 100 good messages are used to train the filter.

Users can train the Bayesian filter in several ways:

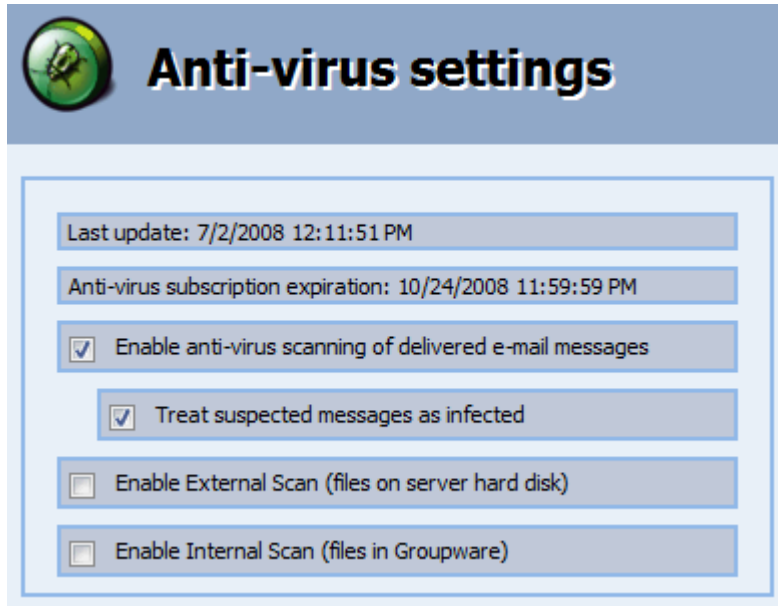
- **Groupware Client:** Users can classify received e-mail by clicking the Junk or Not Junk buttons from the inbox. It is also possible to use the option Automatically learn from senders listed in the white list found under Settings to train the Bayesian filter automatically.
- **Any third-party e-mail client:** Users can classify received e-mail by forwarding the message to: junk@junk for Junk or notjunk@junk for Not Junk.

Attachment Filter

Incoming and outgoing messages can include attached files. It is possible to block message attachments with specific file extensions. Enable the Check e-mail messages for unwanted attachments and click Save.

Anti-virus

Enable anti-virus scanning under the **Anti-virus** section. Enable anti-virus scanning of delivered e-mail messages and click **Save**.



The screenshot shows the 'Anti-virus settings' window. It features a blue header with a virus icon and the title 'Anti-virus settings'. Below the header, there are several settings boxes: 'Last update: 7/2/2008 12:11:51 PM', 'Anti-virus subscription expiration: 10/24/2008 11:59:59 PM', a checked checkbox for 'Enable anti-virus scanning of delivered e-mail messages', a checked checkbox for 'Treat suspected messages as infected', an unchecked checkbox for 'Enable External Scan (files on server hard disk)', and an unchecked checkbox for 'Enable Internal Scan (files in Groupware)'.

Also enable automatic updates under **Anti-virus** -> **Anti-virus update** -> Enable automatic Anti-virus updates every and enter the update frequency.



The screenshot shows the 'Anti-virus update' window. It features a blue header with a virus icon and the title 'Anti-virus update'. Below the header, there is a section titled 'SET ANTI-VIRUS UPDATE PROPERTY'. This section contains: 'Last update: 7/2/2008 12:11:51 PM', 'Anti-virus is up-to-date.', 'Anti-virus subscription expiration: 10/24/2008 11:59:59 PM', and a checked checkbox for 'Enable automatic Anti-virus updates every' with a text input field containing '1' and the label 'hours'.


Jabber/XMPP

Software602 Groupware Server includes a Jabber/XMPP instant messaging server. Under **IM Services** check the box **Enable IM server**, enter **company.com** for the **Domain name**, and click **Save**. The IM server has been tested with the following Instant Message clients: Psi, Miranda, Qip, and Pidgin. You can obtain client software for the IM server, [here](#).

<input checked="" type="checkbox"/> Enable IM server	
Domain name:	<input type="text" value="company.com"/>
IM port for communication between server and clients:	<input type="text" value="5222"/>
IM port for communication between servers:	<input type="text" value="5269"/>

Backup

Software602 Groupware Server is able to create backup copies of all data for restoration in the event of a hardware failure. Under **System** -> **Backup** select the **Start backup** at option and choose a time during the night with the least server load to perform the backup.



Backup

SET BACKUP RULES

Previous backup finished successfully 2.7.2008 07:11.
Created 1461 new files, 0 files with differences from last backup, 5981 links. Totally copied 2717260452 bytes.

BACKUP DIRECTORY:

Free space on the selected disk : 27.03 GB