



602LAN SUITE 5.0 Groupware

Installation Manual

Table of Contents

Table of Contents	2
Introduction	3
Prerequisites	4
Installation	5
Server Configuration	7
Console	7
Administration.....	8
Domain & Users	9
SMTP	10
Archive	10
Anti-spam	11
Attachment Filter.....	11
Anti-virus	12
Backup.....	12

Introduction

602LAN SUITE 5.0 Groupware 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 602LAN SUITE Groupware within a network topology.



The follow will be assumed during this example:

1. Install 602LAN SUITE Groupware on a server with Microsoft Internet Information Services with a default configuration.
2. 602LAN SUITE Groupware 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. 602LAN SUITE Groupware 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 archived.
6. Users will access e-mail via the web-based Groupware Client.

Prerequisites

602LAN SUITE 5.0 Groupware requires the Microsoft .NET 1.1 Framework to operate. Please download and install the following software components on your server:

- Microsoft .NET Framework 1.1 -- [Download here](#)
- Microsoft .NET Framework 1.1 Service Pack 1 -- [Download here](#)

If installing on an 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
```

If you will be receiving e-mail directly to the 602LAN SUITE 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 602LAN SUITE Groupware:

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

Recommended firewall configuration for common ports used by 602LAN SUITE Groupware:

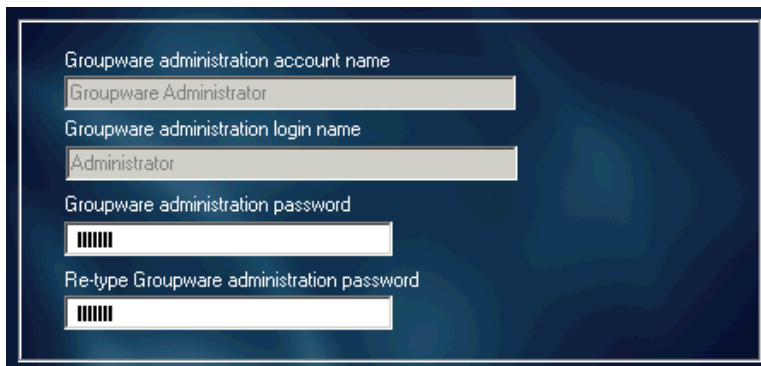
Service (default port)	Outgoing connection	Incoming connection
SMTP (25)	allow	allow
SSL SMTP (465)	allow	allow
POP3 (110)	allow	deny
SSL POP3 (995)	allow	allow
IMAP (143)	allow	deny
SSL IMAP (993)	allow	allow
LDAP (389)	allow	deny
LDAPS (636)	allow	allow
HTTP (80 or 8080)*	allow	deny
HTTPS (443)*	allow	allow
FTP	allow	deny
FTPS	allow	allow

*** If Microsoft Internet Information Services is installed on the server and uses port 80, the 602LAN SUITE Groupware built-in web server will use port 8080.**

Installation

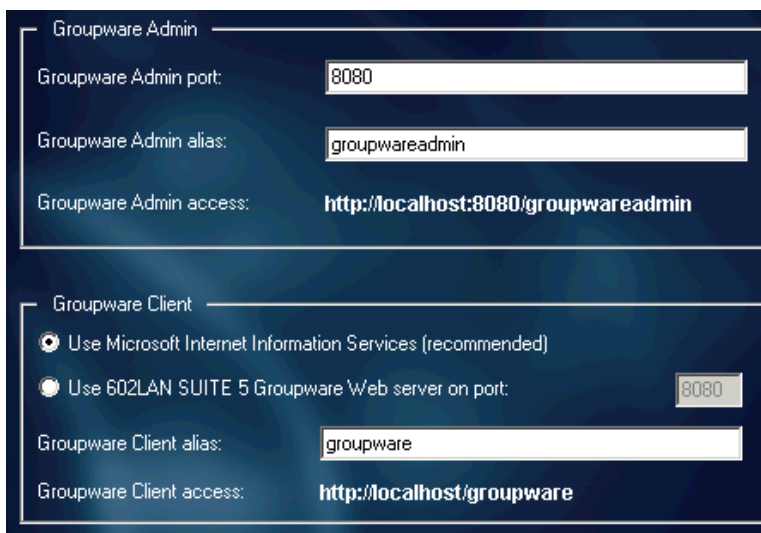
Please read the following installation instructions carefully:

1. Launch the 602LAN SUITE 5.0 Groupware 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.



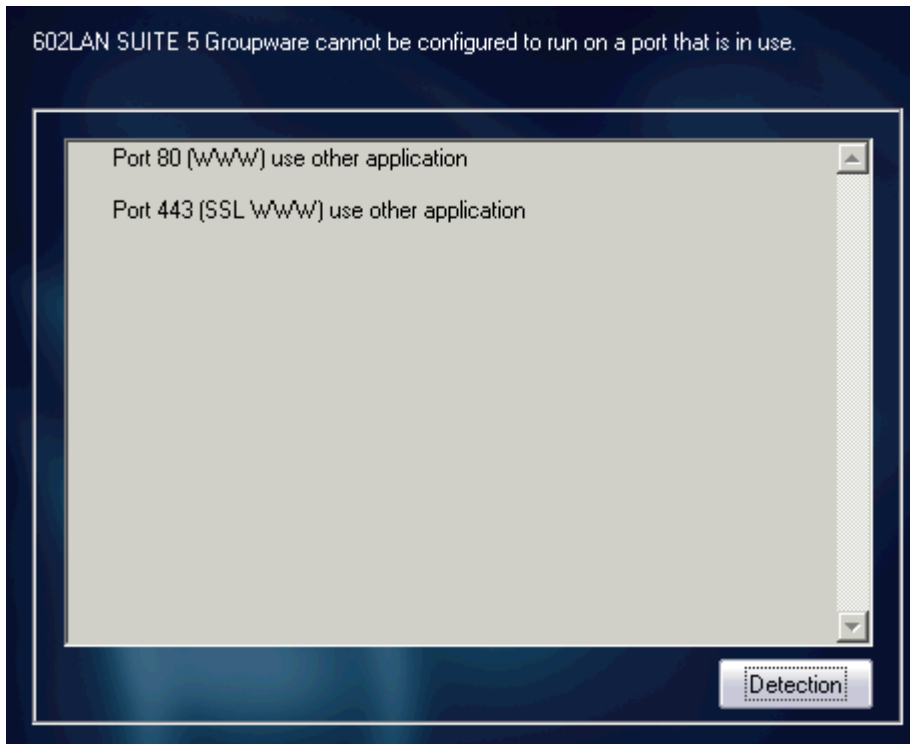
A screenshot of the Groupware installation wizard's password entry screen. It features four input fields on a dark blue background with white text. The first field is labeled 'Groupware administration account name' and contains 'Groupware Administrator'. The second is 'Groupware administration login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

9. The `Groupware Admin` can only be accessed from the built-in 602LAN SUITE Groupware 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' (8080), 'Groupware Admin alias' (groupwareadmin), and 'Groupware Admin access' (http://localhost:8080/groupwareadmin). The bottom panel, titled 'Groupware Client', has two radio buttons: 'Use Microsoft Internet Information Services (recommended)' (selected) and 'Use 602LAN SUITE 5 Groupware Web server on port:' (8080). It also has 'Groupware Client alias' (groupware) and 'Groupware Client access' (http://localhost/groupware).

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

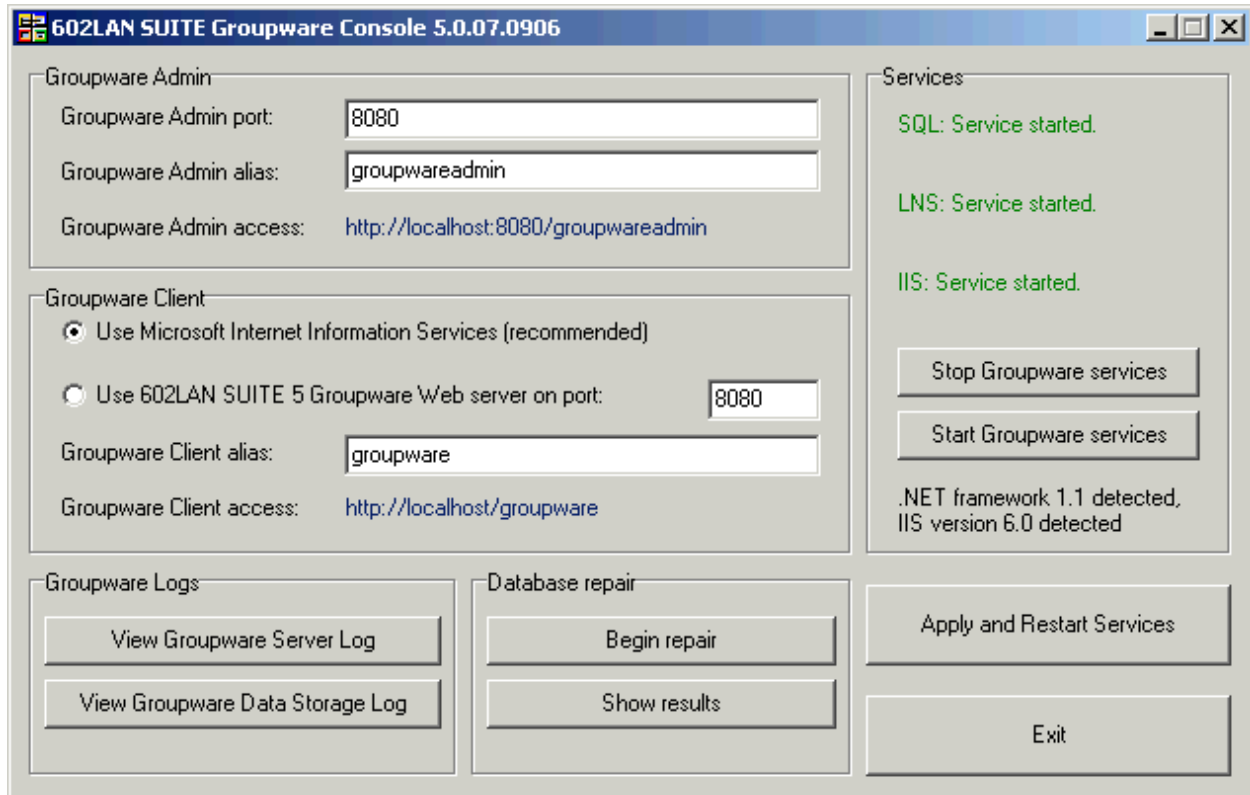


11. If you want to create shortcuts accessible by ALL USERS on this system, click **Yes**.
12. Choose the program group name to create the shortcuts in and click **Next**.
13. Click **Install** to begin installation.
14. Click **Yes, I want to restart my computer now**. You must restart your computer before 602LAN SUITE Groupware can be used.

Server Configuration

Console

602LAN SUITE 5.0 Groupware runs as a Windows service. You can check the status of these services from the 602LAN SUITE Groupware Console application. The console can be accessed from 602LAN SUITE 5 Groupware -> 602LAN SUITE 5 Groupware Console. In the upper right hand corner you will see the status of all three services.



- **SQL (602svc10gw.exe):** The 602SQL Server is used for data storage
- **LNS (602lns.exe):** The 602LAN SUITE Groupware server (SMTP/IMAP, etc.)
- **IIS:** Microsoft Internet Information Services

Administration

602LAN SUITE Groupware administration can be performed from a web browser by connecting to the built-in 602LAN SUITE 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 displays the 602LAN SUITE Groupware Admin interface. The top navigation bar includes icons for Status, Users, Groups, Console, and Queue. The left sidebar shows a tree view of administration options: Administration, License, Console, User Management (Users, Groups, Import), Connection, E-mail, Fax, Internet, Content Filter, Anti-virus, and Maintenance. The main content area is divided into two sections: PRODUCT and DATABASE.

PRODUCT	
Update	
Product:	602LAN SUITE 5 Groupware
Operating system:	Microsoft Windows NT 5.0.2195.0
.NET framework version:	1.1.4322.2032
Application version:	5.0.07.1012
Last update:	Never

DATABASE	
Database server name:	GROUPWARE
Database application name:	GW
Application creation date:	10/12/2007 1:57 PM
602SQL version:	Windows 10.0.2.919
Database schema (language/version):	US/88
Index file storage:	C:\Program files\Software..... 5 Groupware\SQL\DATABASE

NOTE: The correct access URLs can always be found from the 602LAN SUITE 5 Groupware Console application.

Domain & Users

E-mail domains are configured in the **E-mail** 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`)

E-MAIL ADDRESSES

Default domain:

Domain aliases:

Address	User
admin@company.com	Groupware Administrator

Create users from **User Management** -> **Users**.

GROUPWARE USER LIST

Local user 1 has been created. License terms do not restrict the number of users.

Account name	Login name
<input type="checkbox"/> Anonymous	
<input type="checkbox"/> Bob Jones	BOB
<input type="checkbox"/> Groupware Administrator	Administrator

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

USER PERMISSIONS

- User may send fax messages
- User may use proxy
- User may send Internet messages
- Route unsorted faxes to this user
- Route unsorted messages to this user
- Include in LDAP address book
- User may use Outlook Connector

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.

`E-mail -> SMTP -> Relay`, by default, only allows local users to send e-mail using the `Allow SMTP relay for 602LAN SUITE users only` option. This protects the SMTP server by only allowing e-mail messages 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.

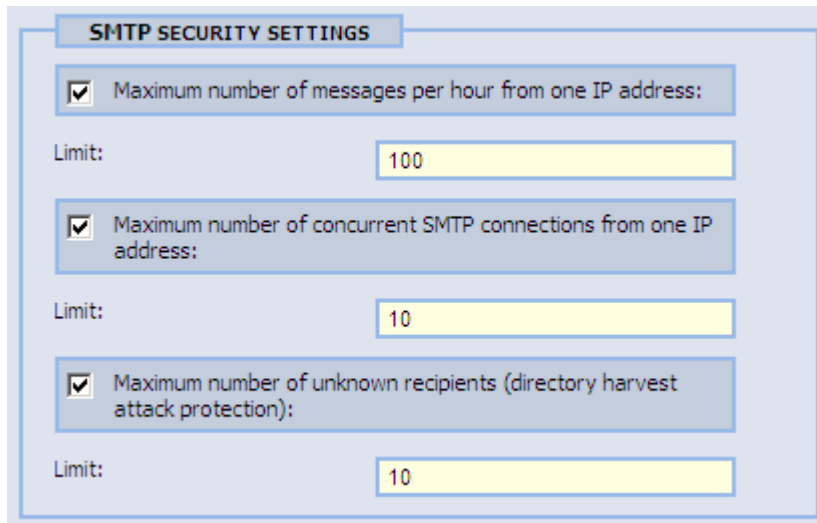
Archive

By default, the `E-mail -> 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`.

The screenshot displays the 'Archive' settings interface, divided into two sections: 'INCOMING MESSAGES:' and 'OUTGOING MESSAGES:'. Each section contains a list of radio button options for archiving: 'Do not archive', 'Subjects only', 'Messages only', 'Messages and attachments up to:' (with a dropdown menu set to '1 MB'), and 'All'. Below these options are two checkboxes: 'Registered messages only' (unchecked) and 'Only archive messages that are classified as Not Junk' (checked). The 'OUTGOING MESSAGES:' section also includes the 'Registered messages only' checkbox (unchecked).

Anti-spam

602LAN SUITE Groupware provides two types of anti-spam protection. The first is SMTP server protection that prevents the server from accepting a spam message (E-mail -> SMTP) and the second is the Bayesian filter (E-mail -> Anti-spam).



The screenshot shows a configuration window titled "SMTP SECURITY SETTINGS". It contains three checked options, each with a "Limit:" field:

- Maximum number of messages per hour from one IP address:
Limit: 100
- Maximum number of concurrent SMTP connections from one IP address:
Limit: 10
- Maximum number of unknown recipients (directory harvest attack protection):
Limit: 10

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:

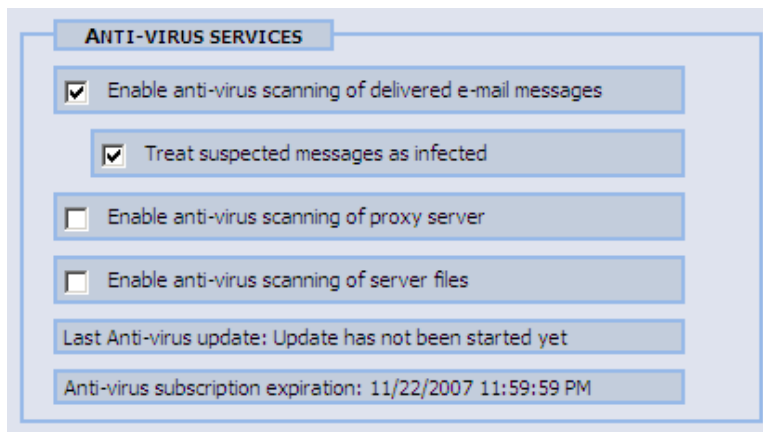
- **Groupware Client:** Users can classify received e-mail by clicking the Junk or Not Junk buttons from the inbox. It is also possible to use the option Automatically learn from senders listed in the white list found under Settings to train the Bayesian filter automatically.
- **Any third-party e-mail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



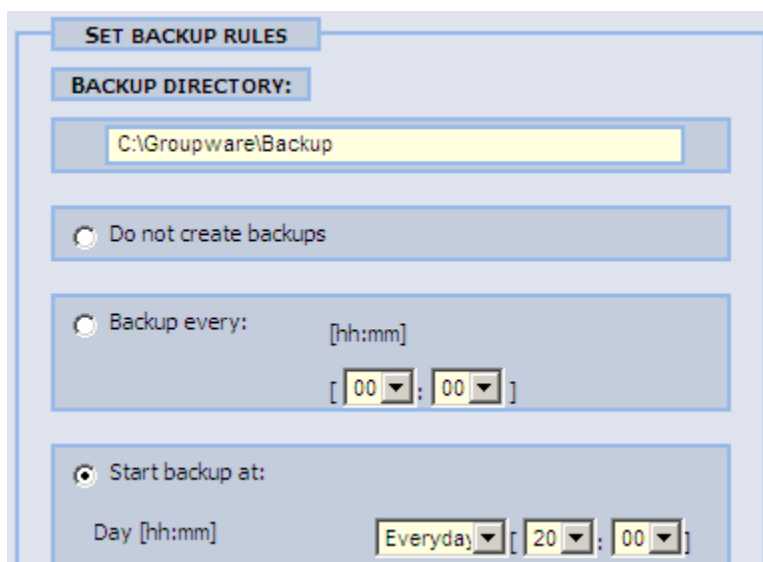
The screenshot shows the 'ANTI-VIRUS SERVICES' configuration window. It contains several checkboxes and status information:

- Enable anti-virus scanning of delivered e-mail messages
- Treat suspected messages as infected
- Enable anti-virus scanning of proxy server
- Enable anti-virus scanning of server files
- Last Anti-virus update: Update has not been started yet
- Anti-virus subscription expiration: 11/22/2007 11:59:59 PM

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

Backup

602LAN SUITE Groupware is able to create backup copies of all data for restoration in the event of a hardware failure. Under **Maintenance** -> **Backup** select the **Start backup at** option and choose a time during the night with the least server load to perform the backup.



The screenshot shows the 'SET BACKUP RULES' configuration window. It includes the following settings:

- BACKUP DIRECTORY:** C:\Groupware\Backup
- Do not create backups
- Backup every: [hh:mm] [00 : 00]
- Start backup at:
Day [hh:mm] Everyday [20 : 00]