

# GEA Suite Install Guide

*GOFF Email Archiver Suite Install Guide*

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# Requirements

Free software installation support is available for both Trial and Purchased licenses. Please contact support at [support@goffconcepts.com](mailto:support@goffconcepts.com) to schedule an install technician.

1. Microsoft Exchange Server 2000 or higher with Envelope Journaling enabled.
  - a) For Exchange 2000 or 2003 download this utility to enable Envelope Journaling  
<http://www.microsoft.com/downloads/details.aspx?FamilyID=e7f73f10-7933-40f3-b07e-ebf38df3400d>
  - b) Exchange 2007 has Envelope Journaling enabled by default.
  - c) All Service Packs should be current.
  
2. If not installing on the Exchange Server itself:
  - a) Install *Outlook 2003* or higher or *Microsoft Exchange Server MAPI Client* runtime.  
<http://www.microsoft.com/downloads/details.aspx?familyid=E17E7F31-079A-43A9-BFF2-0A110307611E>
  - b) Please note that if not using Outlook 2003 or higher the subject fields for Unicode emails will not be archived to the original msg file. The email will appear correct in the viewer however.
  - c) If installing on Exchange Server 2007 you **must** install *Outlook 2007* or the *Mapi Client* runtime.
  
3. Microsoft SQL Server 2005 or higher or MySQL Community Edition 5.0.77 or higher
  - a) If not installing on the SQL server itself you must install the client database drivers.
  - b) You must manually copy the **libmysql.dll** file to the install directory if using MySQL server.
  
4. The GEA Suite Exchange Archiver Service Component must have permissions to read the Archive Mailbox and or all mailboxes on the Exchange Store. Thus you must have the GEA Service running with the permissions of a Domain User Account. This is called the ***GEA Service Account***.
  - a) Read the Exchange Configuration sections for details.

## Install Checklist

- *Exchange Server 2000+* or *Outlook 2003+* or *Exchange Server MAPI Client* is installed.
- MySQL libmysql.dll is in the installed directory or the Microsoft SQL Server Native Client is installed.
- A Domain user account with Exchange privileges is configured to run the GEA service.

# Exchange Server 2000/2003 Configuration

The primary purpose of the GEA archiving component is to copy email messages from the Exchange Mailbox Store to the SQL Server. Thus at the very minimum read access to the Exchange Server is required. Please preform the following steps to allow read access. Please login to the Exchange Server with an administrator account.

- Create a new user for the software to use. This will be the **GEA Service Account**.
  1. Click *Start, Programs, Microsoft Exchange*, and then click *Active Directory Users and Computers*.
  2. Click *View* and choose *Advanced Features*.
  3. Right click on the *Users* group or an OU of your choice and choose *New User*.
  4. Set the username to be *GEAServiceAccount* or something of your choice.
  5. Set a complex password and check both *User cannot change password* and *Password never expires*.
  6. Right click on the new account, choose *Properties*, and in the *Member Of* tab add *Administrators, Domain Admins* and *Exchange Domain Servers*. Now the **GEA Service Account** can log on locally.
  
- Set the service account to have access to all mailboxes.
  1. Click *Start, Programs, Microsoft Exchange*, and then click *System Manager*.
  2. Expand the *Servers* list.
  3. Right click on the server in the list and choose *Properties* and then the *Security* tab.
  4. Add the **GEA Service Account**.
  
- Make the Exchange Server copy all new incoming and outgoing email to **GEA Service Account**.
  1. Expand below the *Servers* list until you find the *Mailbox Store*.
  2. Right click on the *Mailbox Store*, choose *Properties* then the *General* tab.
  3. Check *Archive all messages ...* to go to the **GEA Service Account**.
  
- Enable Envelope Journaling
  1. Run *Exejcfcg.exe* to unzip the contents
  2. From from the command line type *exejcfcg -e*.

# Exchange Server 2007 Configuration

The primary purpose of the GEA archiving component is to copy email messages from the Exchange Mailbox Store to the SQL Server. Thus at the very minimum read access to the Exchange Server is required. Please perform the following steps to allow read access. Please login to the Exchange Server with an administrator account.

- Create a new user for the software to use. This will be the **GEA Service Account**.
  1. Click *Start, Programs, Administrative Tools*, and then click *Active Directory Users and Computers*.
  2. Click *View* and choose *Advanced Features*.
  3. Right click on the *Users* group or an OU of your choice and choose *New User*.
  4. Set the username to be *GEAServiceAccount* or something of your choice.
  5. Set a complex password and check both *User cannot change password* and *Password never expires*.
  6. Right click on the new account, choose *Properties*, and in the *Member Of* tab add *Administrators, Domain Admins* and *Exchange Organization Administrators*. Now the **GEA Service Account** can log on locally.
  
- Create a mailbox for **GEA Service Account**.
  1. Click *Start, Programs, Microsoft Exchange*, and then click *Exchange Management Console*.
  2. Expand the *Recipient Configuration* list.
  3. Select *Mailbox* then right click on *Mailbox* and choose *New Mailbox* then *User Mailbox*, then *Existing users*.
  4. Select the service account you created. It will only appear in the list if it does not have a mailbox.
  5. Assign the mailbox to your default *Mailbox database*. Click until *Finish*.
  
- Make the Exchange Server copy all new incoming and outgoing email to **GEA Service Account**.
  1. Click *Start, Programs, Microsoft Exchange*, and then click *Exchange Management Console*.
  2. Expand the *Servers Configuration* list, then select *Mailbox*.
  3. Find the *Mailbox Database* under your Storage Group.
  4. Right click and choose *Properties*.
  5. Check *Journal Recipient* setting it to **GEA Service Account**.
  
- Set **GEA Service Account** to have access to all mailboxes.
  1. Click *Start, Programs, Microsoft Exchange*, and then click *Exchange Management Shell*.
  2. Run the following command:  
Add-ADPermission -identity "mailbox database" -user "GEAServiceAccount" -ExtendedRights Receive-As

# SQL 2005/2008 Server Configuration

The primary purpose of the *GEA Suite Viewer Server for Clients* is to allow users to view all their archived email. Clients will connect to the GEA Viewer Server which will in turn connect to the SQL database. It is recommended that the SQL Server has generous amounts of RAM and access to a fast disk system.

- Install SQL 2005/2008 using any configuration you like.
- After the install is complete click on *SQL Server Management Studio*.
- After successful connection expand the *Security* folder. Right click on *Logins* and choose *New Login*.
- Name the Login *GEAServiceAccount* or something of your choice. This will be the **GEA Service Account**.
- Set the type to be *SQL Server authentication* setting the username and password.
- UNCHECK the *User must change password at next login* option.
- Click on the *Server Roles* list box. Assign all permissions to the service account.

The computer that will be using any of GEA Suite utilities or services must have the *Microsoft SQL Server Native Client* installed. Download from the following locations:

## 2005

<http://www.microsoft.com/downloads/details.aspx?familyid=536fd7d5-013f-49bc-9fc7-77dede4bb075&displaylang=en&tm>

## 2008

<http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=b33d2c78-1059-4ce2-b80d-2343c099bcb4>

# MySQL Server Configuration

The primary purpose of the *GEA Suite Viewer Server for Clients* is to allow users to view all their archived email. Clients will connect to the GEA Viewer Server which will in turn connect to the SQL database. It is recommended that the SQL Server has generous amounts of RAM and access to a fast disk system.

- Install the MySQL Server using any configuration you like.
- After the install is complete open the *MySQL GUI Tools 5.0* directory and execute *MySQLAdministrator.exe*
- Connect to *localhost* using *root* for the username and your password you configured during install.
- Click on *Startup Variables* then choose the *Advanced* tab. Set the *Def. Char Set* to **utf8**. Uncheck *SQL Mode*.
- Go to the *Advanced Networking* tab and set *Max packet size* to be **100 M** or the size of your largest email.
- Click on *Catalogs* and add a new Database named *goff\_email\_archive*.
- Click on *User Administration* and then *Add new user* using *GEAServiceAccount* or something of your choice. This will be the **GEA Service Account**.
- Click on the *Schema Privileges* tab and add a schema named *goff\_email\_archive*.
- Assigned all privileges to this schema.

The computer that will be using any of GEA Suite utilities or services must have the *libmysql.dll* file copied to the same location as GEA Suite. Download from the following locations:

MySQL Community Edition 5.0 Series:

<http://dev.mysql.com/downloads/mysql/5.0.html>

## Software Configuration

The main requirement that the *GEA Suite Exchange Archiver Service Component* has is that it must run with the permissions of the Exchange Server's **GEA Service Account**. This is the username that has permissions to read the Archive Mailbox and or all mailboxes on the Exchange Store. Thus you must have this one NT Service running with the permissions of a Domain User Account (from the Services.msc panel set the service to run as DomainName\GEAServiceAccount). *GEA Viewer Server for Clients* does not have this requirement.

At the end of running *Setup.exe* the *Configure Services Utility* will automatically start. Enter your **GEA Service Account** information for the Exchange Archiving component. For *GEA Viewer Server for Clients* and *GEA Exchange Archiving Server* enter the database vendor type and **GEA Service Account** you configured for them.

Once your Exchange servers and SQL server are properly configured, the install is complete, and GEA Exchange Server and Viewer Server are properly configured you are ready to begin use of the product. As new emails arrive into the system and thusly archived to the SQL server, usernames are automatically created for Viewer Server and are accessible via Windows Authentication. If you desire separate username and password configurations from a Windows Domain environment, perhaps because your user's PC are not joined to a domain, then edit the SIS\_LOGIN table on your SQL server setting the username and password combinations you desire.