

Event Log Gatherer Installation Guide Version 1.5



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NOTE: Please direct any questions regarding GSI Event Log Gatherer (GSIELG) to:
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1.0 LICENSING

The evaluation version of GSIELG application is valid for up to 3 monitored servers.

The licensed GSIELG application requires a purchased license enforced via a software key (please see ORDER.TXT file for purchasing information).

The GSIELG application consists of three main components: GSIELG Database, GSIELG Service, and GSIELG COM+ and Web Component. GSIELG components can be installed on a single system, two systems, or on three separate systems. Systems running GSIELG components must meet specific GSIELG application components requirements.

It is recommended (for performance reasons) that the GSIELG service be installed on the database server. However, it may also be installed on a separate server.

2.0 SYSTEM REQUIREMENTS

2.1 Database Server

- Microsoft Windows NT 4.0 or Windows 2000 System
- One of the following Database Server Applications:
 - Microsoft Data Engine (MSDE)
 - Microsoft SQL Server 7.0
 - Microsoft SQL Server 2000 (requires Windows 2000 System)
- MSDTC service set to start automatically and running
- MDAC 2.6 SP2 or higher

2.2 Service Server

- Microsoft Windows NT 4.0 or Windows 2000 System
- MDAC 2.6 SP2 or higher
- Administrator level account with logon as a service rights

2.3 COM+ and Web Component Server

- Microsoft Windows 2000 System with IIS 5.0 or above
- MDAC 2.6 SP2 or higher
- The IIS Admin Service and World Wide Web Publishing service must be running on the system and be set to start automatically.

2.4 Email Server

- Exchange Server or SMTP Server for delivery of email alerts
- For Exchange Server:
 - MAPI profile set up locally using an email application such as Outlook
- For SMTP Server:
 - IIS and SMTP Server installed locally

2.4 Web Client

- IE 5.5 or above

NOTE: MDAC can be downloaded from www.microsoft.com/data

3.0 CONFIGURATION REQUIREMENTS

3.1 Database Server

- Determine the method of database security GSIELG is to use (SQL security or integrated NT/2K security)
- Obtain permissions to create a database on the database server (typically requires sa credentials).

3.2 Service Server

- The account that will be used to run the service should be granted “log on as a service” rights and must have administrator permissions on the local server and all of the servers that will be monitored by the application
- Administrative access is required in order to execute the installation script
- The application directory specified in the setup scripts must exist must reside on a local drive

3.3 COM+ and Web Component Server

- Administrative access is required in order to execute the installation script used to set up the Virtual Directory and COM+ application
- The COM+ application can run under an unprivileged account
- The application directory specified in the setup scripts must exist must reside on a local drive

3.4 Email Server

- Access to an Exchange Server and a MAPI profile configured with Outlook

OR

- SMTP Server that is properly configured to accept forwarded SMTP messages from the GSI application server(s)

4.0 INSTALLATION PROCEDURES

The complete content of the setup directory must be copied to each of the servers where GSIELG components will be installed.

4.1 Database Installation

“Create Database” (typically sa) permissions are required to create a database on the SQLMSDE server. Contact your database administrator if you do not have appropriate access.

In order to create the database, use the "InstallDB.bat" file. Set the parameters in the file to appropriate values and then run it locally on the database server.

Edit the following parameters (do not remove quotation marks):

SET SQLserverName="Server"	- Set to match your database server name
SET saUser="sa"	- Set to the logon ID that has "Create Database" rights
SET saPassword="password"	- Set to match the password of the saUser above
SET useNTAuthentication=1	- Set to "1" if NT/2K security is used; "0" if SQL security
SET dbUserName="domain\user"	- Set to the user name that will access the database*
SET dbUserPassword="password"	- Set to the password of user accessing the database
SET mailServiceType="SMTP"	- Sets the system to use an SMTP or Exchange server

*Security on the SQL database can be either NT/2K Integrated or internal SQL security. If the application will use Integrated NT/2K security, identify an existing account that will be used to access the database. This account will be entered in the domain\user format (e.g., "domain\user"). If SQL security is used, account will be created by the installation script and should be entered in the "user" format.

4.2 Service Installation

In order to create the database, use the "InstallSvc.bat" file. Set the parameters in the file to appropriate values and then run it locally.

Edit the following parameters (do not remove quotation marks):

SET appPath="C:\ELG"	- Set to the application directory path
SET refreshRate=15	- Set to the appropriate refresh rate in minutes*
SET keyCompanyName="Company"	- Set to the value assigned in the licensing file**
SET keyPassword="Password"	- Set to the value assigned in the licensing file
SET SQLServerName="Server"	- Set to match your database server name
SET serviceUserName="domain\user"	- Set to the user name that will start the service
SET serviceUserPassword="password"	- Set to the password of the user above
SET useNTAuthentication=1	- Set to "1" for NT authentication; "0" for SQL
SET dbUserName=""	- Set to the user name that will access the database***
SET dbPassword=""	- Set to the password of user accessing the database

* It is recommended that a longer period between cycles be used when the application is first set up (to allow for initial collection of large number of event log records) and then decrease the rate to a smaller value. Administrators should experiment with the refresh rate value to allow for complete records collection during a single cycle (increase the refresh rate if necessary), and to ensure that the most current records are always in the database (decrease the refresh rate).

** The file that licenses the application, "encrypted.txt", will not be copied to this location by the installation script (if it is not supplied within the installation file set). This file must be copied manually into the bin subdirectory of the application root directory indicated by the script, in this case, "C:\ELG\bin". The licensing information is stored in clear text in the registry

*** Set dbUserName and dbPassword are only used if SQL security is used. These will be left blank if integrated NT/2K security is used (useNTAuthentication=0)

NOTE: The script that installs the service makes several entries into the Windows registry. These are located at:

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\GSEventLogGatherer

Some keys (for example refresh rate or licensing attributes) can be directly edited in the registry if any errors are made during set up. The service can then be stopped and restarted to accept the new values

4.3 COM+ and Web Component Installation:

The GSIELG Web component and the COM+ application must be installed on the same Windows 2000 Server with IIS5.0 or higher running.

In order to install the COM+ application and set up the virtual web directory, use the "InstallComWeb.bat" file. Set the parameters in the file to appropriate values and then run it locally on the web server.

Edit the following parameters (do not remove quotation marks):

SET SQLserverName="Server"	- Set to match your database server name
SET appPath="C:\ELG"	- Set to the directory path to be used
SET comUserName="domain\user1"	- Set to the user name that will start the COM+*
SET comPassword="password1"	- Set to the password of user starting the COM+
SET useNTAuthentication=1	- Set to "1" for NT authentication, "0" for SQL
SET dbUserName="domain\user2"	- Set to the user name that will access the database**
SET dbUserPassword="password2"	- Set to the password of user accessing the database

*The user account set to start the COM+ application does not have to be the same as the user account that will access the database, and this account does not have to have permissions on the database. Ideally the logon used to start the COM+ application will be the same logon that is used to start the GSIELG service.

** dbUsername and dbUserPassword must match username and password on the user having access to the database (supplied in the database installation script) and, in the InstallSvc.bat script, either serviceUserName and serviceUserPassword (for the NT integrated security) or dbUsername and dbPassword (for SQL security).

Appendix A: NT Integrated Security Batch Files Parameters Sample

If you use NT\2K integrated security, you should create an ELG domain account and give it administrator's rights to all monitored systems, service server, and give it logon as a service rights on the service server.

ELG domain account name - domain\ELG
ELG domain account password - ELGPass
SQL Server name - SQLServer
Database creator user name - sa
Database creator password - dbadmin1
Company Name - Gravity Square
Key Password – Seattle
Mail Delivery – Exchange or MAPI based
Installation directory - D:\ELG

InstallDB.bat

```
SET SQLserverName="SQLServer"  
SET saUser="sa"  
SET saPassword="dbadmin1"  
SET useNTAuthentication=1  
SET dbUserName="domain\ELG"  
SET dbUserPassword="ELGPass"  
SET mailServiceType="EXCHANGE"
```

InstallSvc.bat

```
SET appPath="D:\ELG"  
SET refreshRate=5  
SET keyCompanyName="Gravity Square"  
SET keyPassword="Seattle"  
SET SQLServerName="SQLServer"  
SET serviceUserName="domain\ELG"  
SET serviceUserPassword="ELGPass"  
SET useNTAuthentication=1  
SET dbUserName=""  
SET dbPassword=""
```

InstallComWeb.bat

```
SET SQLserverName="SQLServer"  
SET appPath="D:\ELG"  
SET comUserName="domain\ELG" (this actually can be any domain or local account)  
SET comPassword="ELGPass"  
SET useNTAuthentication=1  
SET dbUserName=""  
SET dbUserPassword=""
```

Appendix B: SQL Security Batch Files Parameters Sample:

If you use SQL (or MSDE) security, you should create an ELG domain account and give it administrator's rights to all monitored systems, service server, and give it logon as a service rights on the service server.

ELG domain account name - domain\ELG
ELG domain account password - ELGPass
SQL Server name - SQLServer
database creator user name - sa
database creator password - dbadmin1
Company Name - Gravity Square
Key Password – Seattle
Mail Delivery – SMTP based
Installation directory - D:\ELG

InstallDB.bat

```
SET SQLserverName="SQLServer"  
SET saUser="sa"  
SET saPassword="dbadmin1"  
SET useNTAuthentication=0  
SET dbUserName="ELGUser"  
SET dbUserPassword="ELGPassword"  
SET mailServiceType="SMTP"
```

InstallSvc.bat

```
SET appPath="D:\ELG"  
SET refreshRate=5  
SET keyCompanyName="Gravity Square"  
SET keyPassword="Seattle"  
SET SQLServerName="SQLServer"  
SET serviceUserName="domain\ELG"  
SET serviceUserPassword="ELGPass"  
SET useNTAuthentication=0  
SET dbUserName="ELGUser"  
SET dbPassword="ELGPassword"
```

InstallComWeb.bat

```
SET SQLserverName="SQLServer"  
SET appPath="D:\ELG"  
SET comUserName="domain\ELG" (this actually can be any domain or local account)  
SET comPassword="ELGPass"  
SET useNTAuthentication=0  
SET dbUserName="ELGUser"  
SET dbUserPassword="ELGPassword"
```