Email Security Log Server Configuration Utility

Email Security Log Server is the component that receives log records and processes them into the Log Database.

During installation, you configure certain aspects of Log Server operation, including how Log Server interacts with Websense Email Security Gateway. The Email Security Log Server Configuration utility lets you change these settings when needed, and configure other details about Log Server operation. This utility is installed on the same machine as Log Server.

To access the Email Security Log Server Configuration Utility:

1. From the Windows Start menu, select **Programs > Websense > Email Security > Email Security Log Server Configuration**.

   The Email Security Log Server Configuration utility opens.

2. Select a tab to display its options and make any changes. For detailed instructions, see:

   - *Configuring Log Server connections*, page 2
   - *Configuring Log Server database options*, page 2
   - *Configuring log cache files*, page 5

3. Click **Apply** to save the changes.

4. Use the **Connection** tab to stop and restart Log Server for the changes to take effect.

   > **Important**
   >
   > After making changes to any Log Server Configuration tab, click **Apply**. Then, you **must** stop and restart Log Server for the changes to take effect. To avoid restarting Log Server multiple times, make all Log Server Configuration changes before restarting Log Server.

Configuring Log Server connections

The **Connection** tab of the Email Security Log Server Configuration utility contains options for creating and maintaining a connection between Log Server and Websense Email Security Gateway.

1. Accept the default **Log Server input port** (50800) or enter another available port.

   This is the port over which the Log Server communicates with Email Security Gateway. The port entered here must match the port entered on the **Settings > Reporting Settings > Log Server** page in Email Security management server.

2. Click **Apply** to save any changes.

3. Use the button in the Service Status area to **Start** or **Stop** Log Server. The label of the button changes to reflect the action that will occur when you click it.

   > ✓ **Note**
   > No email traffic can be logged when Log Server is stopped.

Changes made in the Email Security Log Server Configuration utility do not take effect until you stop and restart Log Server.

Configuring Log Server database options

Open the **Database** tab of the Email Security Log Server Configuration utility to configure how Log Server works with the Log Database.

1. Choose a **Log Insertion Method** from the following options.

- Open Database Connectivity (ODBC): Inserts records into the database individually, using a database driver to manage data between Log Server and Log Database.

- Bulk Copy Program (BCP) *(recommended)*: Inserts records into the Log Database in groups called batches. This option is recommended because it offers better efficiency than ODBC insertion.

> ✔ **Note**
> The BCP option is available only if you install the SQL Server Client Tools on the Log Server machine.

2. Click the **Connection** button to select the Log Database for storing email traffic information from Email Security Gateway. See *Setting up the database connection*, page 4.

    ODBC Data Source Name (DSN) and **ODBC Login Name** display the settings established for the database connection.

3. If you chose BCP as the log insertion method in step 1, set the following options. If you chose ODBC as the log insertion method, skip this step.

Option	Description
BCP file path location	Directory path for storing BCP files. This must be a path where Log Server has read and write access.
	This option is available only if Log Server is installed on the Log Database machine, or if the SQL Server Client Tools are installed on the Log Server machine.
BCP file creation rate	Maximum number of minutes Log Server spends placing records into a batch file before closing that batch file and creating a new one.
	This setting works in combination with the batch size setting: Log Server creates a new batch file as soon as either limit is reached.
BCP maximum batch size	Maximum number of log records before a new batch file is created.
	This setting works in combination with the creation rate setting: Log Server creates a new batch file as soon as either limit is reached.

4. Set the **Maximum connections allowed** to indicate how many internal connections can be made between Log Server and the database engine. The options available depend on the database engine being used.

- **MSDE**: This value is preset to 4, and cannot be changed.

- **SQL Server**: Set to a number from 4 to 50, as appropriate for your SQL Server license. The minimum number of connections depends on the selected log insertion method.

> **✓ Note**
>
> Increasing the number of connections can increase processing speed for log records, but could impact other processes in the network that use the same SQL Server. In most cases, you should set the number of connections to fewer than 20. Contact your Database Administrator for assistance.

5. Check or uncheck **Enhanced logging** to enable or disable this option, which controls how Log Server resumes logging after it has been stopped.

   When this option is deselected (the default), Log Server begins processing at the beginning of the oldest log cache file after a stop. This could result in some duplicate entries in the Log Database, but speeds Log Server processing.

   When this option is checked, Log Server tracks its location in the active log cache file. After a restart, Log Server resumes processing where it stopped. Enhanced logging can slow Log Server processing.

6. Click **Apply** to save any changes, then stop and restart Log Server (see *Stopping and starting Log Server*, page 5).

Setting up the database connection

Related topics:

- *Configuring Log Server connections*, page 2
- *Configuring Log Server database options*, page 2

Click the **Connection** button on the Database tab of the Email Security Log Server Configuration utility to select the Log Database to use for storing incoming email traffic information. The Log Database connection is configured automatically during installation, but can be changed if you need to log to a different database. (The database must already exist to establish a connection.)

1. In the Select Data Source dialog box, select the **Machine Data Source** tab.
2. Select the Data Source Name corresponding to the database that you want to use for logging.
3. Click **OK**. The SQL Server Logon dialog box is displayed.
4. If the **Use Trusted Connection** option is available, make sure it is set properly for your environment.

   MSDE users: Uncheck the Trusted Connection option.

   SQL Server users: Contact your Database Administrator for assistance.

5. Enter the **Logon ID** and **Password** established when the database was created. Usually this is the same logon ID and password entered during Log Server installation and database creation.

6. Stop and restart Log Server via the **Connection** tab after making this and any other changes in the Email Security Log Server Configuration utility.

Configuring log cache files

Related topics:

◆ *Configuring Log Server connections*, page 2

◆ *Configuring Log Server database options*, page 2

◆ *Stopping and starting Log Server*, page 5

The **Settings** tab of the Email Security Log Server Configuration utility lets you manage the log cache file creation options.

1. Enter the path for storing log cache files in the **Cache file path location** field. The default path is **<installation directory>\bin\Cache**. (The default installation directory is C:\Program Files\Websense\Email Security\).

2. For **Cache file creation rate**, indicate the maximum number of minutes Log Server should spend sending email traffic information to a log cache file (**es*.tmp**) before closing it and creating a new file.

   This setting works in combination with the size setting: Log Server creates a new log cache file as soon as either limit is reached.

3. For **Cache file maximum file size**, specify how large a log cache file should be before Log Server closes it and creates a new one.

   This setting works in combination with the creation rate setting: Log Server creates a new log cache file as soon as either limit is reached.

4. Click **Apply** to save any changes, then stop and restart Log Server (see *Stopping and starting Log Server*, page 5).

Stopping and starting Log Server

Related topics:

◆ *Configuring Log Server connections*, page 2

Log Server receives information from Email Security Gateway and saves it in the Log Database for use when generating reports. It runs as a Windows service, typically started during installation, and starts any time you restart the machine.

Changes you make in the Email Security Log Server Configuration utility take effect only after you stop and restart Log Server. This can be done easily through the Connection tab in the Email Security Log Server Configuration utility.

1. From the Windows Start menu, select **Programs > Websense > Email Security > Email Security Log Server Configuration**.

2. In the **Connections** tab, click **Stop**.

3. Wait several seconds, and then click **Start** to restart the Log Server service.

4. Click **OK** to close the Email Security Log Server Configuration utility.

> **Note**
> Log Server cannot log email traffic information that occurs while the Log Server is stopped.