

# Application Note

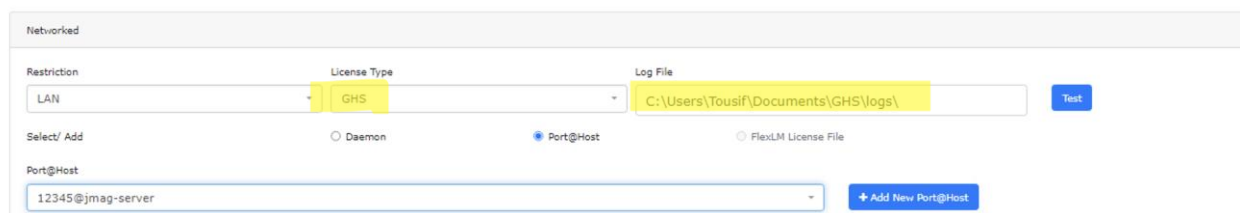
## GHS Setup



The operation of GHS data collection is very different from daemon systems because this is a log file driven system.

## Basic Usage Monitor Setup:

1. Click **Add New Line Item** under **Licenses** in the top menu bar, select **GHS** from the **License Type**
2. The full path to the log file **MUST** be entered in the **Log File** field.



The screenshot shows a configuration window titled "Networked". It contains several fields and buttons:

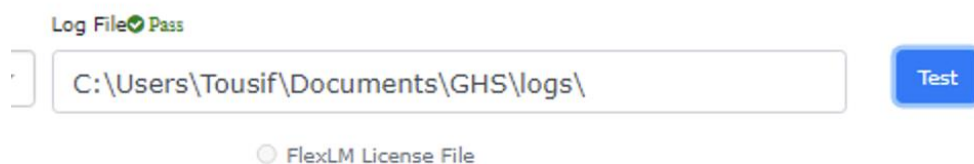
- Restriction:** A dropdown menu with "LAN" selected.
- License Type:** A dropdown menu with "GHS" selected.
- Log File:** A text input field containing the path "C:\Users\Tousif\Documents\GHS\logs\".
- Test:** A blue button next to the Log File field.
- Select/ Add:** Three radio buttons: "Daemon" (unselected), "Port@Host" (selected), and "FlexLM License File" (unselected).
- Port@Host:** A text input field containing "12345@jmag-server".
- + Add New Port@Host:** A blue button next to the Port@Host field.

3. A daemon/port@host, should be entered to give it the Tag Name identifier (friendly or meaningful name) and the host server for report generation and listing in the **Monitor Update** (Home) table. The port and daemon fields must be populated but are only a placeholder.

## Configuring Log Files

1. To best configure the log file in LAMUM requires the assistance of the system administrator. You will need to map the network accessible location of the log files to a locally accessible drive letter on the server running LAMUM. For instance, if your log files are accessible over the network at `\\yourhost\yourfolder\yourlogfile.dat`,
2. You will need to map `\\yourhost\yourfolder\` as a local drive (for more information, see “Mapping Network Locations”), like Z:\. Once you have that location mapped, your logfile entry within LAMUM will look like `Z:\yourlogfile.log_`. You can check if the log file path provided exists and is working by clicking on the “Test” button.

**Important Note: The username and password for the UM apache service (UMServer\_LAMUM) must match the login of the host account, and must be done each time the password is updated.**



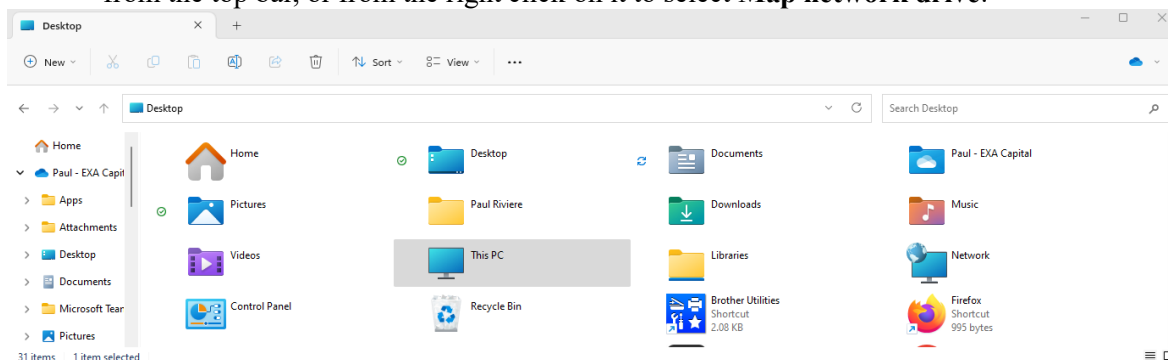
## Reasons why you may not get a green light:

1. The log file path does not exist.
2. The path to the log file is incorrect.
3. Login and permissions on the remote server and file share are not correct.

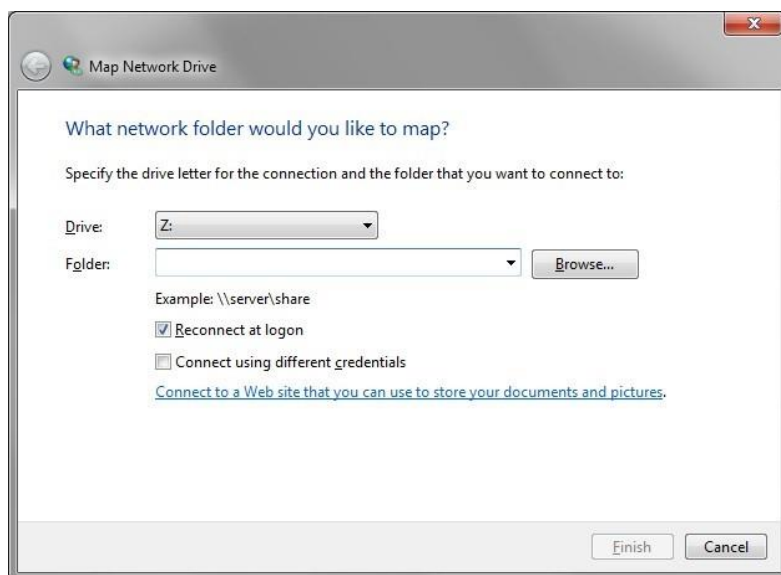
## Mapping Network Locations

If you know the location and are used to the Windows Command Prompt, you can simply use the command “`net use [drive letter]:\ [network location] /P:Yes`” if your server requires authorization add “`/user [username] [password]`”. If you are unfamiliar with the Command Prompt, there is a way to do the same from within File Explorer.

1. Open File Explorer.
2. Select **My Computer** or **Computer** or **This PC** and you can either choose **Map network drive** from the top bar, or from the right click on it to select **Map network drive**.



- In the dialog that pops up, choose an unused drive letter, then **browse...** to the desired, shared, network location or enter the `\\server\share` if you know it. Make sure you select **Reconnect at Logon** to make the mapping persistent through reboot. If you receive permission errors, check **Connect using different credentials** and try a user account with higher access rights. Clicking **Finish** completes mapping of the network drive.



## Environment Variable Setup

To capture this data, the system environment variable **LSERVOPTS** must be set on the license server and will look similar to `"-l C:\Application\Sentinel\usage.log -z 2m"`.

The log has a 2mb limit and will stop reporting when the threshold is met and will need to be rotated prior. Please find a referer to the GHS manager support if you have difficulties in setting up your usage log files.

## Detailed Setup

The GHS log parsing feature is used to capture the usage data from the log file. The log file locations **must be shared with full permission** on the server with both read and write access. You can set the log file location by going to **Licenses** in the top menu bar and selecting **Edit** in the Actions column of the licenses. **Note:** Format should be `\\server\share\folder\` or use the network drive created, e.g., `z:\folder\`.

The username and password for the Windows UM apache service (UMServer\_LAMUM) must match the login of the host account and must be done each time the password is updated.

Use the following steps: Launch the services controller by typing `services.msc` in the menu search box. Edit the **UMServer\_LAMUM** service by highlighting and then selecting the **Properties** option from the **Action** pull down menu. Change the login information by selecting the **Logon** tab, followed by the **This account** radio button. Enter the user name in the text box followed by the password, and then select **OK**. Finish the procedure by restarting the service.

The minimum log parsing collection interval is one day, so the collection time should be shortly before midnight and given enough time for all the Sentinel tools to complete their respective parsing operations. *i.e.* **23:51** (11:51 pm) every day.

To **check** that the log file path has been set up correctly, and/or to do an on-demand parsing of the log files, click the **Parse all Logs** button found on the left. This will activate the parsing feature and give you feedback as to the status of each log file.

Daily history snapshot can also be made by clicking **Parse recent Log**. Note that a license **won't** report history until it has been **released** by the user.

Complete instructions for the file system setup can also be found in LAMUM on the left menu column by navigating through **Parsers>Green Hills Parser**. Below are the same detailed instructions:

Enter Time of Day for GHS log parsing  
Choose the time of day after apache dumps the daily access log file (24hr clock).

**GHS Licenses Log Parse Settings**

Right now, your log files are parsed:  
Every day at 06:00

Time Interval

Time (24-hr clock)	Frequency (days)
06   00	01

Update Daily Collection

Parse All Logs   Parse Most Recent Log

Notes:  
Log files will be read at same set time.

The GHS log parsing feature is used to capture the usage data from the access log file once the user requests have been authenticated or can be identified by cookies. The log file locations must be shared with full permission on the server with both read and write access. You can set the log file location by going to the Licenses tab and selecting Edit in the Actions column of the licenses. Note: Format should be \\server\share\folder

Important Note: The username and password for the UM apache service must match the login of the host account, and must be done each time the password is updated. Use the following steps:  
Launch the services controller by typing services.msc in the menu search box. Edit the UMServer\_LAMUM service by highlighting and then selecting the Properties option from the Action pull down menu. Change the login information by selecting the Log On tab, followed by the This account radio button. Enter the user name in the text box followed by the password, and then select OK. Finish the procedure by restarting the service.

The log parsing interval should be after the final daily apache access log is generated.

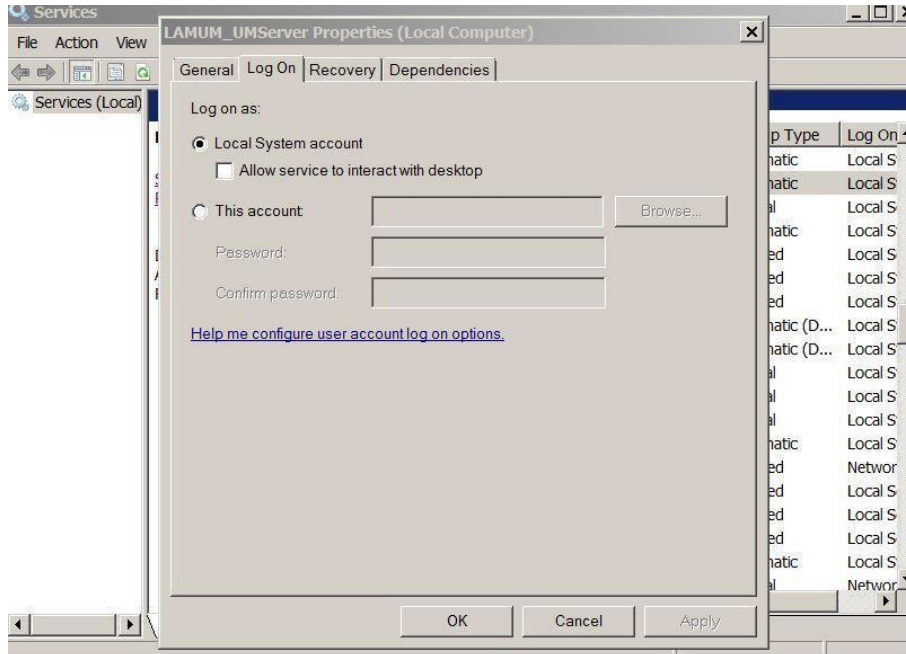
Recommended log file limit is 2MB.  
*i.e.* (00:30am) every night

To check that the log file path has been set up correctly, and/or to do an on demand parsing of the log files, click the Parse All Logs button located on the left. This will activate the parsing feature and give you a feedback as to the status of each log file.

Reasons why you may not get a GREEN light: 1. There is a firewall or permission problem, which is preventing LAMUM from communicating to the Log File location. 2. Permissions to read log file from the folder. 3. Authorization by Apache(Follow the steps under the Important Note above).  
See App Note for further instructions.

## Reasons why you may not get a green light:

1. There is a firewall or permission problem, which is preventing LAMUM from communicating to the Log File location.
2. Permissions to read log file from the folder.
3. Authorization by Apache
  - a. Go to Windows Services
  - b. Open UM Apache service > UMServer\_LAMUM
  - c. Right click and select Properties, go to Log On
  - d. Login with an admin account and restart the services.
4. Please make sure the tool name has no "" in it, as the Sentinel(RMS) parser is not accepting "" in the tool name.



**Note: The username and password for the Windows UM Apache service (UMServer\_LAMUM) must match the login of the host account and must be done each time the password is updated.**

**If you have any questions or need support, contact TeamEDA at:**

[support@teameda.com](mailto:support@teameda.com)

**(603) 656-5200**