



Application Note

Configuring DSLS Debug Log Files for Denials



The DSLS Debug log files contain Denial information which is needed to create Denial reports. LAMUM uses the DSLS debug logs to capture this information but the parsing of these log files must be systematic. Moreover, the log files must be at an accessible, consistent location.

Most companies do not let the DSLS debug log files grow indefinitely. Each port@host usually has its own corresponding DSLS Debug log. So, there may be multiple Debug logs to contend with.

For LAMUM to capture the denial data we need to have a synchronized log file. The log file locations need to be mapped as a locally accessible drive on the server with both read and write access.

You set the log file location (path) by going to the 'Licenses' tab and selecting 'Edit' in the Actions column for the specific License (Line Item) that you are seeking Denial reports for. You will need to map and enter the location of the log files folder for every License (Line Item) with a unique DSLS port@host.

If you have multiple log file servers, they will each need to be set to rotate log files at the same time, as each log file will be parsed at the same time/interval. We recommend setting the log files to rotate every 2 to 3 days at a time of day or at a 1MB log file limit where there are the least amount of users on the system.

Configuring Log File paths

To best configure the log files directory path in LAMUM you may require the assistance of your system administrator. You will need to map the network accessible location (**absolute path**) of the log files directory to a locally accessible drive letter on the server running LAMUM. For instance, if your log files folder is accessible over the network at `\\yourhost\yourlogfilefolder\logfiles.log`.

You will need to mount `\\yourhost\yourlogfilefolder\` as a local drive. You can check if the log file path provided exists and working by clicking on the "Test" button. (A new window opens showing the status of the log file path.)

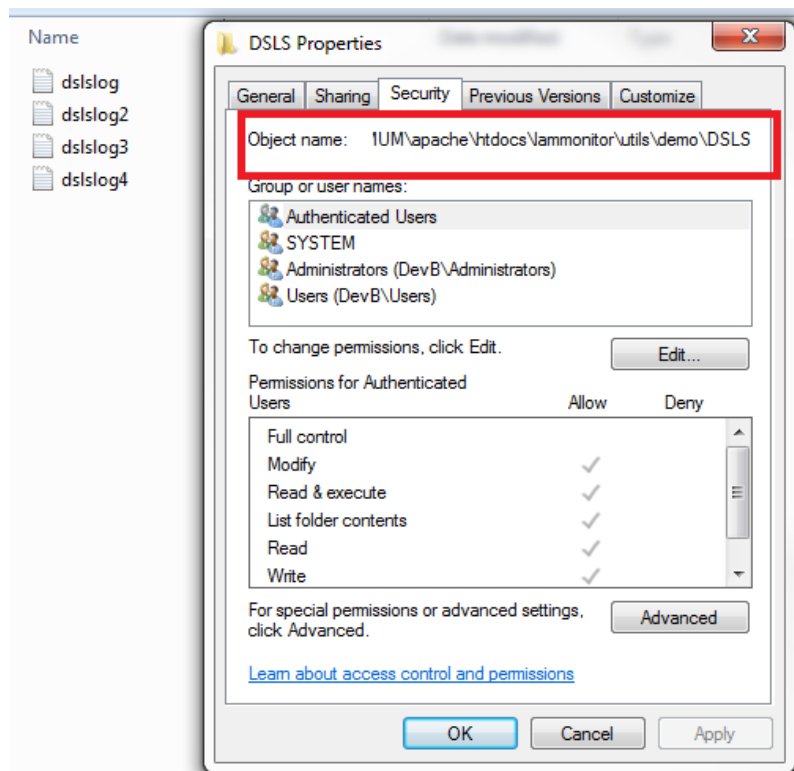
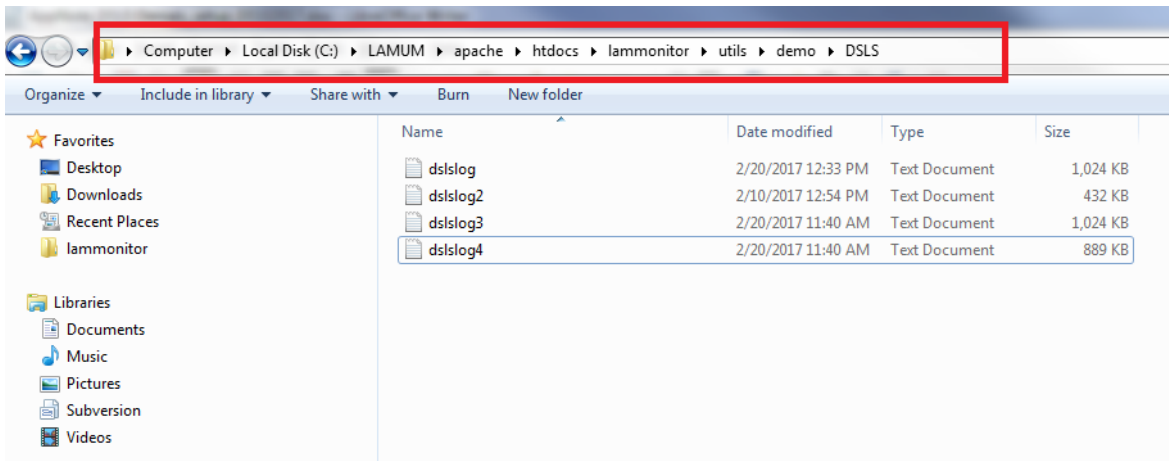
The screenshot shows the 'LICENSE ASSET MANAGER' interface. The main form is titled 'Update Line Item' and contains various fields for license configuration, including Vendor, Tool/Line Item, Date Acquired, Expiry Date, Quantity, Version, PO#, Tool Type, Purchase Type, Capital \$, Expense \$, Installer, Responsible Person, License No., and Notes. There are also sections for 'Standalone' and 'Networked' configurations. A 'Test' button is highlighted with a red box. A pop-up window titled '192.168.1.91:8181/lam/lamview/input/ValidateLogFile.jsp?path=\\192.168.1.200...' is overlaid on the form. It displays the 'Log File Path' as '//192.168.1.200\sharedrive\Altium' and shows a 'Status' indicator with a green bar. Below this, it states 'Status "Green" - log file path exists.' and 'Status "Red" - log file path doesn't exist.' A red box highlights the 'Test' button in the main form.

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.

For Log File on Local Machine

1. Most Important is to locate the Denials log file folder first which will change with vendor but below is an example
2. After locating the Debug log, right click on properties and go over to security



- Copy the “Object name” path (highlighted above) into the “Log File:” box in the **Networked** section of the License “Edit/Add” page (lower right corner)

Networked

Restriction:

License Type:

Log File:

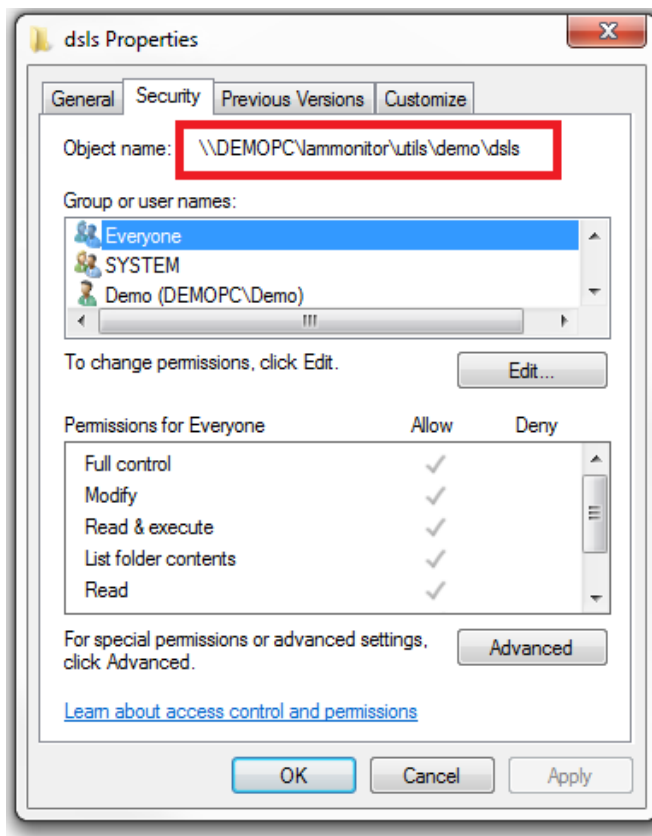
Select / Add: Daemon Port@host License File

Daemon/ISV: [Add New Daemon](#)

- Submit

For Log File over Network

- Follow same steps above and copy the path under Security/Object name
- Paste it into the Log File: box as below.



Networked

Restriction:

License Type:

Log File:

Select / Add: Daemon Port@Host License File

Daemon/ISV: [Add New Daemon](#)

3. Submit

Set time and frequency for DSLS log parsing

1. Go the Usage, Admin, DSLS Denial Parsing Setup.
2. Follow the instructions and set time of day (24-hour clock), and frequency (1-7 days). If log files are large, it is recommended that the parsing time be set between 2000 (8:00PM) and 0400 (4:00AM), when Users are off the system.
3. Select “Update Weekly Collection”

LICENSE ASSET MANAGER

Release Version : 7.1.0.0
Logout

Expirations PO Licenses Usage Vendors Tools Servers Reports Settings Daemon
Home Current History Denials Users Groups Batch Alerts Parsers Admin

Enter Time Interval for DSLS Log File Denial Parsing

Choose the time of day (24hr clock) and day interval.

DSLS Log Parse Settings

Right now, your log files are parsed:
Every 01 day(s) at 10:00

The DSLS log parsing feature is used to capture Denial data that is otherwise unavailable.

Time Interval

Time (24-hr clock) Frequency (days)
 :

[Update Weekly Collection](#)
[Parse All Logs](#) [Parse Most Recent Log](#)

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 **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.

If you have multiple log file servers, they will each need to set to rotate log files at the same time, as each log file will be parsed at the same time/interval. We recommend setting the log files to rotate every 2 to 3 days at a time of day where there are the least amount of users on the system.

i.e. 00:15 (12:15am) every 2 day(s)

To **check** that the paths are mapped and entered correctly, and/or to do an on demand parsing of the log files, click the **Parse Now** button located on the left. This will activate the parsing feature and give you a feedback as to the status of each log file.

See [App Note](#) for further instructions.

4. Test by selecting “**Parse Most Recent Log**”. A screen will show up with License Name, its corresponding path, and Status (Green/Red light indicating that it was found and read the log file). It may take a little time for this screen to show up. Be patient!



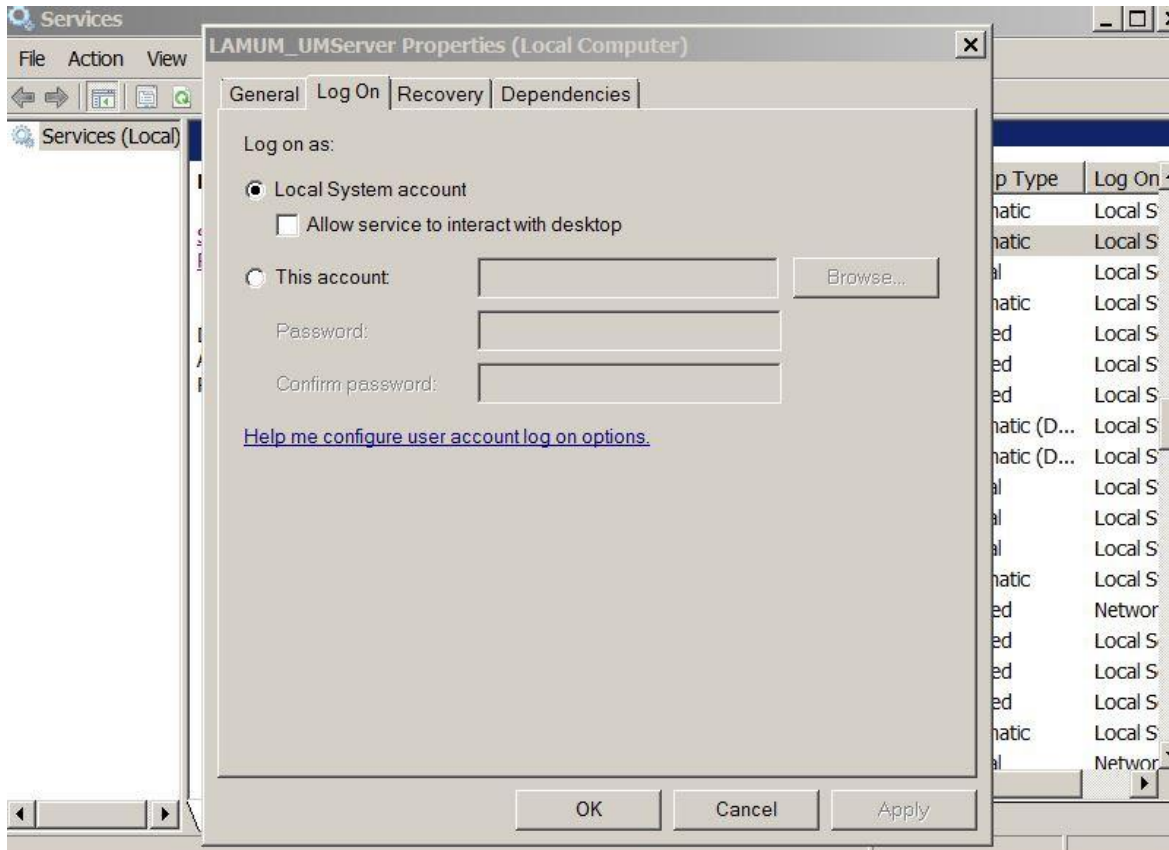
Enter Time Interval for DSLS Log File Denial Parsing

License Name (Hostname)	File Location	Status
DSLS2 (server2014)	C:\LAMUM\apache\htdocs\lammonitor\utils\demo\DSLS\dslslog.txt	Green
DSLS2 (server2014)	C:\LAMUM\apache\htdocs\lammonitor\utils\demo\DSLS\dslslog3.log	Green
DSLS2 (server2014)	C:\LAMUM\apache\htdocs\lammonitor\utils\demo\DSLS\dslslog4.log	Green
DSLS2 (server2014)	C:\LAMUM\apache\htdocs\lammonitor\utils\demo\DSLS\dslslog2.txt	Green

This will activate the parsing feature and give you a feedback as to the status of each log file.
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 Services
 - b. Open Apache services > UMServer_LAMUM
 - c. Right click and select Properties, go to Log On
 - d. Login with an admin account and restart the services.



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.

Log file rotation and synchronization

As standard practice, log files are under constant rotation. When the file reaches a pre-determined point(1MB), one of a few options may happen that will reset the file as empty. If possible, we want to set the “Parse Time” of the log files just before they are to be replaced.

One way of achieving this is move all the log files to the LAMUM server automatically and set the log file location of each so. A simple batch file, run via windows scheduler, would work to this purpose.

Example 1:

- Create batch file on LAMUM server (movelogfiles.bat):
 - move [log file original location] d:\lamum_debugfiles\[filename]
- Set Windows scheduler to run that batch file every x hours
- Set the log file location in LAM to: d:\lamum_debugfiles\[filename]

Example 2:

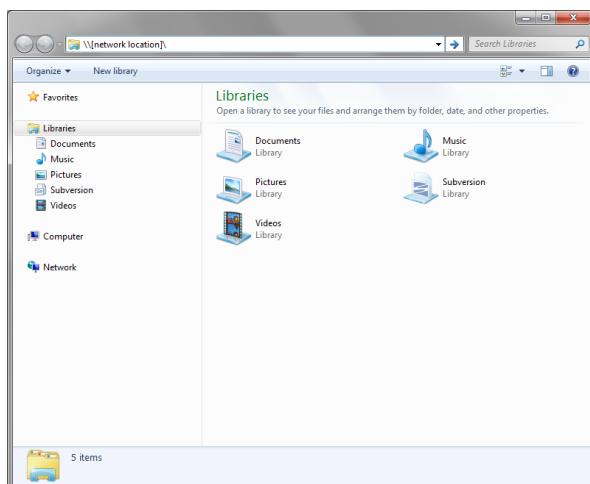
- Create batch file on each license server:
 - move [log file original location] [new file location]
- Schedule with cron or Windows Scheduler to run every x hours on the license server. Map the network location of each license servers log file to the LAMUM server. Set the log file location for each license to the mapped network drive on the LAMUM server.

To capture the most data in the latter example, LAMUM will need to mirror the log file rotation in its parsing. If the log file is set to rotate every day, at midnight. It would be best to set the parsing of the log file to start every day at 11:30pm. This gives enough time for the file to be checked before it is erased. One caveat to be aware of: even if the parsing is set to the same interval, you need to be sure that it's every X days and happening on the SAME day. Not every two days from Monday on the log, and every two days from Tuesday on the parse.

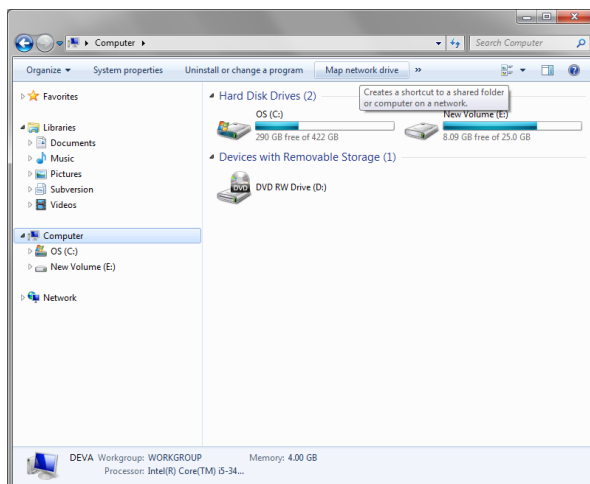
Mapping Network Locations

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 accomplish the same from within File Explorer.

1. Open File Explorer.



2. Select “My Computer” and you can either choose “Map network drive” from the top bar, or from the right click menu.



3. In the dialog that pops up, choose an unused drive letter, then “Browse...” to the desired, shared, network location. Make sure you select “Reconnect at Logon” to make the mapping persistent through reboot. If you are getting permission errors, check “Connect using different credentials” and try a user account with higher access rights. Clicking “Finish” creates the mapping.

