



Inova Solutions
A Geomant Company

LightLink Log Viewer Solution Guide

LightLink Log Viewer
Solution Guide

August 16, 2010

NOTICE OF TRADEMARK:

Inova LightLink and its components are trademarks of Inova Solutions.

While reasonable efforts have been taken in the preparation of this document to ensure its accuracy, Inova Solutions, Inc. assumes no liability resulting from any errors or omissions in this manual, or from the use of the information contained herein.

© 2021 Inova Solutions, Inc., a Geomant Company
971 2nd ST S.E.
Charlottesville, VA 22902
434.817.8000
www.inovasolutions.com

Table of Contents

1. Introduction and Overview	1
1.1. Accessing Log Viewer	1
1.2. Using the Log Viewer Icons.....	2
1.2.1. Streams	3
1.2.2. Log Files	3
1.3. Selecting from the Log Chooser	3
2. Using Find	4
2.1. Finding Specific Text.....	4
2.2. Finding Again.....	4
2.3. Reversing the direction of search.....	4
3. Using the Stream View	5
3.1. Viewing a Stream.....	5
3.2. Saving a Stream.....	5
3.3. Printing a Stream.....	6
3.4. Setting Filters	6
4. Remote Log Viewing	7
4.1. Adding a Remote Host.....	7
4.2. Deleting a Remote Host.....	7
5. Viewing the Log File	8
5.1. Opening a Log File	8
5.2. Saving a Log File	9
5.3. Printing a Log File	9
6. Log Viewer Menu Options	10

1. Introduction and Overview

This document will provide you with an overview of Inova LightLink™ Log Viewer and the procedures for utilizing the options within Log Viewer.

Log Viewer allows you to see the contents of error log files and to obtain diagnostic information for record streams. With Log Viewer you can:

- Display Diagnostic information and error logs for the various subsystems of Inova LightLink. This information is displayed as an Inova LightLink Diagnostic Log. (See Figure 1.)
- Set up a Remote View of logs on the Inova LightLink Core Server or on any other LightLink machine that is running `i_uls.exe`, the unified logging subsystem.

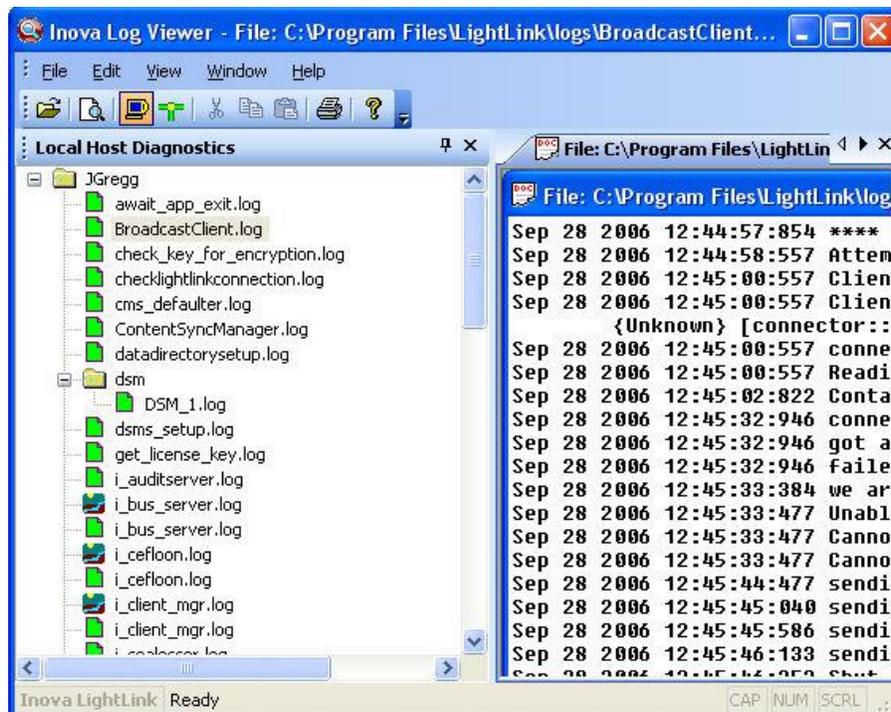


Figure 1

1.1. Accessing Log Viewer

You can access the Log Viewer through one of these paths:

- Administrator > Log Viewer  icon
- System Manager > Tools > Log Viewer
- Start > All Programs > Inova LightLink > Tools > Log Viewer

Once Log Viewer is open, the main screen will look like Figure 2.

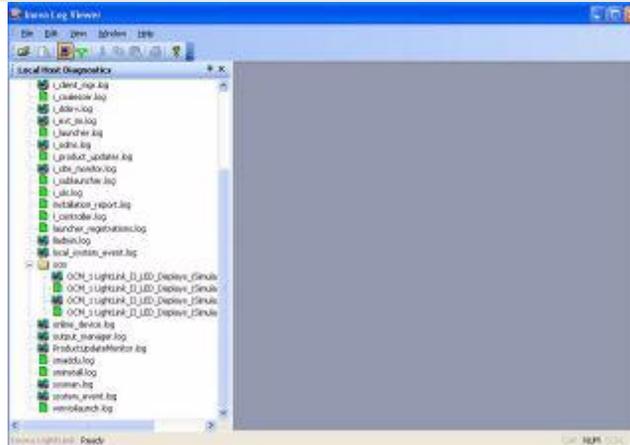


Figure 2

1.2. Using the Log Viewer Icons

You can use Log Viewer to select and display two types of Diagnostic Logs: Streams or Log Files.

The Log Viewer main window has two panes.

- Use the Log Chooser in the left-hand pane of Log Viewer to select the Diagnostic Log(s) you wish to display.
- When you double-click on a Diagnostic Log, its data is displayed in Log Viewer's right-hand pane, in a separate window (Figure 3).

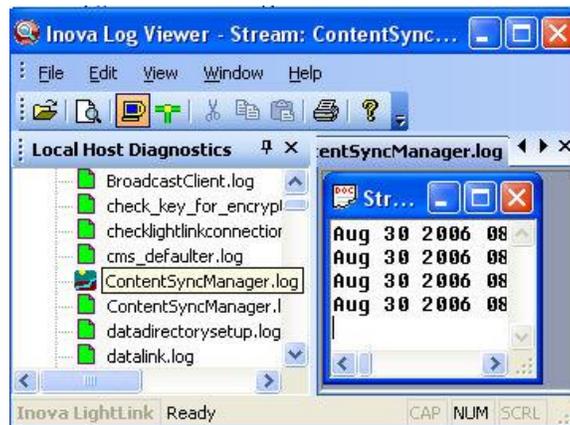


Figure 3

Every Stream will have a corresponding Log File by the same name, but the reverse is not necessarily true. Some Log Files may not have matching Streams.

1.2.1. Streams

 `datadir.log` This is a Stream. The icon indicates an active, "live" view of server or client activities.

The window for a Stream is continuously updated with new log entries as they become available. Streams may contain a maximum of 128K before they are truncated. When an Inova LightLink application is closed, its streams are closed.

1.2.2. Log Files

 `datadir.log` This is a Log File. The icon indicates a diagnostic file that is stored in the Inova LightLink Logs directory.

The window for a Log File is not updated automatically, but a more up-to-date view of the file can be acquired by closing and re-opening the window. Log Files may grow to 1.2M before truncation occurs.

1.3. Selecting from the Log Chooser

Once you have determined the Log File or Stream you wish to display, double-click on its icon on the Log Chooser to bring up the window associated with that Log File or Stream.

The Log Chooser displays an icon for each Log File or Stream present at the time Log Viewer is invoked (Figure 4).

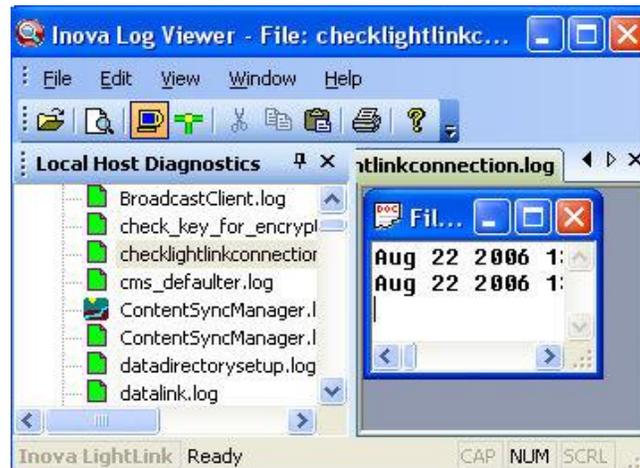


Figure 4

2. Using Find

2.1. Finding Specific Text

Follow these steps to use the find specific text in Log Viewer:

1. Choose *Edit > Find* or Hold down the *CTRL* key and press *F*. The *Text Search* dialog appears (Figure 5).

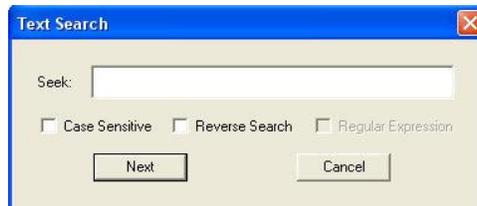


Figure 5

- a. Click to mark the *Case Sensitive* setting if you want to specify upper-/lowercase for your search (e.g., find "Exit" and not "exit").
 - b. Click to mark *Reverse Search* if you are at the bottom of a file or want to change the direction of the search.
 - c. Type in the text you wish to locate.
2. Click *Next* to continue. Click *Cancel* to stop the Text Search feature.

When Log Viewer finds the last matching text and tries to search again, the *Help: No topics found* dialog appears.

2.2. Finding Again

If you wish to use Find again, you can either choose *Edit > Find Again* or you can just press the *F3* button.

Log Viewer remembers the text you entered during the previous search. Press *F3* to repeat the text search as often as necessary.

2.3. Reversing the direction of search

To reverse the direction of the search, you can either choose *Edit > Find* or you can hold down the *CTRL* key and press *F*.

When the Text Search dialog appears, Log Viewer remembers the text you entered during the previous search.

Click to mark the *Reverse Search* setting and click *Next* to continue.

To search through a long file with many expected text matches, you can hold down the *F3* key to move rapidly from match to match.

3. Using the Stream View

To view a stream in Log Viewer, choose View | Stream View to make Streams visible in Log Chooser.

All Streams will be shown.

To hide all Streams, choose View | Stream View to remove the check mark and disable this option.

3.1. Viewing a Stream

Choose File > View Stream.

On the Stream Name dialog box (Figure 6), enter the name of the stream and then click OK.



Figure 6

The diagnostic view window for the Stream File appears (Figure 7).



Figure 7

3.2. Saving a Stream

Choose File > Save As.

On the Log Viewer Save As dialog box, enter a file name and click *Save* to save the stream.

3.3. Printing a Stream

1. Double-click on the desired Stream on the Log Chooser to bring up its window.
2. Choose *File > Print* or click *Print* on the toolbar. The standard Windows print dialog appears. *You may print only one Stream at a time.*
3. Adjust print properties (copies, orientation, etc) as needed.
4. Send the output to the printer as you normally do.

Caution: These files may be quite large when printed.

3.4. Setting Filters

When you right click on a stream file view and then right-click, a menu appears that allows you to set the filters for the stream file (Figure 8).

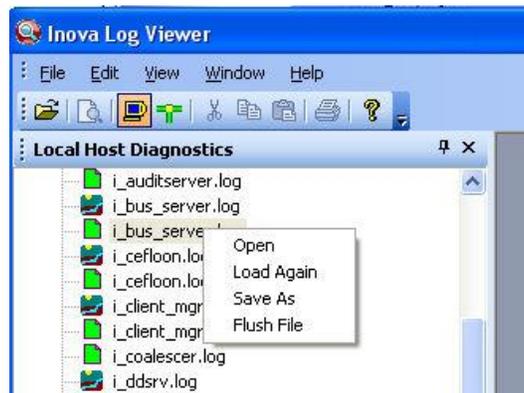


Figure 8

You will have the following options on the right-click menu for the highlighted stream file view:

- **Open:** Allows you to open the highlighted stream file
- **Load again:** Shows the log view information again for the selected stream file
- **Save as:** Allows you to save the file by a choosing a new and different file name
- **Flush file:** Shows the log view for the selected stream file as empty

4. Remote Log Viewing

Remote Log Viewing allows a LightLink User to check the status of other LightLink-enabled machines in the enterprise. All of the Log Files and Streams associated with a Remote Host can be viewed via Log Viewer.

4.1. Adding a Remote Host

Choose File > Add Host.

On the Hostname window (Figure 9), enter the hostname or IP Address of the computer to which you want to connect and then click OK.



Figure 9

If the `i_uls.exe` is running on the target machine, the hostname and its associated Log Files appear in the Log Chooser in the left-hand pane of the Log Viewer.

4.2. Deleting a Remote Host

1. Highlight the hostname to be deleted from the Log Chooser.
2. Choose File > Remove Host.
3. On the Hostname window, enter the hostname or IP address of the computer that you wish to remove and then click OK.

In the left-hand pane of the Log Viewer, the hostname and its associated Log Files and Streams are deleted from the Log Chooser.

5. Viewing the Log File

To show All Log Files in the Inova LightLink Logs directory, choose View > Log File View to make Log Files visible in the Log Chooser.

To hide all Log Files, choose View > Log File View to remove the check mark and disable this option.

5.1. Opening a Log File

Choose File > Open Log File or click Open on the Log Viewer toolbar. On the Open window (Figure 10), select the desired Log File from the list. You can either click the Open button or double-click on the file name.

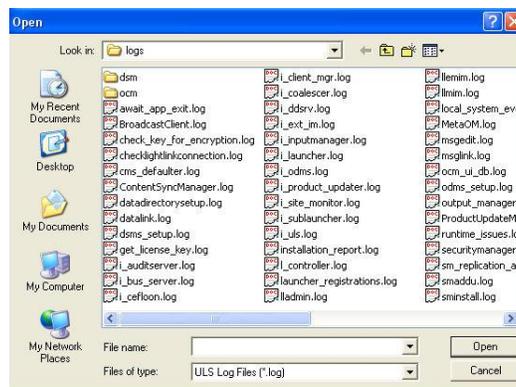


Figure 10

Any Diagnostic Log can be opened here, but the Log Chooser only shows files that reside in the Inova LightLink Logs directory.

The Log File appears in its own diagnostic window, in the right-hand pane of the Log Viewer (Figure 11).



Figure 11

Resize the Log Viewer and the Log File window to see as much of the file as you require.

5.2. Saving a Log File

Choose File > Save As.

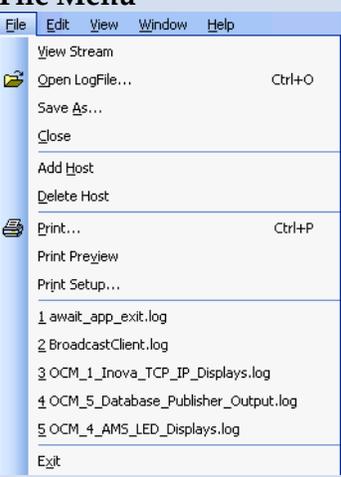
On the Save As window, enter a file name and click Save to save the Log File.

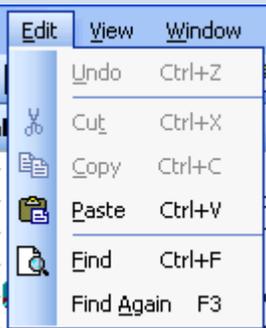
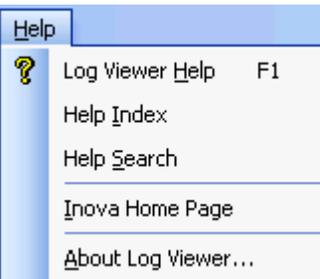
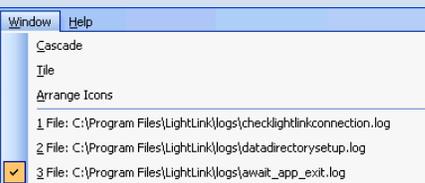
5.3. Printing a Log File

1. Highlight the desired Log File on the Log Chooser and double-click to open its window.
2. Choose File > Print *or* click Print on the toolbar. The standard Windows print dialog appears. *You may print only one Log File at a time.*
3. Adjust print properties (copies, orientation, etc) as needed.
4. Send the output to the printer as you normally do.

Caution: These files may be quite large when printed.

6. Log Viewer Menu Options

 <p>File Menu</p> <ul style="list-style-type: none"> View Stream Open LogFile... (Ctrl+O) Save As... Close Add Host Delete Host Print... (Ctrl+P) Print Preview Print Setup... 1 await_app_exit.log 2 BroadcastClient.log 3 OCM_1_inova_TCP_IP_Displays.log 4 OCM_5_Database_Publisher_Output.log 5 OCM_4_AMS_LED_Displays.log Exit 	<ul style="list-style-type: none"> • View Stream: Open a dialog to select a Stream by typing in its name • Open Log File: Open an existing Log File • Save As: Save the file by a specified file name • Close: Close the current file • Add Host: Add a Remote Host to the Log Viewer tree • Delete Host: Remove a Remote Host from the Log Viewer tree • Print: Print the current file • Print Preview: Display a thumbnail print view of the Log File or Stream • Print Setup: Access the print dialog for network and local printers • List of Files: Provide a list of recently accessed Log Files and Streams • Exit: Exit the Log Viewer
 <p>View Menu</p> <ul style="list-style-type: none"> Standard Log Chooser Stream View Log File View ULS Status 	<ul style="list-style-type: none"> • Standard: Log Viewer Toolbar and buttons • Log Chooser: Log Chooser • Stream View: All Streams • Log File View: All Log Files • ULS Status: Unified Logging Subsystem (ULS) status window

<p>Edit Menu*</p> 	<ul style="list-style-type: none"> • Undo: Undo the most recent action taken • Cut: Copy text to the Windows clipboard, removing it from the Log Viewer Log File window • Copy: Copy text to the Windows clipboard, leaving it in place in the Log File window • Paste: Copy text from the Windows clipboard to the current cursor location in the Log Viewer Log File window • Find: Enter text for search for in the file • Find Again: Press F3 or choose this option to repeat the identical previous text search
<p>Help Menu</p> 	<ul style="list-style-type: none"> • Log Viewer Help: Start at the beginning with the Introduction to On-line Help for Log Viewer • Help Index: Access the Index for quick location of procedure- or command-specific help • Help Search: Access the Search option for quick location of procedure or command-specific help • Inova Home Page: Access the Inova website and FAQ • About Log Viewer: Access copyright information and Inova Development Team credits
<p>Window Menu*</p> 	<ul style="list-style-type: none"> • Cascade: Stack the open windows one behind the other, slightly overlapping • Tile: Display the open windows, sized to all fit in the main window and touching edges at top, bottom, and side, as with ceiling or floor tiles • Arrange Icons: Cause any "stray" minimized window icons to form rows at the bottom of the main window • [Current File List]: Display the titles of all Log Viewer windows that are currently open. The check box will indicate the most recently opened file.

**Under some operating systems, this menu is only visible when there is a window displayed in the right-hand panel of Log Viewer.*