

LX 2.0 - Working with Syslogs

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Overview

To parse and analyze a log file, simply open the file with Log Exchange (LX). By default, no SIP messages or IP addresses are excluded, so all SIP messages are included in the log from every peer connected to SBC systems or VX. However, no module errors exist in the log as these are off by default.

Menu Options

Figure 1: LX Syslog Server

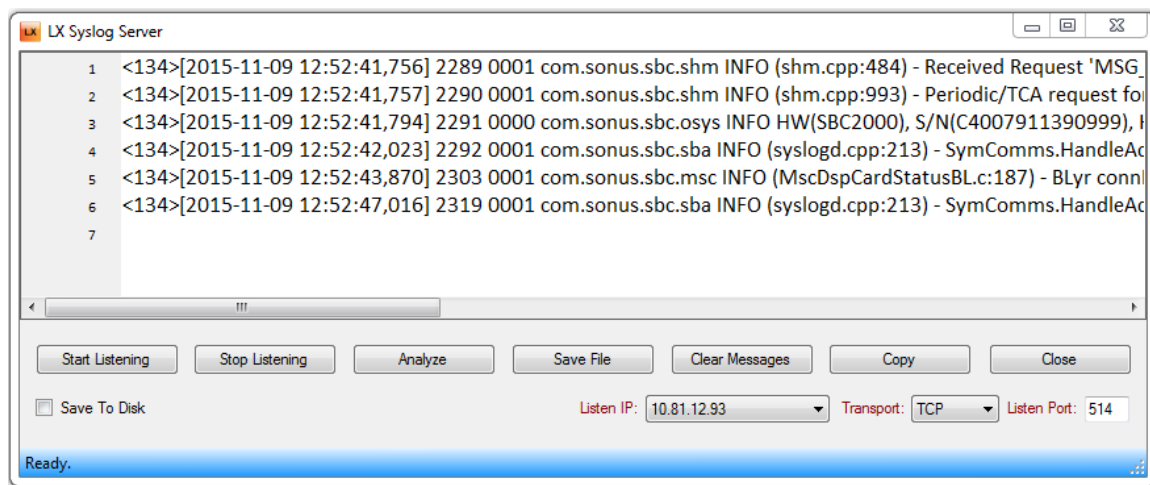



Table 1: Menu Bar Options


Menu Option	Description/Options
Start Listening	Begins listening to SBC or VX system
Stop Listening	Stops listening to SBC or VX system
Analyze	Analyzes syslog file
Save File	Saves syslog file

Clear Messages	Clears syslog file
Copy	Copies syslog log file
Close	Closes syslog Server
Save to Disk	Saves syslog file to disk. <div style="border: 1px solid #ccc; padding: 5px; background-color: #e6f2ff;">  The log destination is determined in the settings, see Working with Settings and Filters </div>
Listen IP	Specifies IPv4 and IPv6 for the LX system
Transport	Specifies method of transport: TCP or UDP
Listen Port	Specifies port to use on the LX system

Opening Saved Log Files

There are three methods of opening a saved log file (`filename.log`) in LX:

1. In the File menu, click **Open** and browse for the file.

 Or use the keyboard shortcut and browse for the file.

2. Drag the file's icon onto the LX User Interface.
3. Double-click the file's icon.

Copying Syslog Files

Use a text editor associated in Windows to copy the current Syslog Server buffer to a text `.txt` file.


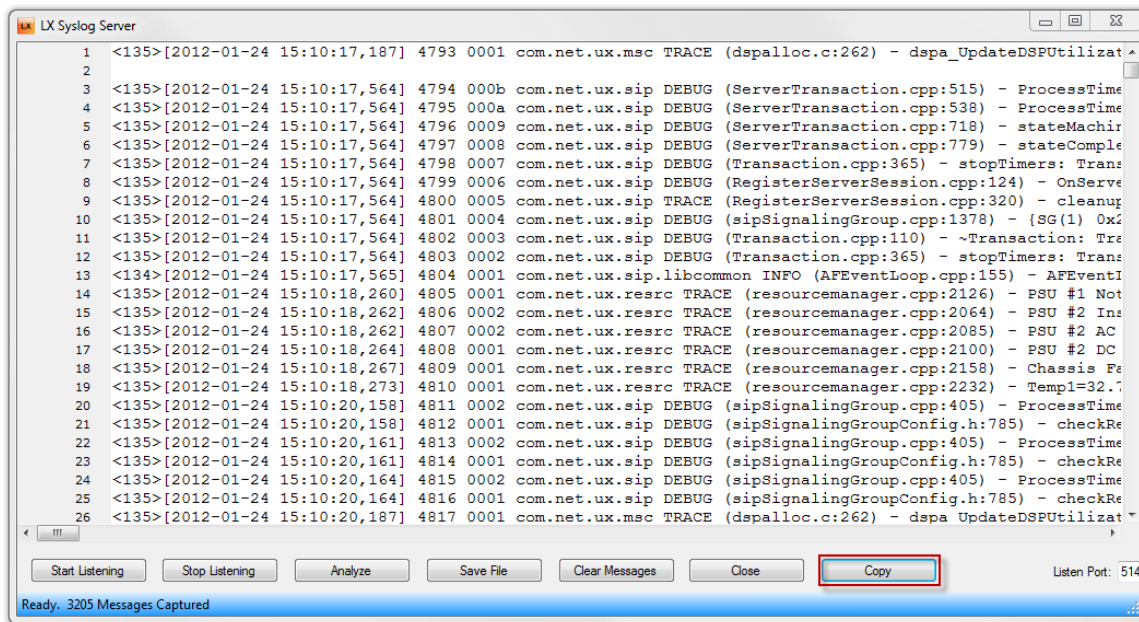
 If the `.txt` file is not specifically associated with any other application, Windows will automatically use Notepad.

Figure 2: Copying Syslog Files



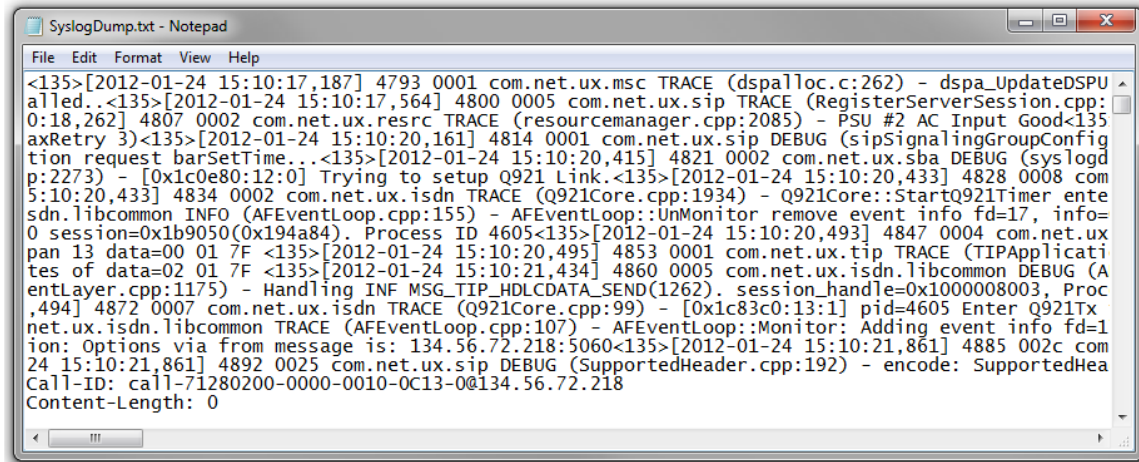
To copy the current buffer to a text editor:

1. In the LX Syslog Server window, click **Copy**.

The contents of the syslog buffer are copied and opened in the associated text editor the instant you click **Copy**.

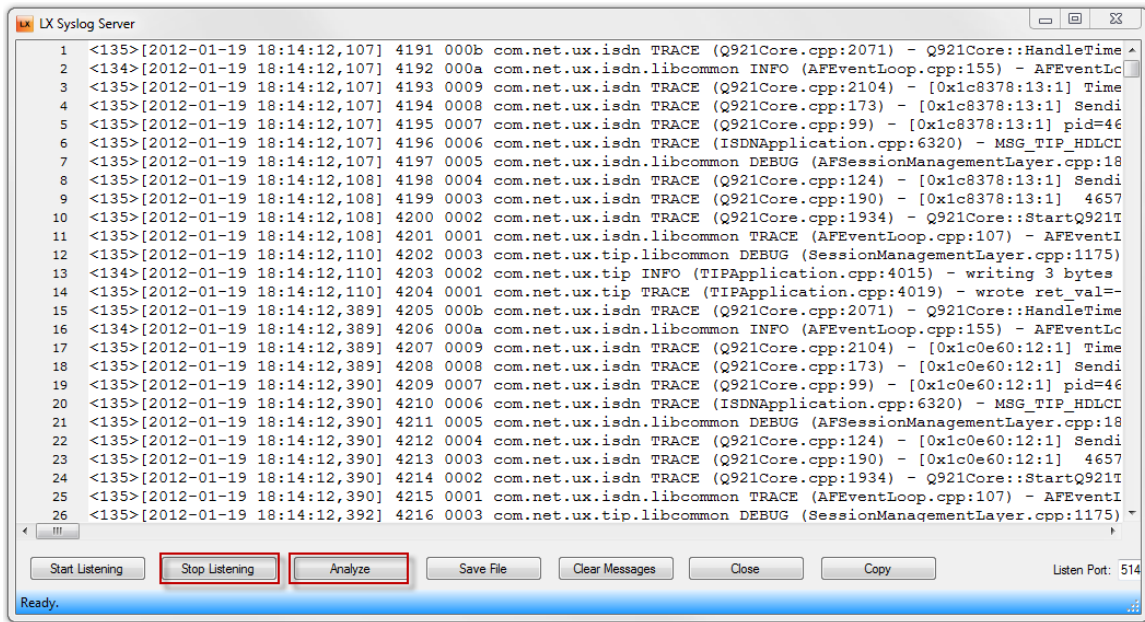
The syslog buffer continues to capture log entries as they come from the SBC system, and none of the copied content is lost.

Figure 3: Notepad



Analyzing LX Syslog Server Captured Messages

Figure 4: Analyze Calls



To begin analyzing captured syslog messages

 To exclude a SIP Method or IP address configure settings before analyzing. For more details, see [Working with Settings and Filters](#).

1. In the LX Syslog Server dialog
 - a. Click **Stop Listening**, then
 - b. Click **Analyze**.

Syslog File Management

Use Syslog File Management for a real time view on the current state of the syslogs in the file directory, and to open, analyze and delete files. The file directory is set under **Syslog Server Settings** (see working with [Working with Settings and Filters](#)).

 The active file appears in red; all other files appear in black.


Figure 5: Syslog File Management

Syslog Filename	Size	Last Updated	Filepath	Open	Analyze	Delete
02-26-2016 03.41.07 PM.log	1	2/26/2016 3:41 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.41.07 PM.log	Open	Analyze	Delete
02-26-2016 03.40.22 PM.log	3	2/26/2016 3:41 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.40.22 PM.log	Open	Analyze	Delete
02-26-2016 03.39.42 PM.log	3	2/26/2016 3:40 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.39.42 PM.log	Open	Analyze	Delete
02-26-2016 03.39.02 PM.log	3	2/26/2016 3:39 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.39.02 PM.log	Open	Analyze	Delete
02-26-2016 03.38.22 PM.log	3	2/26/2016 3:39 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.38.22 PM.log	Open	Analyze	Delete
02-26-2016 03.37.47 PM.log	3	2/26/2016 3:38 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.37.47 PM.log	Open	Analyze	Delete
02-26-2016 03.37.12 PM.log	3	2/26/2016 3:37 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.37.12 PM.log	Open	Analyze	Delete
02-26-2016 03.36.37 PM.log	3	2/26/2016 3:37 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.36.37 PM.log	Open	Analyze	Delete
02-26-2016 03.35.52 PM.log	3	2/26/2016 3:36 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.35.52 PM.log	Open	Analyze	Delete
02-26-2016 03.35.06 PM.log	3	2/26/2016 3:35 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.35.06 PM.log	Open	Analyze	Delete
02-26-2016 03.34.26 PM.log	3	2/26/2016 3:35 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.34.26 PM.log	Open	Analyze	Delete
02-26-2016 03.33.46 PM.log	3	2/26/2016 3:34 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.33.46 PM.log	Open	Analyze	Delete
02-26-2016 03.32.56 PM.log	3	2/26/2016 3:33 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.32.56 PM.log	Open	Analyze	Delete
02-26-2016 03.32.11 PM.log	3	2/26/2016 3:32 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.32.11 PM.log	Open	Analyze	Delete
02-26-2016 03.31.31 PM.log	3	2/26/2016 3:32 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.31.31 PM.log	Open	Analyze	Delete
02-26-2016 03.30.51 PM.log	3	2/26/2016 3:31 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.30.51 PM.log	Open	Analyze	Delete
02-26-2016 03.30.11 PM.log	3	2/26/2016 3:30 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.30.11 PM.log	Open	Analyze	Delete
02-26-2016 03.29.36 PM.log	3	2/26/2016 3:30 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.29.36 PM.log	Open	Analyze	Delete
02-26-2016 03.29.01 PM.log	3	2/26/2016 3:29 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.29.01 PM.log	Open	Analyze	Delete
02-26-2016 03.28.16 PM.log	3	2/26/2016 3:29 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.28.16 PM.log	Open	Analyze	Delete
02-26-2016 03.27.31 PM.log	3	2/26/2016 3:28 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.27.31 PM.log	Open	Analyze	Delete
02-26-2016 03.26.51 PM.log	3	2/26/2016 3:27 PM	C:\Users\kmoorthy\Desktop\LX Syslogs\02-26-2016 03.26.51 PM.log	Open	Analyze	Delete

[Total Files: 316] [Total Size: 1051 MB]

Syslog Separator for Multiple Clients

Use the Syslog Separator to separate the syslog data received from multiple clients.

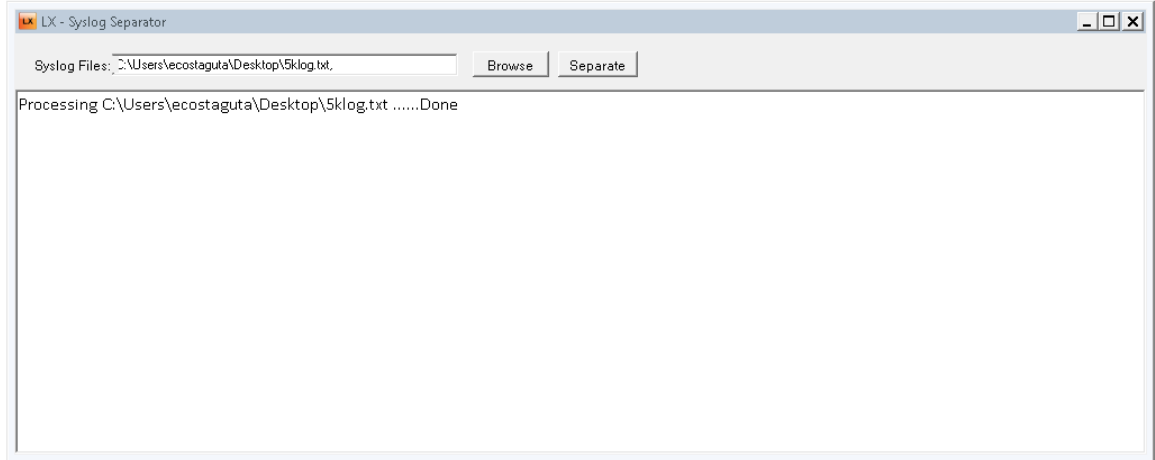
 Make sure to set up a Log Destination before performing this procedure. For more information, see [Working with Settings and Filters](#)

To separate a log file

1. Go to **Tools > Syslog Separator** in the menu bar
2. Click **Browse** and select log file
3. Click **Separate**

When the Syslog Separator is complete, new files will appear under their appropriate folders.

Figure 6: Syslog Separator



Syslog Loss Analyzer

Use the Loss Analyzer feature to inspect log file and determine whether or not there are missing log lines.

 This feature is only supported for SBC Edge (1000/2000) log files.

To examine a log file

1. Go to **Tools > Syslog Loss Analyzer** in the menu bar
2. Click **Browse** and select log file
3. Click **Open**
4. Click **Analyze**

Figure 7: Loss Analyzer

