

LSS Database Email Administration

The LSS Database has the following set up administrative screens, Mail Admin, Notification Admin, and Database Admin. The Mail Admin view contains the configuration for setting up a client that connects to an email server to send notifications.

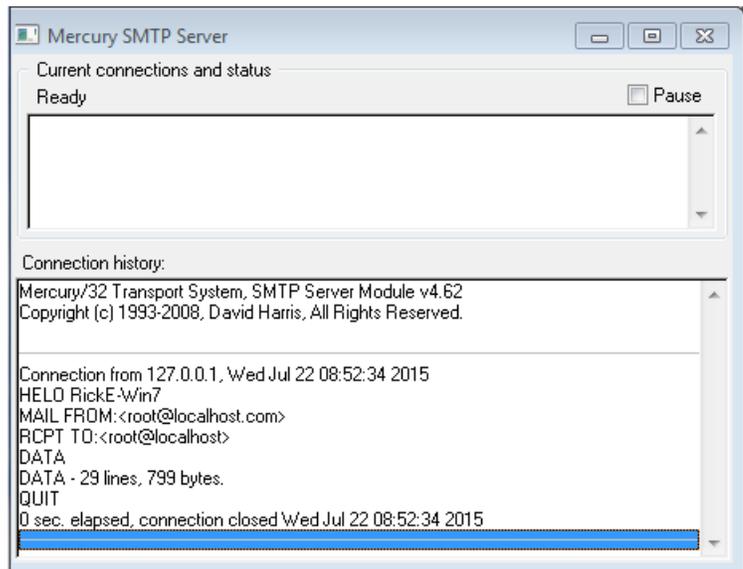
Mail Settings

Host Name	<input type="text" value="localhost.com"/>
Port	<input type="text" value="25"/>
UserName	<input type="text" value="root@localhost.com"/>
Password	<input type="password" value="....."/>
Server Type	<input type="text" value="PHP Mail"/>
Authorization	<input type="checkbox"/> Unsecure connection
Encryption Type	<input checked="" type="radio"/> TLS <input type="radio"/> SSL
<input type="button" value="Test"/> <input type="button" value="Refresh"/> <input type="button" value="Save"/>	

The IP Address or Domain Name for the email server is configured in the Host Name input field. An email client will use the designated port to establish the connection along with a user email account name and password. The type of service is available in the Server Type drop down list with an encryption option to keep the email message content private.

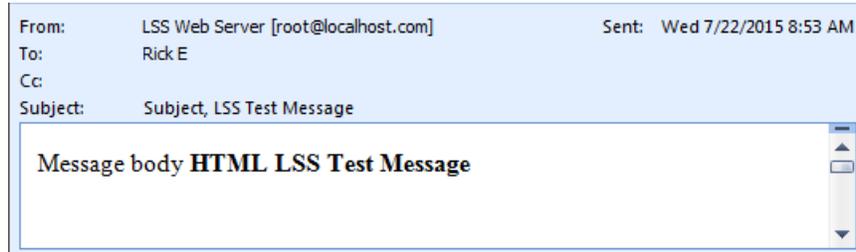
For verification an active email server and local host test server is used to verify the LSS Database functionality (software development). As shown in the following screen capture the email server received a connection request follow by an email transmission from the LSS Database.

The system administrator is Rick E with an email address of root@localhost. When Rick E is logged in, the current user's properties are retrieved from the database to be used in the administrative actions such as sending a test email. As noted following the activation of the test email, a connection from the LSS Database is done with an email message transmission.



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On the client's computer an email application is running and will periodically connect with the POP server. As shown the test message from the LSS Database is received. The LSS Database supports both HTML and plain text message transmissions. The message format is dependent on the type of client receiving the email. For instance a cell phone has limited message length and will receive brief text messages.



After verifying the email settings the notification will need to be configured. As shown in the Notifications Admin screen the configuration parameters are used for email links and how it is executed. The server domain name relates to the LSS Database and is included in the HTML notification email under the view column within the email message body. The "From input fields" consist of a return address and client name that are displayed in the recipients email, like the one shown above in the test message.

Notifications Settings

Server Domain Name	<input type="text" value="localhost"/>
From Email Address	<input type="text" value="root@localhost.com"/>
From Name	<input type="text" value="LSS Web Server"/>
Run In Background	<input checked="" type="checkbox"/>
Last Cron Run Date/Time	<input type="text" value="Tue Jul 21 2015 12:09:06 GMT-"/>
Interval Microseconds	<input type="text" value="1000"/>

Test Notification, Simulated LSS-100 Data

When an LSS-100P report is received, the LSS Database will store the data for review with notification processing status. The notification process is executed on a periodic basis via a system cron entry. A cron execution timestamp is provided as verification that it is running as expected. The Test Cron button will invoke the notification process on demand as a tool to verify notifications.

The LSS Database has a built in test feature to verify notification processing by using the Test Data buttons along the bottom of the screen. This will generate a set of simulated data that is logged and will be emailed if the user is associated with the simulated theater and set to receive notifications.

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The notification setting can be updated in the Modify Users screen and as shown Rick E is set to receive all LSS-100P reports. For each user notification settings is available and are None, Error Only, and None. For our test case all have been selected.

Modify Users

	User ID	User Name	Company	Email Address	Notification	Created	Level	Phone
✓	14	user	USL	user@uslinc...	None	2015-06-08 ...	User	1+805-549-0161
✓	13	manager	USL	manager@u...	None	2015-06-08 ...	Manager	1+805-549-0161
✓	12	admin	USL	admin@uslin...	None	2015-06-08 ...	Administrator	1+805-549-0161
✓	11	demo	USL	demo@uslin...	None	2015-06-08 ...	Manager	1+805-549-0161
✓	24	Rick E	USL	root@localhost	All	2015-07-21 ...	Administrator	805-549-0161

To associate the user with the simulated theater, the Modify Groups is used and can be done after executing the Test Data button. As a note the simulated report will use the current administrator's organization (Company) setting for the OrgKey with a theater number of -1. The -1 is reserved for simulated data and should never be used in an LSS-100P theater number assignment.

As shown the notification email is generated after executing the Test Data followed by the Test Cron button and waiting for the email server to process the mail transmission. In our test case below the SPL Left Channel is within limits as shown in black font with the following error in red font.

From: LSS Web Server [root@localhost.com] Sent: Wed 7/22/2015 9:52 AM
 To: Rick E
 Cc:
 Subject: LSS-100P Notification

LSS-100 Notification 2015-07-16 16:52:10 UTC

Notification Level: All
Company: USL
Theater Name: San Luis Obispo
Theater Number: -1
Screen: 1
Serial Number: 100007
Comments: Simulation
Firmware: 150309

Date Time	Description	Report Data				Record	Data ID	Link
		Value	Minimum	Maximum				
2015-07-16 16:52:10	SPL Left Channel	80.95dB	80.1	85.2	900001	704	View	
2015-07-16 16:52:10	Color Y	0.29435y	0.314	0.351	900002	705	View	
2015-07-16 16:52:10	Color X	0.2828y	0.314	0.351	900003	706	View	
2015-07-16 16:52:10	Luminance	13.5ft-L	14.1	17.9	900004	707	View	