

LSS Database Using Simulated Data

The LSS Database is a Web base application that uses an SQL database with Apache Web server. To help the user get familiar with the system a data simulation feature is available in the Notifications Administrator view as shown in figure 1.

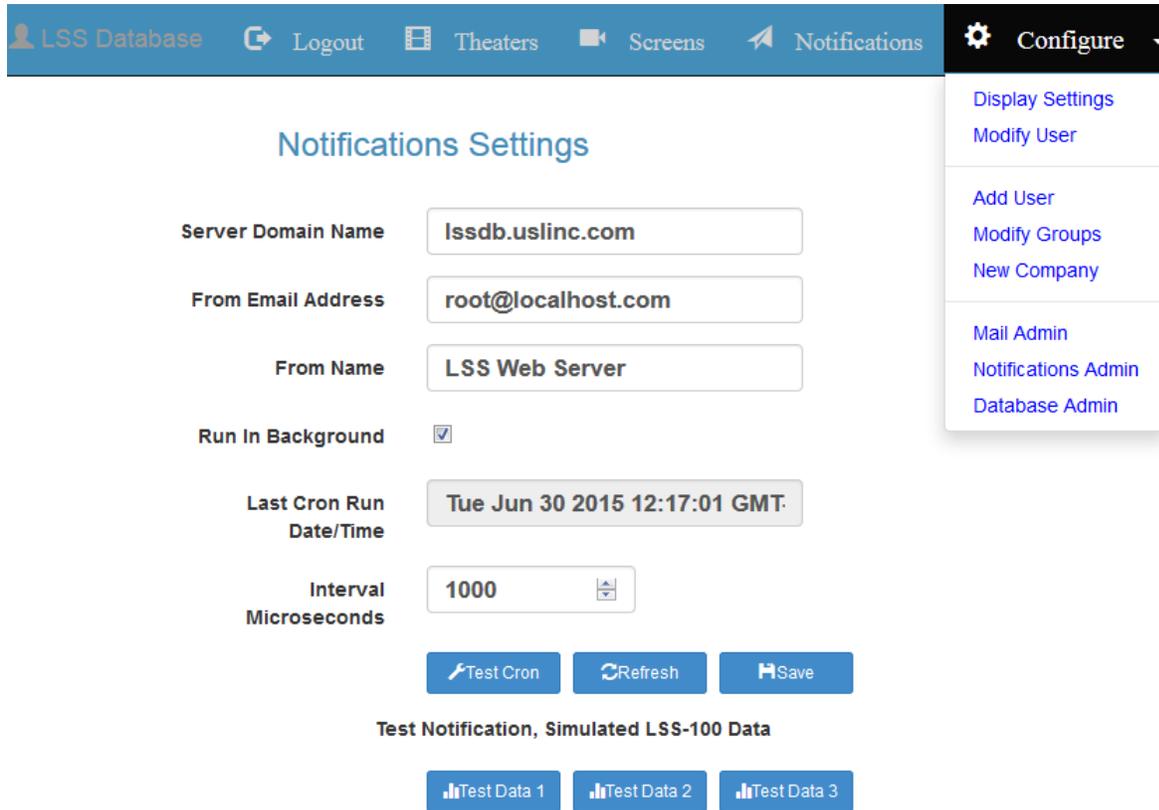


Figure 1 Notifications Administrator

This page contains configuration settings that define information to be used in the contents of a notification email. The Server Domain Name defines the hyper link to the LSS Database application to bring up the respective screen data for the item selected within the email. When the LSS data is received it is immediately stored in the database. At some defined period a cron scheduler is used to process the received data. When the cron process executes, the notifications are processed and the assigned users are sent notification emails.

For testing and getting familiar with the system, the Test Data buttons are used for generating LSS-100P data reports. Since the data is presented in a data set over time, the simulator will generate several days of data in the past to present. With a history the graphical view is more complete and contains a number of days of simulated data.

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As shown in figure 2, the activation of the simulated data generates measurements that are posted to the web service processing of the LSS-100P data.

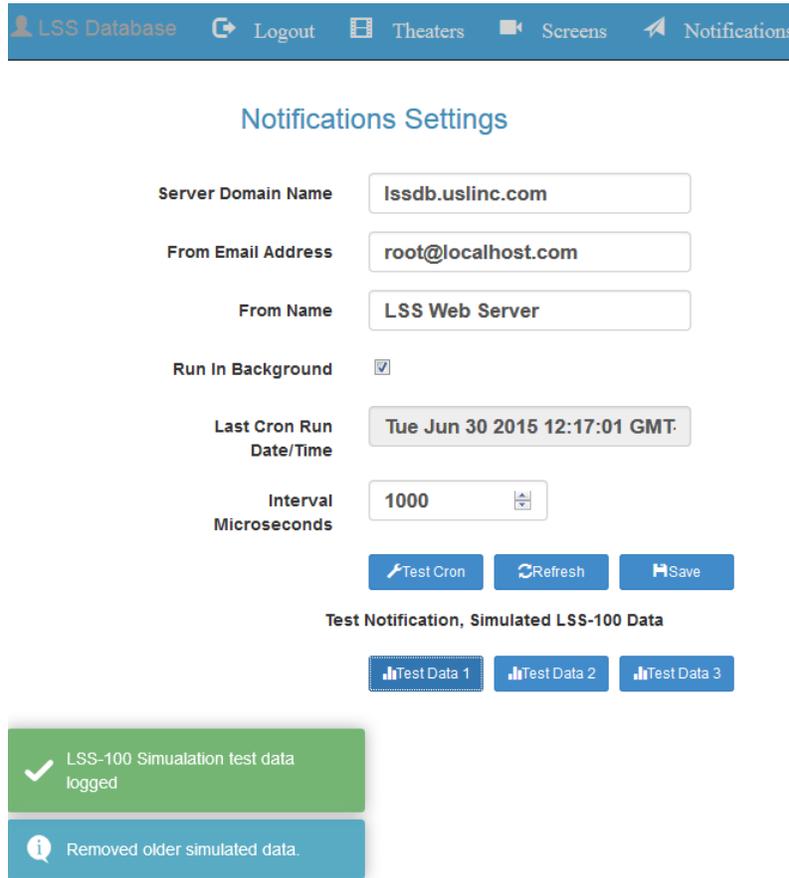


Figure 2 LSS-100P Data Simulation

Prior to generating the simulated data, current entries are purged from the database. This will ensure a clean presentation of the data when view as historical points within the graphs. As mentioned the data is stored and can be observed in the Database Administrator's view. In this page the newest data record is presented to the user. In the LSS Data grid general information about the items stored in the database are available. This view includes notifications in the data grid to the right.

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Once the simulated data has been saved in the database, the Screens view will allow the user to view them. As a system administrator all reports are available and can be viewed by selecting the theater and screen (auditorium).

Screens

Theater **USL #-1 San Luis Obispo** Screen **1**

Simulation
Hardware Rev.C
Network Location: 192.168.6.110

Firmware Rev.150309

Serial #100007

Date Range:
Sun May 31,
to
Tue June 30,

Select Reading:

- All
- Color X
- Color Y
- Luminance
- SPL Left Channel

Color X
Maximum: **0.300198** y
Tue June 30, 2015 at
12:41PM-0700
Minimum: **0.2828** y
Wed June 24, 2015 at
12:41PM-0700

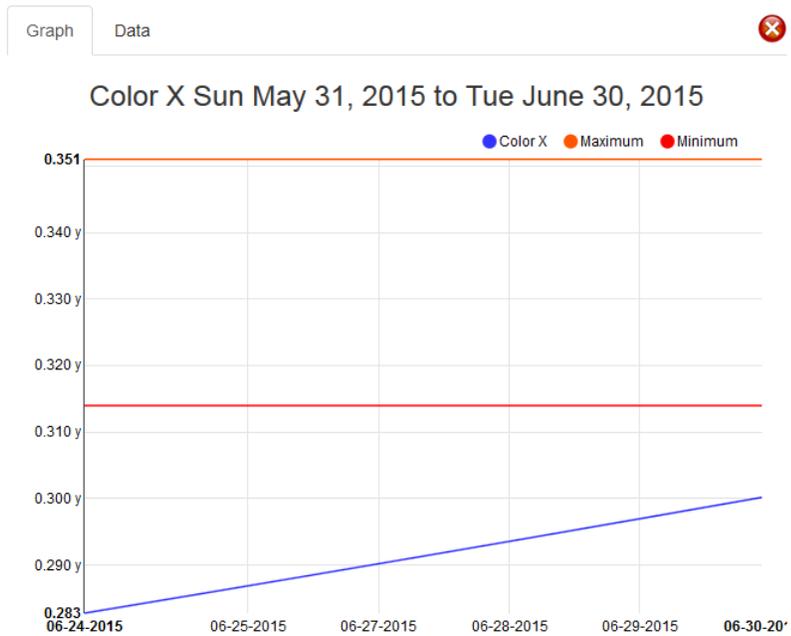


Figure 3 Screens View

Additional details about the LSS Database are available in the User Manual.