

LSS Database User and Multiple Organizations

The LSS Database has grouping rules that are designed to protect the data for all organizations stored in the database. For an organization the theater number must be unique and can be an issue when attempting to have multiple groups with each one representing an organization. The rule is basically for an organization the theater number must be unique. It is the case when a service company (organization) that provides cinema services for several organizations with unique theater numbers. Since each organization can have a theater number that's not unique within the service company as the parent, simple grouping rules can't be applied. It is best to create a company for each organization in the LSS Database.

In this case we have multiple companies that are being serviced by a single Entity (organization) such as USL for example. As a solution we created multiple companies via the New Company screen. Each company has a manager. In a single organization there are users with respective email assignments for that company. For instance Flat has a group "Central Flat" with Flat theater number 1 assigned to it. At this level the organization will have users that can only view data for Flat organization (OrgKey). We may have a theater manager that needs to be notified when there's a problem with one of their screens in Flat organization.

Groups Management

The screenshot shows the 'Groups Management' interface. On the left, there are tabs for 'Groups', 'Users', and 'Theaters'. Under 'Groups', there is a search bar with a plus icon and a dropdown menu showing 'Central Flat' with a red 'X' icon. On the right, the main panel is titled '1. Flat Theater'. Below the title, there is a section 'In Groups:' with a dropdown menu showing 'Central Flat' and a red 'X' icon, and a plus icon to the right.

Next we proceed to create the next new company (organization) Scope and for it a group is created. Now we have two organizations with users that can only see the data within their respective organization.

Groups Management

The screenshot shows the 'Groups Management' interface. On the left, there are tabs for 'Groups', 'Users', and 'Theaters'. Under 'Groups', there is a search bar with a plus icon and a dropdown menu showing 'Scope' with a red 'X' icon, and a plus icon to the right. On the right, the main panel is titled '1. Scope Theater'. Below the title, there is a section 'In Groups:' with a dropdown menu showing 'Western Scope' and a red 'X' icon, and a plus icon to the right.

In order to assign a user to receive data from multiple organizations, administrative rights are required. As shown in the screen capture a list of all groups and can be assigned to any user in the LSS Database. In this case we have Rick E, an employee of USL organization (OrgKey = USL). Again with system administrative rights, Rick E has been assigned to multiple groups that are assigned to different organizations, such as Flat, Scope, and Letterbox.

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Groups Management

The screenshot shows the 'Groups Management' interface with three tabs: 'Groups', 'Users', and 'Theaters'. The 'Groups' tab is active, displaying a list of groups: Central, Central Flat, East Coast, Southern Letterbox, US, West Coast, and Western Scope. Each group has a red 'X' icon to its right. A 'Choose a Group' dropdown with a green plus icon is at the top. To the right, a modal window titled 'Central Flat' is open. It has three sections: 'Users', 'Theaters', and 'Subgroups'. The 'Users' section lists 'Manager Flat' and 'Rick E', both with red 'X' icons, and a 'Select a Us' dropdown with a green plus icon. The 'Theaters' section lists 'Flat' and '1 - Flat Theater', both with red 'X' icons, and a 'Select a Thi' dropdown with a green plus icon. The 'Subgroups' section shows '-- None --' and a 'Select a Group' dropdown with a green plus icon.

As with all groups an LSS-100P report from each theater belonging to the different organizations was received and stored in the LSS Database. This allows the manager for each organization to login and view their data only. When the manager for the respective company does the group assignment, that relationship keeps the data private. In this scenario data from each theater and organization was first reported to the LSS Database for initial setup (theater to group assignment) as in the following screen shot.

Only the system administrator can make user assignments that cross organization boundaries as shown in the next screen capture. Note that Rick E from USL has been assigned to theater groups with their respective organizations. Now that LSS-100P's installed in Flat's, Scope's, and Letterbox's theaters that have been associated with their respective groups a reporting association is complete.

Groups Management

The screenshot shows the 'Groups Management' interface with three tabs: 'Groups', 'Users', and 'Theaters'. The 'Users' tab is active, displaying a list of users: admin, demo, manager, Rick E, technician, and user. The 'Rick E' user is highlighted. To the right, a modal window titled 'Rick E' is open, showing the user's name and organization 'USL'. Below this, the 'In Groups:' section lists 'Central Flat', 'Western Scope', and 'Southern Letterbox', each with a red 'X' icon, and a 'Select a Group' dropdown with a green plus icon.

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Since Rick E has been associated with the different organizations, the notifications will be received as shown in the LSS-100P notification as shown in the following email. By creating individual organization assignment for each theater company, each is allowed to have a theater number 1. It is by associating the user with the different organizations with their own groups, the user is able to receive emails from multiple companies' theaters.

LSS-100 Notification 2015-07-31 21:51:32 UTC

Notification Level: All
Company: Flat
Theater Name: Flat Theater
Theater Number: 1
Screen: 1
Serial Number: 2
Comments: Flat Test Report
Firmware: 150309

Date Time	Description	Report Data			Record	Data ID	Link
		Value	Minimum	Maximum			
2015-07-31 21:51:32	SPL Center	81dB	80	85	1000	279	View

LSS-100 Notification 2015-07-31 21:51:32 UTC

Notification Level: All
Company: Scope
Theater Name: Scope Theater
Theater Number: 1
Screen: 1
Serial Number: 2
Comments: Scope Test Report
Firmware: 150309

Date Time	Description	Report Data			Record	Data ID	Link
		Value	Minimum	Maximum			
2015-07-31 21:51:32	SPL Center	81dB	80	85	1000	280	View
2015-07-31 21:51:32	SPL Center	81dB	80	85	1000	281	View
2015-07-31 21:51:32	SPL Center	81dB	80	85	1000	282	View

LSS-100 Notification 2015-07-31 21:51:32 UTC

Notification Level: All
Company: Letterbox
Theater Name: Letterbox Theater
Theater Number: 1
Screen: 1
Serial Number: 2
Comments: Letterbox Test Report
Firmware: 150309

Date Time	Description	Report Data			Record	Data ID	Link
		Value	Minimum	Maximum			
2015-07-31 21:51:32	SPL Center	81dB	80	85	1000	283	View
2015-07-31 21:51:32	SPL Center	81dB	80	85	1000	284	View

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When an email link is activated the browser is opened and prompts the user to login if not currently in the LSS Database. The path contains information about the reported item and when in the Theaters view the item is presented to the user. As shown for a user that is assigned to multiple groups, a visual block for each organization is created. The user can then expand the items to view the details.

Theaters Overview

Date Range: **Mon July 27, 2015** **Tue August 04, 2015**

Central Flat 0 warnings

Southern Letterbox 0 warnings

Letterbox Theater #1 **Letterbox Theater** 0 tolerances not met

Screen 1

Reading	Value	Units	Limits
SPL Center	81	dB	80 to 85

Western Scope 0 warnings

In the Notifications view the emailed items are also listed as shown below. To view the details, simply click on the item and the Screen view will appear with the details.

My Notifications

Date Range: **Mon July 27, 2015** **Tue August 04, 2015**

7/31/2015 You received notifications for 6 data entries

	Fri July 31, 2015 at 2:51PM-0700	Flat Theater Screen #1	SPL Center 81dB
	Fri July 31, 2015 at 2:51PM-0700	Scope Theater Screen #1	SPL Center 81dB
	Fri July 31, 2015 at 2:51PM-0700	Scope Theater Screen #1	SPL Center 81dB
	Fri July 31, 2015 at 2:51PM-0700	Scope Theater Screen #1	SPL Center 81dB
	Fri July 31, 2015 at 2:51PM-0700	Letterbox Theater Screen #1	SPL Center 81dB
	Fri July 31, 2015 at 2:51PM-0700	Letterbox Theater Screen #1	SPL Center 81dB