



Cisco StadiumVision Zones, Groups, and Locations Implementation Guide

All Releases

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Document History

Table 1. Revision History

Date	Description
4/24/2013	Minor revisions for support of later releases.
3/14/2011	First release for Cisco StadiumVision Director Release 2.3.

NOTE: This document provides illustrations for Cisco StadiumVision Director Release 2.3, but is also applicable to later releases of the Cisco StadiumVision Director software with some differences in the user interface for those releases.

Introduction to Zones and Groups

The Cisco StadiumVision solution supports reliable delivery of content to thousands of endpoints, providing venues the flexibility to place numerous TVs throughout the concourses, in the bars and restaurants, in the luxury suites, in the locker rooms and back offices, in the concession areas, and even in the restrooms. Digital content, in the form of still or animated graphics and video ad insertions, can be targeted and delivered - with accompanying event video in HD or separately - to any display or group of displays throughout the venue.

Managing the thousands of endpoints in a stadium can be a challenge if you don't have some sort of structure in place to keep track of where the endpoints are located and which content they are playing. For example, say you have two TV screens and you want to show full screen video on one screen and full screen signage on another. It's easy to configure this if you have only two TVs. But when you have hundreds or thousands of TVs that you want to show different video signage, different sponsored content, different TV channels, and different menus, you need a way to automate the configuration and manage the end point locations.

StadiumVision Hierarchy

To provide a logical way of organizing the hundreds to thousands of endpoints in a venue, StadiumVision implements a hierarchy of *Zones*, *Groups*, *Templates*, and *Locations*. (Refer to Figure 1.) These concepts will be described in detail in the remainder of this section.





Zones



A *Zone* is typically a physical area in the stadium. Examples of zones include concourses, clubs, and team stores. The figure illustrates the nested hierarchy with a zone named 'Concourse' at the top level.

Groups



Groups are the second level in the hierarchy. You can think of groups as "children" of a zone. Consider the case where you have TVs in a concourse area and you want them to show a game feed with sponsored advertising. Rather than configure each individual TV to show this content, you can put them in a 'group' and configure all the TVs with a single action. You can then associate them to a zone to identify the area of the stadium where they are located. There are two important distinctions between groups and zones:

- 1. Groups are subsets of zones.
- 2. Every TV location in a group shows the exact same content.

In the diagram shown in above, a group named '100_con_game_wrap' is created and assigned to the 'Concourse' zone. The group name identifies the TVs as being in Concourse 100 and displaying a game feed with an L-wrap.

Other examples of groups in a stadium include TVs in clubs that you want to show the same menu, or the same video content and sponsored advertising, or the same game feed. For example, you can create separate groups for TVs that you want to show the same content in the club. The following illustration shows three groups in the Club A zone – each showing different content: Club_A_Lwrap_Group, Club_A_Menu_Group, Club_A_Game_Group.





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You can perform actions on zones just like you can on groups. If you put actions on the group and zone level for a particular device, the group actions will take precedence since they are more specific than the actions assigned to a zone.

Templates



Although *templates* are not part of the StadiumVision device hierarchy, they define how a particular TV screen is divided into regions to show different arrangements of video, signage, and advertising on the screen.

As shown in <u>Figure 2</u>, there are three basic templates: Full screen video, full screen signage (graphic), and an L-wrap. The "L-wrap" template divides the screen into three sections where you have video in the top left of the screen, advertising along the side and a ticker showing scores and news feed for example across the bottom.



Full Screen VideoFull Screen SignageL-WrapImage: Street Street

Every device in the same group displays the same template.

100000000000

Locations



Locations are at the lowest level of the StadiumVision hierarchy. They define a specific place in the stadium where a TV and DMP reside. Locations help you keep track of exactly where a TV and DMP is physically located in the stadium. For example, if someone tells you that a TV in a restroom at the concourse 100 level is not working, you can refer to the Location information to quickly find the TV and fix it.

The diagram above shows a location named '100_con_N_01' which indicates that the TV-1 and DMP-1 are located on the North concourse 100 level.



A location consistes of the physical location and display type, as well as the DMP associated with the location and display. This allows you to have all your location / display information permanently tied together and have the DMP and networking information abstracted in the event of a device upgrade or networking topology changes.

Configuring Zones and Groups

The procedures in this section can be performed ONLY by the Administrator (admin role) in Cisco StadiumVision Director.

The **Setup > Zones & Groups** tab in the Cisco StadiumVision Director Control Panel provides a visual representation of the hierarchy of zones, groups and locations in the stadium. The interface enables you to easily create and manager zones, groups, and locations.

Using the **Zones & Groups** screen you can easily:

- Add, remove, and edit groups and zones.
- Add and remove multiple locations to / from groups and zones.
- View and manage zone, group, and location associations.
- View and search on the Location Name, IP Address, MAC Address, TV Details and TV Description, and number of groups to which the Location is assigned.
- Traverse the zones/groups and locations hierarchy. For example, you can view information top
 ↓down (from zones to groups to locations) and bottom ↑ up (from locations to groups to zones).
- Move multiple locations between groups ("re-grouping") and move multiple groups between zones ("re-zoning").
- View overlaps such as groups that share the same location or zones that share the same group.
- Find the group and zone to which a TV Location belongs.

Accessing the Zones & Groups Screen

The Zones & Groups screen is accessible from the StadiumVision Director Control Panel.

- 1. From your browser, log into Cisco StadiumVision Director and go to the Control Panel.
- 2. From the Control Panel, click Setup.
- 3. Click Zones & Groups. The Zones & Groups screen displays.

Zones & Groups Screen Layout

The Zones & Groups screen has a consistent layout where the navigation tabs are at the top of the screen, the operations controls are below the navigation tabs, and the details area is in the middle of the screen. (Refer to Figure 6.)



Figure 3. Zones and Groups Screen

The Zones & Groups screen has a dividing bar so that you can display more information on the screen at once without having to jump back and forth between separate screens. Any items with a blue underline are a hyperlink. (Refer to Figure 7.)

Figure 4. Zones & Groups Screen Layout

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HL.Free.A		1.1							
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Search and Show Selected Functions

Each panel in the Zones & Groups screen includes a search feature to help you find, filter and narrow the information displayed on the screen. You can search on the Location/Zone/Group Name, IP Address, MAC Address, TV Details and TV Description. Simply type the search criteria (text strings or numbers) in the search box and click the magnifying glass. For example, if you type 'bar' in the search box on the Locations screen, all the locations with the word 'bar' in their name will display. (Refer to Figure 8.)



Location<->Group	Group<->Zone				- 19일 전문 전문 전문 전문		
Locations Groups							
Locations 12 Locations							
Add To Groups 🛛 😵 🔲 Show only selected 🖉 👂 Bar					×		
Name a	IP Address	MAC Address	Display Spec	Description	#Groups		
100-Club-A-Bar-Center	64.101.138.105	00:0a:00:00:0a:0a	Panasonic-TH-32PX60	Center Bar TV	1		
100-Club-A- <u>Bar</u> -Left	10.24.162.12	00100100100100100	Panasonic-TH-42PX60	Left Bar TV	3		
100-Club-A- <u>Bar</u> -Right	64.102.87.133	00:0c:00:00:0c:0c	Panasonic-TH-42PX60	Right Bar TV	1		

You can narrow the list and display only selected entries using the CTRL-click and SHIFT-click keyboard functions. Simply select the entries and then enable the checkbox next to 'Show only selected'.

You can also sort a list by clicking on the column headings.

To clear the search criteria and display all items on the screen, click the red X. To refresh the list, click the refresh icon.



Switching the View

There are a number of ways to switch the view on the Zones & Groups screen. Click the **Switch View** option to flip the right and left panels on the screen. Depending on the information you are looking for or the operation you are performing, this can make it easier to transcend the hierarchy and find the different relationships between a location, a group, and a zone.

Remove	Switch View	Show overlap 🔲 Show only selected

Another way to switch the view on the screen is to click the number links in the #Groups, #Locations, #Zones columns. For example, you can select a Location Name and then click the numbered link under #Location to show all the locations for a selected Group. Only the numbers with an underline are active links.

Figure 6. Switching the View on the Zones & Groups Page

Groups Zones			
Groups			+
🔶 Group 🛛 🦯 Gr	oup 🗙 Group	Add to Zones 🛛 🥹	Show only selec
Group Name	Description	#Locations	#Zames
delay_group		0	1
quorg_noitseonco		0	2
emergency_group		0	1
lucury_fullscreen_group		0	1
herory_mainscreen_gro		0	1
store_group		a	1
backoffice_group		0	1
sideovall_group		0	1
locker_room_group	Blue locker room	0	1
wincourse3_group_1W	L-wrap in con3	8	8
nenevent_group		0	1
Bar_Menu_group	Bar Nenul	1	0
bar_LW_group	L wrapped content	2	0
bar_FSV_group	Full Screen Video	100	0
concourse2_grove		10	1
concourse1_group		2.0	1

Showing Overlaps

You can easily see whether a zone, group, or location contains the same DMPs by selecting multiple entries and clicking the Show Overlap checkbox. This is useful to identify and resolve conflicts that occur when actions are being assigned to DMPs that are in the same location, group, or zone. For example, in the following screen, there is an overlap between the Boulder_Group and SUITES:

Groups -				24 deinger	Locations				
+ Group / Group XG	resp Add Locations	😔 🔲 Show only select			Remains From Group	i Switch Viewi	Z show overlap	hive trive association	P
Group Name a Das	et rip lies	Flocations	# Januar		Name a	19 Address	HAG Address	Display Spec	#Groups
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adde Sma		8-	1						
ancention, geoug		0	a						
erroret, given		*	A						
Nextourne2, group		0	±.				R.		
war,prog		÷	4				26		
margance, group		0	1						
ROUP-BUTTER									
going_main_going		0	1						
www.mascosen_prog									
ananant, pros		*	4						
hire, prive		0							
Lana -									
danel, groop		0							

Naming Conventions for Zones and Groups

With thousands of displays and hundreds of zones and groups, naming is especially important. Choose a logical naming scheme. For example, name similar groups and zones with the same prefix so that you can to sort them alphabetically in the Control Panel. Also, assign names to zones and groups that remind you of the area where the display is located and the screen template or advertising playlist you will be using for that display.

A good way to keep your zones and groups organized is to use a text organizational structure and then assign prefixes to form like groups and zones. This makes it easy to find devices in similar geographical or logical groupings. For example, when naming zones, consider adding the prefix '100' to all clubs on the 100 level. This makes it easy to find and manage these clubs in Cisco StadiumVision Director as they are sorted alphabetically. Likewise, when naming groups for the 100 level clubs, consider adding a suffix to identify where or what content will be displayed in the group. For example:

100_Club_A_zone

100_Club_A _menus_group

100_Club_A _bar_group

100_Club_B_zone

100_Club_B _menus_group

100_Club_B _bar_group

If you have a very large club with hundreds of DMPs, you may want to have a zone called "Club A Menus" and then have individual groups with each group showing a different menu.



All zone and group names must be unique. Group, zone, and location names cannot have spaces.

Identifying Screen Templates in Group Names

You can add abbreviations to the group name to identify which screen template is being played by a given group. This allows you can see at a glance (through Cisco StadiumVision Director) what type of content is supposed to play on each group of TVs in the suite or other location in the stadium. Figure 10 shows abbreviations for identifying the different types of screen templates.

Figure 7. Example of Abbreviations for Identifying Templates in Groups



Here are some examples of group names that identify the screen template:

100_Club_A_zone

100_Club_A _menus_group_CN 100_Club_A _bar_group_AW

100_Club_B_zone

100_Club_B _menus_group_CN

100_Club_B _bar_group_AW

Adding and Associating Zones, Groups and Locations

With Cisco StadiumVision Director, you can create a zone and group hierarchy and event script before you have added a single device. The Locations and templates can be associated later. This can be useful as usually you will know where devices will be before they are actually installed, allowing you to organize your TV Locations in parallel with installation.

Adding a Zone



- 1. Open the Group<->Zones tab and click the Zones button.
- 2. Click + zone

		User Management	Zones	A Groups Staging
Location<->Group	Group<	->Zone		
Groups Zones				
Zones				
🕂 Zone 🔰 Zone	× 20	ane Add Groups		Show only selected
Zone Name Nev Zone		escription		Groups
backoffice_zone			4	
concession_zone			1	
concoursel_zone			3	
concourze2_zone			2	
delay_zone			1	
emergency_zone			1	
locker_room_zone	85	ue locker room	1.	
luxury_fullscreen_zone			1	
luxury_mainztreen_zone			1	
nonevent_zone			1	
one_zone			0	
store_cone			1	
videovall_tone			1	

3. In the Add New Zone dialog box, type a name and description for the new zone and click **Ok**. You can leave the description blank and go back and edit it later.

New Zone		×
Name	concourse3_zone	
Description		
	OK Cance	

The new zone you just created will be added to the list of zones.

Adding a Group

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							Rave DW	+4.1214.47.202				
						-	A REAL PROPERTY.	Carlos a l'alles		1546	+	

- 1. Open the **Location<->Group** tab and click the **Groups** button.
- 2. Click + Group he New Group dialog box displays.
- 3. In the New Group dialog box, type a name and description for the group and click **OK**. Group names cannot have spaces.

New Group		×
Name	concourse3_group_LW	
Description	L-wrap in con3	
	OK Cancel	

The new group will appear in the Group Name list:

Location<->Group Grou	ip<->Zone					
Locations Groups						
Groups			12 Groups			
🕂 Group 🥖 Group	X Group Add Locations	📔 😵 📋 Show only selec	ted 🖉 🔎 🔛 🗙			
Group Name 🔺	Description	#Locations	#Zones			
backoffice_group		0	1			
bar_FSV_group	Full Screen Video	1	0			
bar_LW_group	L wrapped content	1	0			
Bar_Menu_group	Bar Menus	1	0			
concession_group		0	2			
concourse1_group		10	1			
concourse2_group		10	2			
concourse3_group_LW	L-wrap in con3	0	0			
delay_group		0	1			
emergency_group		0	1			
locker_room_group	Blue locker room	0	1			
luxury_fullscreen_group		0	1			
luxury_mainscreen_group		0	1			
nonevent_group		0	1			
store_group		0	1			
videowall_group		0	1			

Adding a Location to a Group

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Location<->Group	User Mono Group<->Zone	gement Zones & Gro	upa Staging Chan	inels Devices	Luxury Suites	Proof a
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Conductor of rolly	es 🔒 🕴 Assign Proxy	Show only selecte	d	۾	Bar	
Locations		Show only selecte	d Display Spec	Description	Bar #Groups	
Locations Add To Groups	Assign Proxy	I mean as a case those success		100.000		
Locations Add To Groups	Assign Proxy	MAC Address		Description		12 Locat

Before you can add Locations to groups and zones, the device location must first be added on the **Setup > Devices** tab in the Control Panel. See the *StadiumVision Video Endpoints Design and Installation Guide* for details.

- 1. Open the Location<->Group tab and click the Locations button.
- 2. Select the groups to which you want to add locations and click **Add Locations**. The Select Groups screen displays showing the available groups.

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8.tocalfiame					Transformer	Grapt				
Add to Groups	🛊 🔲 shok only s	cietted		8	×	Remove Switch View	eneral 🖓 🦳 the sets muset — 🖉 🦲 🕯			
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5 mm + 8mm	171.03.04.350		08.08	Renar dans	a -:					
miani bref	64.803.61.890		10.00	mail dry	1					
prad oven	88.99.535.97		have	grad take						
a fail pir-	48.45.76.3.22		18-18	and m	1					
and a filler	04 383.530.534	ad all 44,00 all ed	1010		1					
1005.2	64 4EL 838.L03	00-0144-00-0184	10.00		F					
W-81 2.000	** 10.0 ** 201		La-ca	hand the dense						

3. In the Select Groups screen, select group(s) you want to add to the locations and click OK. The groups must not already be assigned to a location (#Groups = 0). To narrow the list of groups, use the search function. You can add a block of groups or select multiple groups from the list using the CTRL-click and SHIFT-click keyboard functions.

_ Show only	selected			12		×
Name a	IP Address	MAC Address	Display Spec	Description	#Groups	
100-Club-A-B	64-101-100-1	00108100100	Panasonic-T	Center Bar TV	0	R
100-Club-a-8	10.24.162.12	00:05:00:00	Panazonic-T	Left Bar TV		
100-Club-A-8	64.102.07.103	001041001001	Panaconic-T	Right Bar TV	۵	
Dave DMP	64.102.87.202		LG-LG	dave dmp	2	
Wei DMD	64.102.87.201		LG-LG	vivian's dmp	2	
bryan dmp	64.102.87.159		Panasonie-T	bryan dmp	2	
henry dmp	171.69.66.150		LG-LG	henry dmp	2	
mark DMP	64.102.87.190		LG-LG	mark dmp	2	- 11
prad cuae	10.88.131.47		LG-LG	prad cuae	2	- 11
prad pc	10.65.76.122		LG-LG	prad pc	2	
rodn 1	64.101.138.1	0010f1441001	LG-LG		2	
redn 2	64.101.138.1	00:0f:44:00:	LG-LG		2	

The groups are added to the selected location(s). Details about the groups display on the right Locations panel.

Locations.					EB Scotters	Groups				
Add To Groups	🔹 📋 Show priy i	relected		30 C	×		A view 🔄 Show overlap 🔄 2019- Driv services 🖉 💽			
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to-chile-a far-faster	64.116.L18.L28	20 No 80-00-0 a 0 4	Research 21-218-228	Comercian To		het_PTV_proiei	21			
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ryen Brig	84,235,87,399		Statust on in-The-4,28 10.0	myan mite	1	mentered_print	10 C			
ana OHF	64.230.87,285		16.40	dere one	1	innervon2, prost				
takey Bras	171.95.65.530		13-18	havy deal	*	interest program	1			
man phil	44.222.83.290		10-10	mark drug	1					

Adding a Group to a Zone

- 1. Open the **Group<->Zone** tab and click the **Zones** button.
- 2. Select the zone(s) that you want to add the groups to from the Zones name list.
- 3. Click Add Groups.

	User	Management Z	nnes & Groups Staging Ch
Location<->Group	Group<->Zo	ne	
Groups Zones			
Zones			1
🕂 Zone 📝 Zone	🗙 Zone	Add Groups	🚱 🔲 Show only selected
Zone Name	A Descrip	tion	#Groups
backoffice_zone			1
concession_zone			1
concourse1_zone			3
concourse2_zone			2
concourse3_zone			0
delay_zone			1
emergency_zone			1
locker_room_zone	Blue lock	er room	1
luxury_fullscreen_zone			1
luxury_mainscreen_zone			1
nonevent_zone			1
one_zone			0
store_zone			1
videovall_zone			1

4. In the Select Groups screen, select the groups that you want to add to the zone(s) and click **OK**.

Select groups			
Show only selected		₽	×
Group Name 🔺	Description	#Locations	#Zone s
100_concourse_group	Club A	12	1
200_concourse_group	Club B	0	1
bar_LW_group	L wrapped content	0	0
concession_group		0	2
concourse2_group		10	2
concourse3_group_LW	L-wrap in con3	3	0
			OK Cancel

The groups(s) you added to the zones will display in the Groups panel at the right.

Contion<->Group Context	iroup<->Zone		
Zones			Groups
🕂 Zone 🥖 Zone	🗙 Zone 🛛 Add Group	os 📔 🚸 📋 Show only selected	Remove from Zones Sv
Zone Name	A Description	# Groups	Group Name
backoffice_zone		1	concourse3_group_LW
concession_zone		1	
concourse1_zone		3	
concourse2_zone		2	
concourse3_zone		4	
delay_zone		1	
emergency_zone		1	
locker_room_zone	Blue locker room	1	
luxury_fullscreen_zone		1	
husury_mainscreen_zone		1	1
nonevent_zone		1	
one_tone		0	
store_zone		1	
videovall_zone		1	

Removing Groups and Zones

- Select the group or zone you want to remove. You can remove multiple groups and zones at one time. Use the CTRL-click and SHIFT-click keyboard functions to select the multiple groups and zones.
- 2. Click Remove from Zones or Remove Zones.

Location<->Group	Group	p<->Zone				
Groups Zones						
Zones					Groups	-
🕂 Zone 🥖 Zone	×	Zone Add G	roups 😽	Show only selected	Remove from Zones	Switch View
Zone Name		Description		/Groups	Group Name	Compare selected groups from the pores
backoffice_zone				1	Inneroscal group CW	
encession_come				1		
encourses_cone				3		

3. In the confirmation dialog box, click Yes to remove the groups from the zones.

Assigning Groups to Emergency, Delay, and Non-Event Zones

You'll notice there are three default zones in the Zones sources list: emergency_zone, delay_zone, and nonevent_zone. You need to assign a group to each of these zones. These zones cannot be renamed. If you want to assign all DMPs to one of these zones, you can create a new group, add all DMPs to that group, and then add that group to the zone.

Note: Any DMPs which do not have an action in the emergency/delay state will have proof of play disrupted in the emergency/delay state.

emergency_zone: All TVs assigned to this zone will display the configured Emergency message when the Emergency ad hoc state is invoked by the event operator.

delay_zone: All TVs assigned to this zone will display the configured Delay channel when the Delay ad hoc state is invoked by the event operator. The Delay channel is defined on the Control Panel. Refer to the *Defining Channels and Channel Guides* document.

nonevent_zone: All TVs assigned to this zone will display the default TV channel when there is no active event state.

Managing Zones, Groups, and Locations

Once you have added zones, groups, and locations in Cisco StadiumVision Director, you can use the Zones & Groups screen to display, manage, and edit information the selected zone, group, or location as described in this section.

Understanding Group and Zone Associations

For any action to be applied to a group, the group must be part of a zone. Some zones will only have a single group, but you need to define both. You can name them the same and simply append 'Zone' to the zone name and a 'Group' to the group name for clarity.

When you assign multiple groups to a zone, all the DMPs in those groups become part of that zone.

Viewing Zone, Group, and Location Associations



Click the **Zones**, **Groups**, and **Locations** buttons on the **Zones & Groups** tabs to display the zones, groups, and location lists in the left column of the Zones & Groups screen. To view information about an item in the list, simply select it. The associated information will display in the right column on the screen. The numbers in each column indicate the number of zones, groups, and locations are associated with the selected item. Numbers that are underlined in blue are hot links that you can click to display more details about the selected item. The details display in the opposite side of the screen.

In the example shown below, there are 10 locations for the concourse1_group. When you click the number '10' link, the screen displays the DMP Name, IP Address, MAC Address, TV Display Spec, and the number of groups for each of the 10 locations for the concourse1_group. The information displays in the Locations panel on the right.

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Becval and		2.5	1						

Finding the Group and Zone to which a TV Belongs

- 1. Select the **Location <-> Group** tab and click the **Locations** button.
- 2. Select a location name. In this example, rcdn-1 is selected. The number of groups to which this location belongs shows under the #Groups column (in this example, there are 2 groups). The names of the groups to which this location belongs displays in the Groups panel at the right.

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(18-chil-a-siz-sign	64.103.07.838	TRACK BE OF BARRY	Information and a second second	81978.64 TV	1				
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Max 200	44.102.07.008		Late	union's dep	1				
bryan mini	44.102.07.159		Parameters (1992)	Arean drip	1				
Keen a chevar	175.17.76.179		1010	Barrish'a	1				
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and a local data	24 LTL 121 124	10-044-024-03	1414	- A	- E				
nedin II	44 101 108 101	construction and the	lace		1				

3. Select a group from the Groups panel and click **Switch View**. The number of zones for the selected group displays under #Zones (in this example, there is 1 zone):

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he fiv era	Full Stream Hides	*	*						
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second, man		H	1.1.1						

4. With the Group name selected, click on the number link in the #Zones column to show the zones to which the selected group belongs (in this example, concourse1_group belongs to 1 zone).

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w.m.,ama	Pull tosen tolec	- A								
and Security		3.8	2							

- 1. Open the Location<->Group tab and click the Locations button.
- 2. Select the locations from the left column and the groups from the right column and click **Remove**.

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- (1

A confirmation dialog displays for your to confirm or cancel the operation.

Remove association	2
	2
	2
Are you sure you Locations from G	want to remove selected
Don't show this dia	log again No

3. Click **Yes** to remove the locations from the selected groups. Once removed, they will no longer show in the groups list for those locations.

Regrouping and Rezoning Locations

Once you have added and added and assigned locations to groups, you can regroup them by removing all the locations from the selected groups and then re-assigning the locations to other groups as described here.

- 1. Select the **Location<->Group** tab and click the **Locations** button.
- 2. Select the locations that you want to re-group. The Groups panel on the right will display the groups assigned to the selected DMPs.

Louisiers Statement						Groups			
Add To Groups	B Stewary	urleitet		SP [×	Remark Testich View	nefes 💭 Nicola strive estected 💦 🖓 🌅 🕽		
Name .	· IP Address	HAX Address	Burglay Spec	Bascoption	Himpy	Errorp home	· Fistation		
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Dist-Chile-In-Rainbark	10.24.342.83	ACIESTICS COLOR	Parazette Nettonic	Latte Tr	1	au	1		
100 CLD + 1ar 1 (41)	#6.282.67.332	40.00.00.00.00.0	Personal TRACKING	ExAte: Tr	18	Est, Mena, prime	4		
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print pr.	10-18.76 122		1969	product.	14				
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ods 2	64.088.536.200	80-81-94-80-61-8a	1010		1				
Wal 199	44,002,07,302		1.0114	which it is	*				

- Select the groups from the Groups panel. You can use the shift click keyboard function to select a block of groups. The selected groups and locations are highlighted in green on both the Locations and the Groups panels.
- Click Remove to remove all the locations from the selected groups. A warning dialog displays for you to confirm or cancel the operation.

And The Greenes I and Advances Internet I and Advances Internet I and Advances Internet I and I			Groups	LEASTRON					Locations
Remove association Are you sure you want to remove selected Locations from Groups?	و لا : ا	dap 🔄 Show only selected	Remove, Switch View . Show conde	×	2		Detaile.	6 C triow only s	Add To Groups
Operation Are you sure you want to remove selected Locations from Groups?		Atocatiene	Group Name Research and an its sciented areas	4 Georgia	Description	Display Spec	MAC Address	a 10 Advess	ate .
Remove association Are you sure you want to remove selected Locations from Groups?	13 C	141	Bir Containing			Annanya IN STREET			o-cuin-t-to-cuiter
Remove association Are you sure you want to remove selected Locations from Groups?		- (A)		1					O Class # Ser Left
Are you sure you want to remove selected Locations from Groups?	111	248	Exclusion and	18	Right Bar 10	100 and 100 and 100 and 100	Designation of the		CONTRACTOR OF T
Don't show this dialog again					≥d	emove selecte	e you want to r	Are you sure	

- 5. Click **Yes**. The selected groups will be removed from the Groups panel.
- 6. Select the **Location<Group>** tab and click **Groups**. Optional: click the switch view button so you can see the groups on the left and the locations on the right.
- 7. Select a group. You can use the search function to quickly find the group you are looking for.

Groups	Locotrees								
+ Greep / Greup	X Group Add Locations	🐐 📋 Show only saved	ted y	R 100 X	Humper Plan Grid	pt Switch Were	Line seators in a	topic only address	× 1
Erragi harter	a Description	Heaten	# Domes		former .	IP Address	stat Address	make ter	eleven
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anter a street and a		10	1	6 - F	Rancy Imp	878,49346,593		1944	1.5
Manual group ON	Cranal In Long	+ ·			mark DHE	64.102.87.192		1.64.6	1
					and tools	10.00.121.47		1040	+
					prist pr	10.45.74.111		1919	1
						44.101.131.134	107-07-44.08 (IV-83	1010	1
					1012	\$4.191.191.192	10.0144-00-09.04	1916	2
					Wat DRW	84.102.07.201		1010	2

- 8. Select the locations you want to add to the selected group from the Locations panel.
- 9. Click Add Locations.

						and the second second				
Granges					11 Demo	Locations				100 100 100
- Gracp / Gracp	X Group	Add Locations	€ □ shaw o	inty celecter:	P X	Romove Freis Greu	ps Selitch View	all show enable [] \$	new only selected	PL
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						ridh 2	6+.101.100.000	20.06/44-00.6/Lda	45.4	E
						wheel Dome.	04.102.85.281		101.0	2

10. Select the locations you want to add from the Select Locations screen and click OK.

Show only	selected		🔎 100			
Name 🔺	IP Address	MAC Address	Display Spec	Description	#Groups	
00-Club-A-B	64.101.138.105	00:0a:00:00:	Panasonic-TH	Center Bar TV	1	
00-Club-A-B	10.24.162.12	00:0b:00:00:	Panasonic-TH	Left Bar TV	з	
00-Club-A-B	64.102.87.133	00:0c:00:00:	Panasonic-TH	Right Bar TV	1	

The locations are added to the list of locations for the selected group(s). The #Locations column indicates how many locations are now in the selected group.

Location<->Group Grou	p<->Zone		
Locations Groups			
Groups			16 Groups
🕂 Group 🥖 Group	X Group Add Locations	🚯 📄 Show only seled	ted 🔎 💿 🗙
Group Name A	Description	#Locations	#Zones
bar_LW_group	L wrapped content	0	0
concession_group		0	2
concoursel_group		12	1.
concourse2_group		10	2
concourse3_group_LW	L-wrap in <u>con</u> 3	3	0

Assigning a Proxy DMP to a Location

A location can be setup as a proxy of another location in the venue so that you can view what is going to be displayed on a TV. This helps you to verify that the proper content is assigned for a particular group and location. Only DMPs with type 'Location With Network' can participate in proxy activities. This is configured through the **Setup > Devices > Locations & DMPs** panel. Refer to the *StadiumVision Video Endpoints Design and Implementation* Guide for instructions.

To assign a proxy DMP to a location:

- 1. Open the **Location<->Group** tab and click the **Location** button.
- 2. Select a location from the list.
- 3. Click Assign Proxy. A screen showing the list of available proxy locations displays.
- 4. Select a location from the list and click OK.

Available Proxies X								
Name	IP Address	MAC Address	Target Name	Target IP Addre	Target MAC Add			
				0	K Cancel			

Editing the Name and Description

Once you have added a zone or group, you can edit the name and description at any time as follows:

/ Group

- 1. Open the Location<->Group tab and click the Zones or Groups button.
- 1. Select the group or zone name you want to edit.
- 2. Click the zone or group edit button:
- 3. In the Edit dialog box, edit the name and/or description and click **Save**. The new name and description will display in the zone or group list.

Edit Zone		×
Name	concourse3_zone	
Description	300 Level	
	Bave Cance	

Best Practices for Zones and Groups

When deploying zones and groups, consider the following:

Rules for Groups and Zones

- The more groups and zones you have, the more complicated the deployment becomes.
- To simplify the deployment, keep the number of unique advertising areas, exit directions, and welcome screens to a minimum.
- While it is possible for a zone to have different screen templates throughout the course of an event, the more screen templates you use, the more complex the deployment and administration becomes. To simplify the system management, limit the number of screen templates for a given zone.
- A DMP can be in different zones during each event state.
- A DMP that is in multiple zones and groups cannot have more than one action assigned to it for a given event state.
- A DMP can be in only one group at a given state. However, a DMP can switch groups when in a different event state.
- The maximum number of groups that is supported for a zone is 20; however, typically you'll have three or four groups for a given zone.
- The maximum number of zones supported in a venue is 100; however, 20 zones is typical for a given venue.
- The background for an RSS ticker can change per group/zone.
- All zone and group names must be unique.

Limits for Deploying Zones and Groups

Table 2 defines the limits for deploying zones and groups.

Table 2.Limits for Deploying Groups and Zones

Specification	Limit
Max number of zones	100
Max number of groups	500
Max number of groups per zones to be supported	20
Max number of event states	50
Max number of templates you can have in different groups and zones for a single event state	50
Max number of luxury suites	500
Max number of DMPs	5000
Number of items per playlist	1200