



# Working with Zones, Groups, and Locations

User Roles: Administrator, Content Manager

This module provides an overview of the Cisco Vision Director hierarchy of zones, groups, and locations to manage content delivery in a venue.

## Information About Zones, Groups, and Locations

Cisco Vision Director supports reliable delivery of content to thousands of endpoints, providing venues the flexibility to place numerous TVs throughout the concourses, in locations such as:

- Bars and restaurants
- Luxury suites
- Locker rooms
- Concession areas
- Restrooms
- Back offices

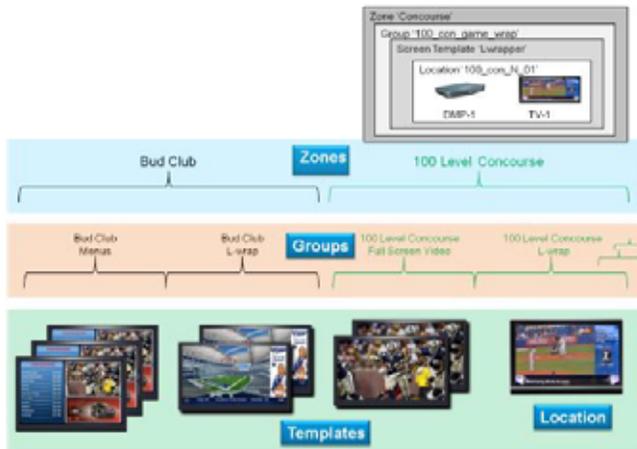
Digital content, in the form of still or animated graphics and video ad insertions, can be targeted and delivered—with accompanying event video in HD or separately—to any display or group of displays throughout the venue.

When you have hundreds or thousands of TVs on which you want to display different video signage, sponsored content, TV channels, and menus, you need a way to automate the configuration and manage the endpoint locations.

Cisco Vision Dynamic Signage Director defines a hierarchical architecture that allows you to easily identify the location of the displays and manage the content that they are playing.

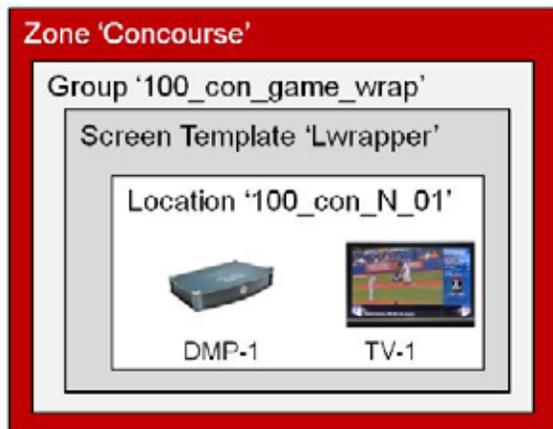
To provide a logical way of organizing the hundreds to thousands of endpoints in a venue, Cisco Vision Director implements a hierarchy of the following entities shown in [Figure 1, on page 56](#):

- Zones
- Groups
- Locations

**Figure 1** Zones, Groups, Templates, and Locations Hierarchy

## Zones

A *zone* is typically a physical area in the venue. Examples of zones include concourses, clubs, and team stores. [Figure 2, on page 56](#) shows the nested hierarchy with a zone named 'Concourse' at the top level.

**Figure 2** Nested Hierarchy with Zone at Top Level

## Groups

Groups are the second level in the hierarchy. You can think of groups as “children” or subsets of a zone. A *group* defines a collection of devices (DMPs/TVs) that all display the same content, using the same template. Groups consist of a set of *locations* in the hierarchy.

### Example

Consider the case of TVs in a concourse area on which you want to show a game feed with sponsored advertising. Rather than configure each individual TV to show this content, you can configure them as a group and change all of the TVs with a single action. You can then associate the group to a zone to identify the area of the stadium where they are located.

[Figure 3, on page 57](#) shows a group named "100\_con\_game\_wrap" that is part of the "Concourse" zone. As indicated by the name of the group, this is for all of the TV displays using the game wrap format (from a screen template) in Concourse 100 of the venue.

**Figure 3 Group within a Zone**



## Locations

Locations are the lowest level in the Cisco Vision Director hierarchy. A *location* defines a specific place in the venue where a TV and DMP reside.

Figure 4, on page 57 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.

**Figure 4 Location Example**



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.

**Note:** Be careful NOT to confuse the *civic location* on Cisco Catalyst switches with the DMP Location in Cisco Vision Dynamic Signage Director.

## Default Zones from Legacy Cisco Vision Dynamic Signage Director Releases

**Note:** In older Cisco Vision Director Releases, the following default zones were provided:

- Delay\_zone
- Emergency\_zone

- Non-event\_zone

These zones will only appear in your system if you have upgraded from a release where they were introduced, and if they were used.

Consider the following guidelines for these default zones:

- Assign a group to each of the default zones.
- Default zones cannot be renamed.
- To assign all media players to one of these zones, create a new group, add all media players to that group, and then add that group to the zone.
- Any media players that do not have an action in the emergency/delay state will have Proof of Play disrupted in the emergency/delay state.
- All TVs assigned to the emergency\_zone will display the configured Emergency message when the Emergency ad hoc state is started by the Event Operator.

## DMP and Location Relationships

Under **Devices** in the **Control Panel**, Cisco Vision Director identifies three object types for DMPs and Locations.

- DMP
- Location
- DMP+Location

After DMPs are deployed, they must be linked to **Locations** to change their state to **Ready** and to be able to stage content to them.

These object types can be created manually using the Cisco Vision Director web interface or uploaded using the Bulk Administration Tool (BAT). For more information about BAT, see the [Cisco Vision Director Bulk Administration Tool](#) document.

For information about adding Locations, see [Adding Locations Manually in Control Panel Setup, page 62](#)

## DMP Type

The DMP object type specifies the following information about the media player. This object can be manually added or automatically created by the device auto-registration process.

- Name—If you auto-register the device, then the name is automatically created from the MAC address (e.g., AUTO-00-0f-44-01- a5-ec).
- Unassigned—When a Location+DMP object is unlinked, the DMP object has name " Unassigned-xx-xx..." .
- Description—(Optional) Any additional information about the media player.
- IP Address—IP address of the media player.
- MAC Address—MAC address of the media player.
- Location ID
- Disabled—Device status. A value of " Yes" disables the device.
- DMP Model—Type of media player model.
- Wifi Enabled—Yes or No enables the wifi capability on the device.

- Proxy—Yes or No

### Location Type

The Location object type defines the physical location where the digital media player is installed in the venue, with the following information:

- Name—Location of the media player in the venue.  
**Note:** Best practice: use a naming convention that allows an operator to easily identify where the TV is physically located in the venue.
- Description—(Optional) Any additional information about the location.
- Location ID—(Optional) Identifier for the location. This field is typically not used.
- Display Spec—Type of TV display at the location.

### DMP+Location Type

DMPs must be linked to **Locations** to establish this object type and to put the digital media player in **Ready** state. For more information, see [Linking DMPs to Locations or Ready State, page 63](#).

## Zones and Groups Screen

From the Zones & Groups screen you can:

- 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.

The Zones & Groups screen contains navigation tabs at the top of the screen, operations controls below the navigation tabs, and a details area in the middle of the screen ([Figure 5, on page 60](#)).

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 ([Figure 5, on page 60](#).)

Figure 5 Zones and Groups Screen



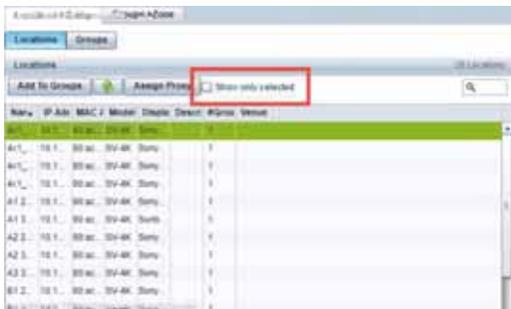
### Search and Show Selected Functions

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 by:

- Location, zone, or group name
- IP address
- MAC address
- TV details
- TV description

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. Narrow the list and display only selected entries using the CTRL-click and SHIFT-click keyboard functions. Select the entries and then enable the checkbox next to **Show only selected** (Figure 6, on page 60).

Figure 6 Search and Show Functions



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

To clear the search criteria and display all items on the screen, uncheck the **Show only selected** option. To refresh the list, click the **Refresh** icon.

**Figure 7** Selecting Detail



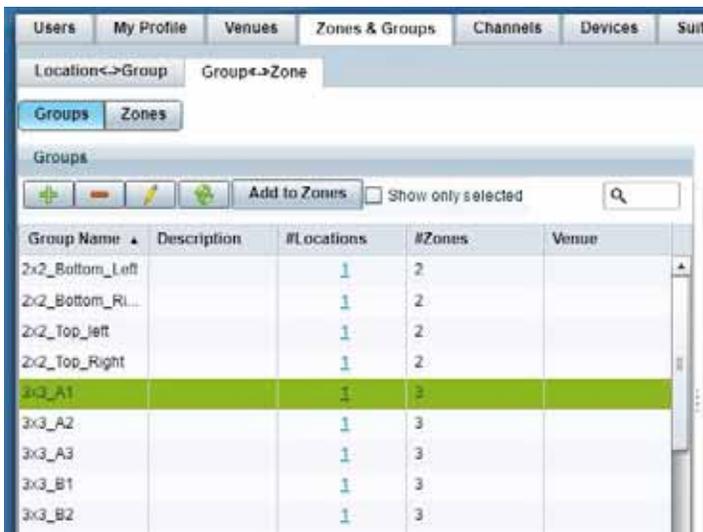
There are a number of ways to switch the view on the Zones & Groups screen. Click the **Switch View** option to flip the right and left panels on the screen. Depending on the information you are looking for or the operation you are performing, this can make it easier to transcend the hierarchy and find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

**Figure 8** Switch View–Zones & Groups



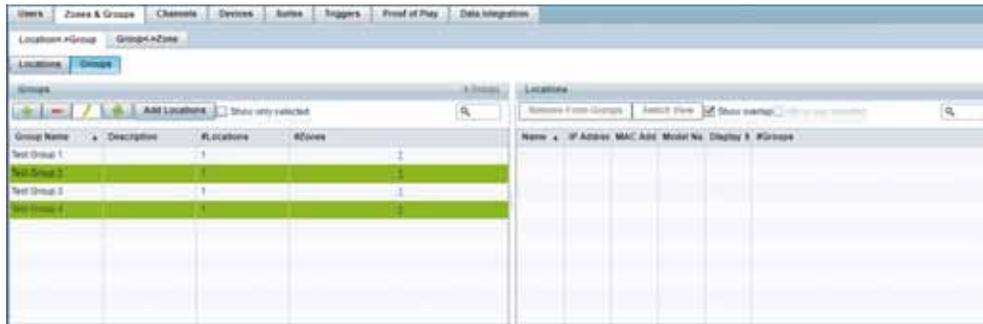
Another way to switch the view on the screen is to click the number links in the #Groups, #Locations, #Zones columns. For example, you can select a Location Name and then click the numbered link under #Location to show all the locations for a selected Group. Only the numbers with an underline are active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

**Figure 9** Switching the View on the Zones & Groups Page



**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 no overlap between these three devices.

**Figure 10 Showing Overlaps**

## How to Configure Locations

This section includes the following topics:

- [Guidelines for Naming Locations, page 62](#)
- [Adding Locations Manually in Control Panel Setup, page 62](#)
- [Linking DMPs to Locations or Ready State, page 63](#)

## Guidelines for Naming Locations

The optimal naming convention will vary from venue to venue, depending on size and layout. However, some recommendations can be provided for how to best create a systematic naming convention.

"100-NE-020" is an example of a good Location Name for the 20th display in the North East corner of Concourse 100.

Consider the following guidelines to create a systematic Location naming convention:

- Names should only use "A-Z" "a-z," "0-9," space ( ), underscore (\_), and dash (-).

**IMPORTANT:** Do not use % \* , : ? = / \ " ' { } ( ) +

- Include floor or concourse levels.
- Include directional references such as (N) North, (S) South, (E) East and (W) West.
- Use a numeric suffix to differentiate between otherwise identical locations.
- Use generic names that are unlikely to change over time.

**TIP:** Use the Location Description if you want to refer to sponsor and room names. You can modify the description at any time without affecting the Location-to-Group mappings.

- Attach labels with Location Name to each TV in the venue. This simplifies identifying a problem TV and searching for it in the Cisco Vision Dynamic Signage Director Management Dashboard.

**TIP:** Print the Location Name on the label as both text and in bar code so the label can be scanned during installation.

## Adding Locations Manually in Control Panel Setup

User Roles: Administrator, Content Manager, Event Operator

**TIP:** As a time saver, use the Bulk Administration Tool (BAT) to manage multiple configuration changes at once. For more information, see the [Cisco Vision Director Bulk Administrator Tool](#) document.

**To add Locations manually in Control Panel Setup:**

1. Go to **Tools > Control Panel> Setup > Devices**.
2. Click **Locations & DMPs**.
3. Click **+Add**.
4. In the Create New dialog box, complete the following fields:
  - a. Type—Select **Location**.
  - b. Name—Naming convention for the location of the media player in the venue.

**IMPORTANT:** Do not use % \* , : ? = / \ “ ‘ { } ( ) +

For more information, see [Guidelines for Naming Locations, page 62](#).

- c. Description—(Optional) Any additional information about the location, or more readable form of the naming convention used in the Name field.
  - d. Location Id—(Optional) Identifier for the location. This field must be unique per location.
  - e. Display Spec—Select the type of TV display at the location.
5. Click **OK**. The added groups or locations are displayed in the adjoining panel view.

## Linking DMPs to Locations or Ready State

User Role: Administrator, Content Manager, Event Operator

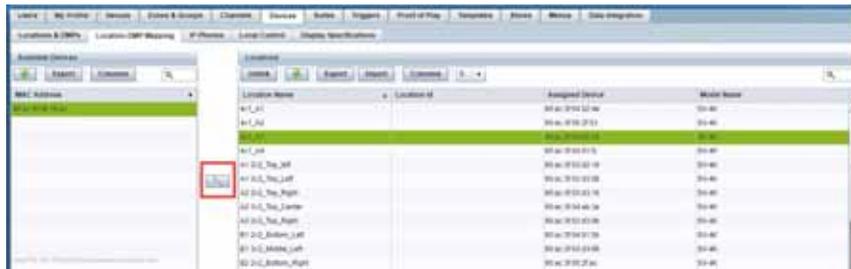
Linking or mapping a DMP with a Location is the final step in preparing a DMP to be able to stage content. Once a DMP is linked, it goes to “Read” state. Then, when content is staged it changes to “In Production” state.

This task describes how to manually link media players to locations. A faster method when you have multiple media player/location updates is to use the Bulk Administration Tool (BAT). For more information about BAT, see the [Cisco Vision Director Bulk Administration Tool](#) document.

**Note:** Mapping an AUTO DMP to a Location that already has a DMP mapped will overwrite the existing mapped DMP/Location assignment with the new DMP/Location assignment. The former mapped DMP will then return to the pool of AUTO/unassigned DMPs.

**To manually link DMPs to Locations:**

1. Go to **Tools > Control Panel > Setup > Devices**.
2. Click **Location-DMP Mapping**.
3. In the Available Devices list, select the MAC address of the DMP that you need to link.
4. In the Locations list, select the Location Name that you want to link to the selected DMP.
5. Click the Link device button (between the Available Devices and Locations Panels).

**Figure 11 Linking Devices**

## Unlinking DMPs from Locations

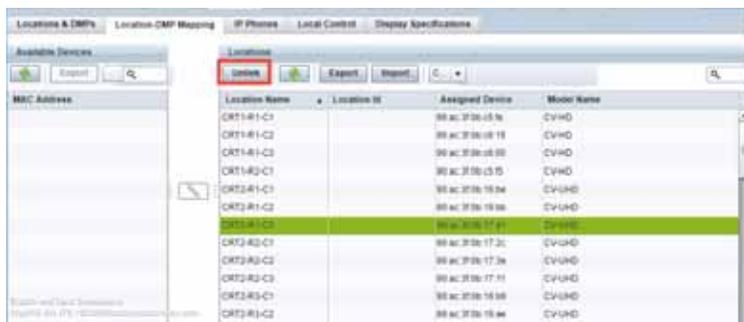
User Role: Administrator, Content Manager, Event Operator

Unlinking DMPs from their assigned locations is required when you need to replace a failed device. For details about how to replace a failed device during an event, see [Replacing a Failed Media Player While an Event Script is Running](#), page 248.

This task describes how to manually unlink media players to locations. A faster method when you have multiple media player/location updates is to use the Bulk Administration Tool (BAT). For more information about BAT, see the [Cisco Vision Director Bulk Administration Tool](#) document.

### To manually unlink DMPs from Locations:

1. Go to **Tools > Control Panel > Setup > Devices**.
2. Click **Location-DMP Mapping**.
3. In the Locations list, select the Location Name from which you want to unlink an associated DMP.
4. Click **Unlink**.

**Figure 12 Unlinking Devices from Locations**

## Associating Venues to Locations for Multiple Venue Support

Locations can be associated with venues in a multi-venue environment.

For details about configuring multiple venue support in Cisco Vision Director, including associating locations to venues, see the Configuring Cisco Vision Director for Multiple Venue Support module of the [Cisco Vision Director Server Administration Guide](#).

## How to Configure Zones and Groups

You can create a zone and group hierarchy and event script before you have added a single device in Cisco Vision Director. 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.

This section includes the following topics:

- [Best Practices for Zones and Groups, page 65](#)
- [Guidelines for Zones and Groups, page 66](#)
- [Guidelines for Naming Zones and Groups, page 67](#)
- [Limits for Deploying Zones and Groups, page 69](#)
- [Accessing the Zones and Groups Screen, page 69](#)
- [Adding Zones, page 70](#)
- [Adding Groups, page 70](#)
- [Adding Groups to Zones, page 71](#)
- [Removing Groups from Zones, page 71](#)
- [Adding Locations to Groups, page 72](#)

### Best Practices for Zones and Groups

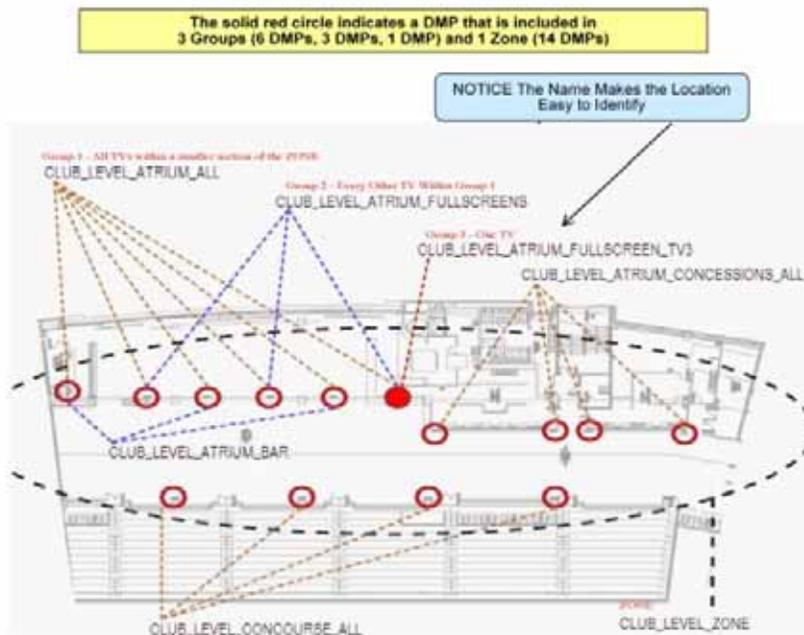
Here are some helpful tips:

- The more groups and zones you have, the more complicated the deployment becomes.
- Do some careful planning to make your organization both simple and useful.
- Create groups of media players of the same model type. For example, the group contains all Cisco DMP 2Ks or all SV-4Ks.
- Create zones of like-model groups for best results. Applying the same state across multiple groups of different media player types can be problematic due to the differences in content support among different media player models.

**Note:** If you must mix model groups in a zone, be sure the content reflects the lowest common denominator of support for the devices that you are mixing. Test your content for expected behavior. Consider many things such as dual video, SWF, and video walls.

[Figure 13, on page 66](#) shows an example of how a DMP (indicated by the solid red circle) can fit into three different groups within one zone.

**Note:** Use careful judgment when creating single-DMP groups to reduce any extra processing for Cisco Vision Dynamic Signage Director. Good cases for single-DMP groups are video walls or suites where you need to control the content on individual TV displays.

**Figure 13 Group and Zone Diagram Example**

- Maintain easy-to-read naming conventions for groups using a logical and systematic naming convention.

**Example:** CLUB\_LEVEL\_ATRIUM\_ALL = Group containing all of the DMPs in the Pucket Atrium of the Club Level. For more details, see [Guidelines for Naming Zones and Groups, page 67](#) or the guide that corresponds to your release on Cisco.com.

- Improve your DMP names whenever you come across one that is not clear.
- Keep the number of unique advertising areas, exit directions, and welcome screens to a minimum.
- Limit the number of screen templates for a given zone.  
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.

## Guidelines for Zones and Groups

Consider the following guidelines when creating zones and groups:

- A DMP can be in different zones during each event.
- 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.
- Only one DMP type should be used in any zone and in the groups belonging to any zone. This ensures all media assigned to that zone or its groups has the same media playback capabilities.
- The maximum number of groups supported in a venue is 500.
- 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.

## Guidelines for Naming Zones and Groups

With thousands of displays and hundreds of zones and groups, naming is especially important.

A good way to keep your zones and groups organized is to use a text-based convention and then assign prefixes so that you can sort by similar groups and zones in the Control Panel. This makes it easy to find devices by geographical or logical groupings.

### Group Name

Make the group name the same as the DMP name so you have a ratio of 1:1 of DMPs to Groups.

### Zone Name

These are truncated versions of the location names that make up the zone.

Level\_Type\_Name\_Sec/Suite\_Size (7SW\_VW\_CoorsBar\_732\_2x2 or 4NE\_Con\_HubBar\_3x1\_Menu)

### Description Naming

Site specific, usually an IT naming structure or construction naming structure.

- Using long form names can complicate dashboard searches.
- An alphanumeric structure can be used here to add a second option when searching in Dashboard. (This is site specific and often used with new builds that have in depth blueprint plans.)

### Playlist Naming

Each descriptor should only be used when appropriate to reduce playlist name length. (i.e., a playlist that runs all game doesn't require a "TIME" descriptor.)

- General
  - Script - Type Area **Size Screen** Time (VENUE - FS Concourse Pregame)
- Video Wall
  - Script - Type Area Size Screen **Time** (VENUE - VW HelixBar 3x3 A1)

### Content Naming

Source\_Type\_Name\_Subname.filename (SPON\_Lwrap\_COMPANYmp4 or CON\_FS\_HubBar\_Menu.png)

- This is the basic structure for naming content. Some venues like to include dates, expiry dates, etc.
- Keeping names of content consistent and generic to the brand can assist in content replacement via upload. For example, a new piece of content for COMPANY can be uploaded to replace all running "old" content if the names are the same.

### Template/Region Naming

Concession templates start with CON\_ (CON\_Menu\_FS or CON\_Menu\_Right)

- Layer names are descriptors related to what content or playlist will be assigned to that layer in the script (background or widget).

VW templates can start with VW\_ or just the size\_ (3x3\_B1).

- Layer names are the same as template names.
- Template names should include the venue in a multi-venue environment.

Examples:

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 might have a zone called “Club A Menus” and then have individual groups with each group showing a different menu.

Consider the following guidelines to create a systematic Location naming convention:

- All group and zone names must be unique.
- Assign names to zones and groups that reflect the area where the display is located and the screen template or advertising playlist you will be using for that display.
- Names should only use “A-Z” “a-z,” “0-9,” space ( ), underscore (\_), and dash (-).

**IMPORTANT:** Do not use % \* , : ? = / \ “ ‘ { } ( ) +

- When naming zones, consider adding a prefix for the concourse level at the venue.

For example, add ‘100’ to all clubs on the 100 level. This makes it easy to find and manage these clubs in Cisco Vision Director as they are sorted alphabetically.

- When naming groups, consider adding a suffix to identify where or what content will be displayed in the group.
- Add abbreviations to the group name to identify which screen template is being played by a given group.

This allows you to quickly identify what type of content is supposed to play on each group of TVs in the suite or other location in the stadium. [Figure 14, on page 69](#) shows abbreviations for identifying the different types of screen templates.

**Figure 14 Abbreviation Examples for Identifying Templates in Groups**



## Limits for Deploying Zones and Groups

Table 1, on page 69 defines the limits for deploying zones and groups.

**Table 1 Limits for Deploying Groups and Zones**

| Specification  | Limit             |
|--|-------------------|
| Maximum number of zones.   | 100               |
| Maximum number of groups.  | 500               |
| Maximum number of groups per zones to be supported.  | 20                |
| Maximum number of event states.  | 50                |
| Maximum number of templates you can have in different groups and zones for a single event state. | 50                |
| Maximum number of luxury suites.   | 500               |
| Maximum number of all media player devices in the system.  | 5000 <sup>1</sup> |
| Maximum number of items per playlist.  | 1200              |

1. The maximum of 5000 total media players was qualified on a Platform 3 Server.

## Accessing the Zones and Groups Screen

User Roles: Administrator, Content Manager, Event Operator

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

**To access the zones & groups screen:**

1. Go to **Tools > Control Panel > Setup**.
2. Click **Zones & Groups**. The Zones & Groups screen displays.

## Adding Zones

User Roles: Administrator, Content Manager, Event Operator

**To add a zone:**

1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Click the **Group<->Zone** tab.
3. Click **Zones**.
4. Click the green "plus" + icon. The New Zone dialog box appears ([Figure 15, on page 70](#)).

**Figure 15** Creating a New Zone



5. In the New Zone dialog box, do the following:
  - a. Type a name for the group.
  - b. Type a description of the group.  
**TIP:** You can leave the description for the group blank and add it later.
  - c. (SV-4K only) To configure zone-based video wall synchronization, select the **Use as Video Wall** checkbox.  
For more information, see [How to Configure Video Walls with the Digital Media Players, page 168](#).
6. Click **OK**. The new zone appears in the Zone Name list.

## Adding Groups

User Roles: Administrator, Content Manager, Event Operator

**To add a group:**

1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Go to either the **Location<->Group** or **Group<->Zone** tab.
3. Click **Groups**.
4. Click the green "plus" + icon.
5. In the New Group dialog box, type a name and description for the group and click **OK**. The new group appears in the Group Name List.

**TIP:** Do not use spaces in group names.



## Adding Groups to Zones

User Roles: Administrator, Content Manager, Event Operator

### To add groups to zones:

1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Click **Group<->Zone**.
3. Do one of the following:
  - a. To select by group(s) and add zones to those groups, click **Groups**.
  - b. To select by zone(s) and add groups to those zones, click **Zones**.
4. Select the group(s) or zone(s) depending on the panel view that you are using.

### TIP:

- To narrow the display listing, use the search function.
  - To select multiple items in the list, use Ctrl-click or Shift-click keyboard/mouse sequence.
5. Do one of the following:
    - a. If using Groups view, click **Add to Zones**.
    - b. If using Zones view, click **Add Groups**.
  6. Do one of the following:
    - a. In the **Select Zones** dialog box, select the zones to which the selected group(s) are added.
    - b. In the **Select Groups** dialog box, select the groups to be added to the selected zone(s).
  7. Click **OK**. The added zones or groups are displayed in the adjoining panel view.

## Removing Groups from Zones

User Roles: Administrator, Content Manager, Event Operator

### To remove groups from zones:

1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Click **Groups**.

**Note:** Remove groups from zones by clicking **Zones** and selecting the zone and corresponding groups to be removed from that zone. Click **Remove from Zones**.

3. In the Groups panel, select the group.
4. In the Zones panel, select the zone to be removed from the group.
5. Click **Remove**.
6. In the confirmation dialog box, click **Yes**.

## Adding Locations to Groups

User Roles: Administrator, Content Manager, Event Operator

### IMPORTANT:

- Before you can add locations to groups and zones, you must add the device location in **Tools > Control Panel > Setup > Devices**.
- If you are migrating deployed devices from a single venue to a multi-venue system, follow the required steps for proper location association in the [Configuring Cisco Vision Dynamic Signage Director for Multiple Venue Support](#), page 35 of the [Cisco Vision Administration Guide: Dynamic Signage Director](#), 6.1.

### To add locations to groups:

1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Click **Location<->Group**.
3. Do one of the following:
  - a. To select by location(s) and add groups to those locations, click **Locations**.
  - b. To select by group(s) and add locations to those groups, click **Groups**.
4. Select the location(s) or group(s) depending on the panel view that you are using.

### TIP:

- To narrow the display listing, use the search function.
  - To select multiple items in the list, use Ctrl-click or Shift-click keyboard/mouse sequence.
5. Do one of the following:
    - a. If using Locations view, click **Add to Groups**.
    - b. If using Groups view, click **Add Locations**.
  6. Do one of the following:
    - a. In the **Select Groups** dialog box, select the groups to which the selected location(s) are added.
    - b. In the **Select Locations** dialog box, select the locations to be added to the selected group(s).
  7. Click **OK**. The added groups or locations are displayed in the adjoining panel view.

## Managing Zones, Groups, and Locations

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

## Editing the Name and Description of Zones and Groups

User Roles: Administrator, Content Manager, Event Operator

### To edit the name and description of a zone and group:

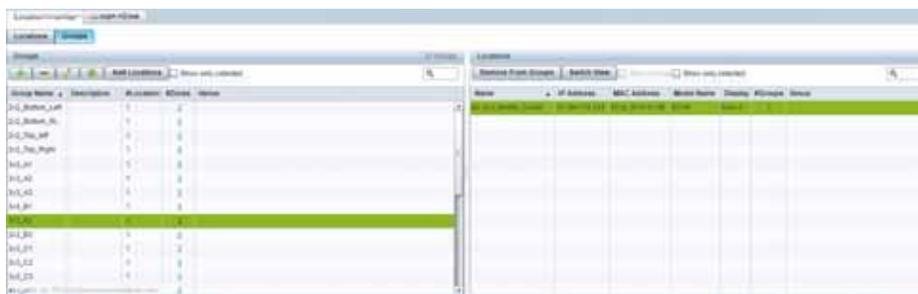
1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Click **Group<->Zone**.
3. Do one of the following:
  - a. To edit a group, click **Groups**.
  - b. To edit a zone, click **Zones**.
4. In the left panel view, select the group or zone that you want to edit.
5. Select the pencil icon to open the Edit dialog box.
6. Change the name and description as needed.
7. Click **Save**.

## 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.

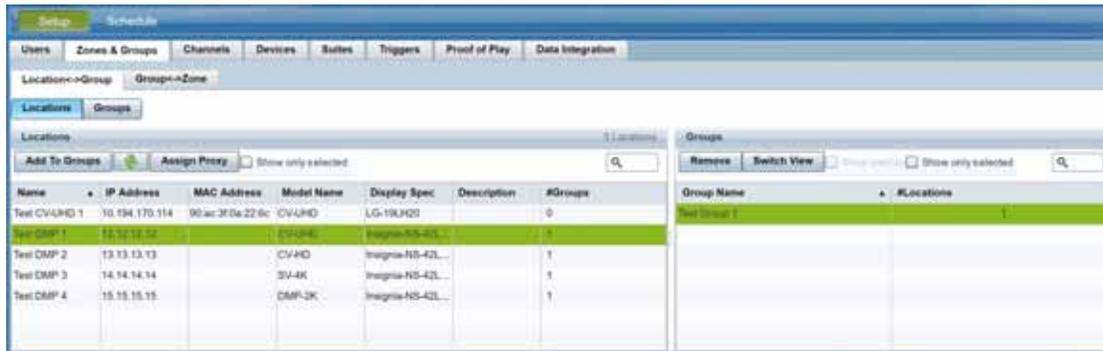
**Figure 16 Locations Detail Panel**



## Finding the Group and Zone to Which a TV Belongs

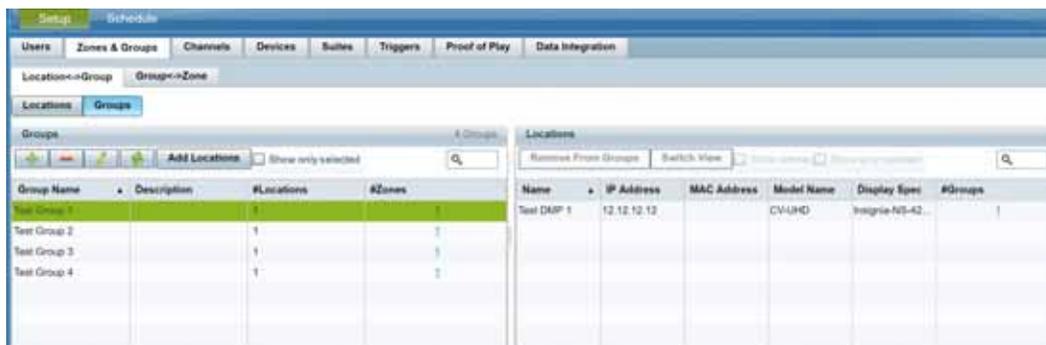
1. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Select the **Location <-> Group** tab and click the **Locations** button.
3. Select a location name. In this example, `Test DMP-1` is selected. The number of groups to which this location belongs shows under the `#Groups` column (in this example, there is 1 group). The names of the groups to which this location belongs displays in the `Groups` panel at the right.

Figure 17 Finding the Group and Zone for a TV



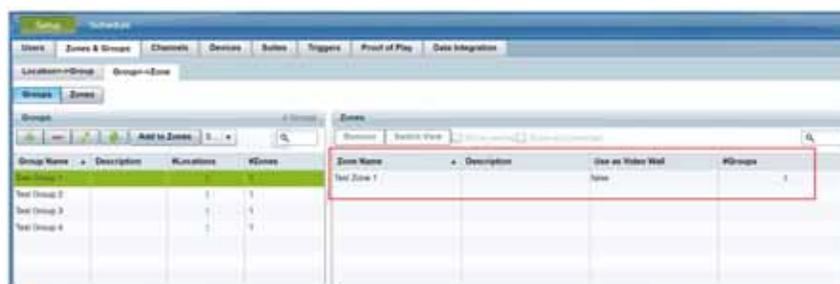
4. Select a group from the Groups panel and click **Switch View**. The number of zones for the selected group displays (Figure 18, on page 74) under #Zones (in this example, there is 1 zone).

Figure 18 Number of Zones

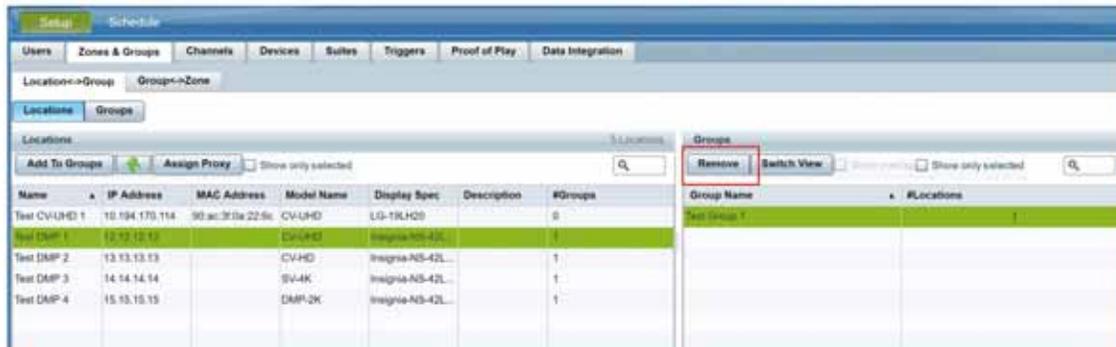


5. With the Group name selected, click on the number link in the #Zones column to show the zones (Figure 19, on page 74) to which the selected group belongs (in this example, Test Zone 1 belongs to 1 zone).

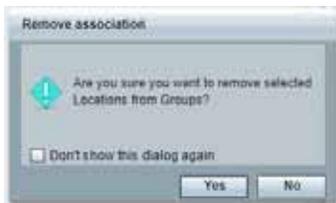
Figure 19 Zones a Selected Group Belongs



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



A conformation dialog box appears for you to confirm or cancel the operation.

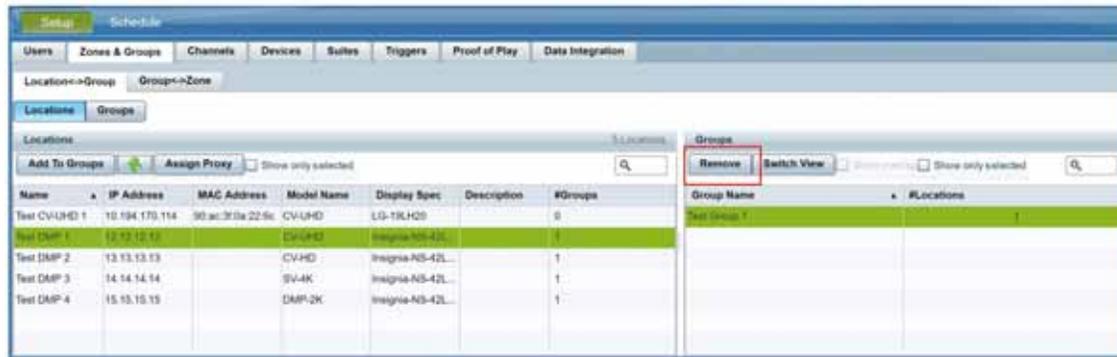


Click **Yes** to remove the locations from the selected groups. Once removed, they will no longer show in the groups list for those locations.

## Regrouping and Rezoning Locations

Once you have added and 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. Go to **Tools > Control Panel > Setup > Zones & Groups**.
2. Select the **Location<->Group** tab and click the **Locations** button.
3. Select the locations that you want to re-group. The Groups panel on the right will display the groups assigned to the selected DMPs.
4. 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.
5. Click **Remove** to remove all the locations from the selected groups. A warning dialog displays for you to confirm or cancel the operation.



6. Click **Yes**. The selected groups will be removed from the Groups panel.

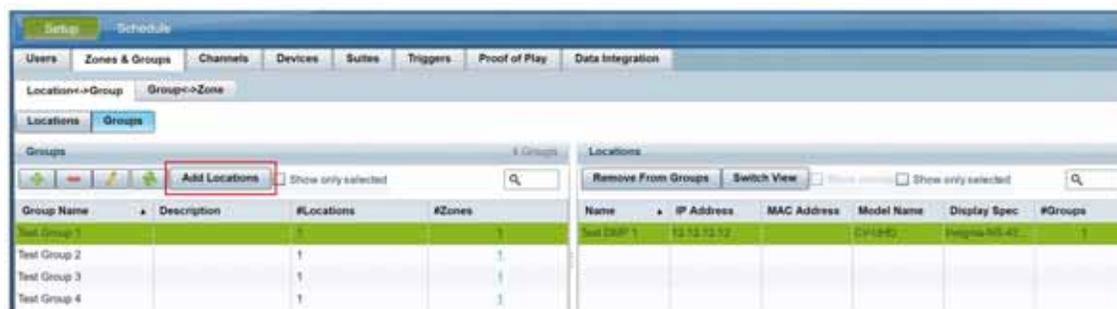


7. Select the **Location<Group>** tab and click **Groups**. Optional: click the switch view button so you can see the groups on the left and the locations on the right.

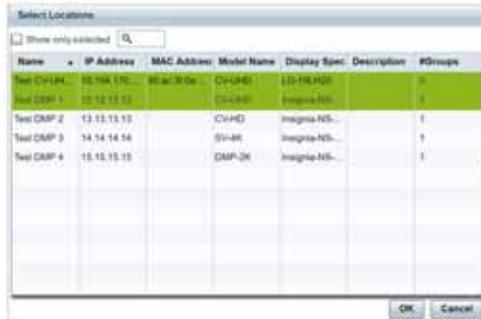
8. Select a group. You can use the search function to quickly find the group you are looking for.

9. Select the locations you want to add to the selected group from the Locations panel.

10. Click **Add Locations**.



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



| Name        | IP Address  | MAC Address       | Model Name | Display Spec | Description | #Groups |
|-------------|-------------|-------------------|------------|--------------|-------------|---------|
| Test Ch1-14 | 10.144.1.14 | 88:ac:3f:0a:11:14 | CV-LED     | 10-144-14    |             | 1       |
| Test DMP 1  | 10.12.12.12 |                   | CV-LED     | 10-12-12     |             | 1       |
| Test DMP 2  | 13.12.12.12 |                   | CV-LED     | 10-12-12     |             | 1       |
| Test DMP 3  | 14.14.14.14 |                   | CV-LED     | 10-12-12     |             | 1       |
| Test DMP 4  | 15.12.12.12 |                   | DMP-OK     | 10-12-12     |             | 1       |

## How to Migrate Deployed Devices From a Single Venue to a Multiple Venue System

There are very specific requirements when you migrate devices that have already been deployed in a venue to a multiple venue configuration in Cisco Vision Director.

For more information, see [Configuring Cisco Vision Dynamic Signage Director for Multiple Venue Support, page 35](#) in the [Cisco Vision Director Administration Guide: Dynamic Signage Director, 6.1](#).

