



StadiumVision



# **Cisco StadiumVision Director Role Based Access Control**

**Release 2.3 and 2.4**

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# Document History

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Table 1. Revision History

Date	Comments
2/8/2011	Updated for Cisco StadiumVision Director Release 2.3.
10/29/2010	First release for Cisco StadiumVision Director Release 2.2.

**NOTE:** This document describes RBAC support through Cisco StadiumVision Director Release 2.4.

In Cisco StadiumVision Director Release 3.0, the Self Service Content role was introduced. For more information, see the [Release Notes](#) and the [Cisco StadiumVision Director Self-Service Content Configuration Guide](#).

For information about RBAC in Release 3.1, see the ["User Management in Cisco StadiumVision Director"](#) module in the [Cisco StadiumVision Director Server Administration Guide](#).

# Role Based Access Control (RBAC)

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Behind every successful StadiumVision deployment are teams of people that have specific responsibilities pertaining to content and event management. For example, in addition to a system administrator, you may have an event operator, a content manager, and a technical support person. These roles are typically performed by a mix of Cisco personnel, partners and the customer's staff.

Cisco StadiumVision Director Release 2.2 and later releases features Role Based Access Control (RBAC) that limits which screens and applications are accessible in Cisco StadiumVision Director. With RBAC, Cisco StadiumVision administrators can assign login credentials to different "roles" and users. This ensures that each person has access to only the portions of the system for which they are trained and authorized to handle.

## Administrator Role

The Cisco StadiumVision *administrator* is the person who is responsible for deploying the StadiumVision solution throughout the venue. Administrators are "Super Users" whereas they have access to the entire Cisco StadiumVision Director interface and can perform all roles. Only the administrator has sufficient permissions to do the following:

- Installing, upgrading, backing up, and restoring Cisco StadiumVision Director.
- Adding devices to Cisco StadiumVision Director.
- Staging content.
- Configuring the channel line-up.
- Configuring local control areas such as luxury suites, back offices, and bars.
- Configuring Point of Sale (POS.)
- Generating Proof of Play (PoP).
- Configure the Dynamic Menu Board application.
- Configure and use the TV Off custom application.

Prior to the event, the administrator insures that all the content configured in Cisco StadiumVision Director shows up correctly on the TVs and that the quality meets the customer's acceptance criteria.

Only Administrators can create additional users and assign roles to users as needed. Multiple users can be assigned to the same role. Likewise, a single user can be assigned to multiple roles.

The Administrator role is pre-configured in Cisco StadiumVision Director and cannot be deleted. However, you can change the password.

[Table 2](#) defines the roles that can be assigned by the Administrator in Cisco StadiumVision Director Release 2.3.

**Table 2.** StadiumVision Director Roles

Role	Permissions
Event Operator	The <i>event operator</i> is the person who executes the StadiumVision event scripts during an event. The event operator role has permissions to change the transition of an event state from time-based to manual, move an event into one of the three ad hoc states (Inside Emergency, Outside Emergency, or Delay), and approve ticker content. Additionally, the event operator keeps track of which break states have played and is responsible for performing the pre-game walk-through.
Content Manager	The StadiumVision <i>content manager</i> is the person who is responsible for uploading content and ads provided by Creative Services Team. He/she then creates event scripts so that the correct content displays in the proper area of the venue and the proper area of the TV screen according to the specified schedule. The content manager role has permissions in Cisco StadiumVision Director to configure event states/scripts, zones, groups, screen templates, playlists, and tickers.
Support	The StadiumVision <i>support</i> person is responsible for first-level technical support. They have limited access to the Dashboard to monitor the DMP status, troubleshoot, and manage the DMPs on the StadiumVision network. The support role does not have permissions in the Control Panel except to change their own password. For more information on the tasks performed by the help desk role, see the <i>StadiumVision Director Management Dashboard Guide</i> .
Help Desk	The StadiumVision <i>help desk</i> person has read-only permissions to view and monitor information on the Dashboard. This role does not have permissions in the Control Panel except to change their own password. For more information on the tasks performed by the help desk role, see the <i>StadiumVision Director Management Dashboard Guide</i> .
Concessionaire	The <i>concessionaire</i> role provides access only to the Dynamic Menu Board application which allows modification of text-based items and the background graphic on menus and menu boards in concessions stands. All content uploaded by the concessionaire is available to all users that have sufficient permissions based on the roles assigned to them. The concessionaire role does not have permissions in the Control Panel or the Dashboard.
Facility Operator	The facility operator has access only to the TV Off application. The facility operator must access this application directly using the <a href="http://ipaddress:9090/web/sv/home">http://ipaddress:9090/web/sv/home</a> where <i>ipaddress</i> is the IP Address of the Cisco StadiumVision Director server.

## Access by Role

By assigning roles in Cisco StadiumVision Director, administrators can limit access to certain screens and Cisco StadiumVision Director applications. This ensures that each user has access only to the portions of the system for which they are trained and authorized to handle. [Table 3](#) lists the areas of StadiumVision Director that can be accessed by each role.

**Table 3.** Control Panel Roles by Functional Area

Control Panel Functionality	Admin	Event Operator	Content Manager	Support	Help Desk	Concessionaire	Facility Operator
Setup/User Management	Yes	No	No	No	No	No	No
Setup/My Profile	No	Yes	Yes	Yes	Yes	Yes	Yes

<b>Setup/Zones &amp; Groups</b>	Yes	Yes	Yes	No	No	No	No
<b>Setup/Staging</b>	Yes	No	No	No	No	No	No
<b>Setup/Channels</b>	Yes	No	Yes	No	No	No	No
<b>Setup/Devices</b>	Yes	No	No	No	No	No	No
<b>Setup/Luxury Suites</b>	Yes	No	No	No	No	No	No
<b>Setup/Proof of Play</b>	Yes	No	No	No	No	No	No
<b>Setup/Template Editor</b>	Yes	No	Yes	No	No	No	No
<b>Setup/Point of Sale</b>	Yes	No	No	No	No	No	No
<b>Control</b>	Yes	Yes	No	No	No	No	No
<b>Content</b>	Yes	No	Yes	No	No	No	No
<b>Ticker</b>	Yes	Yes	Yes	No	No	No	No
<b>Schedule</b>	Yes	No	Yes	No	No	No	No
<b>Management Dashboard</b>	Yes	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	No	No
<b>Video Distribution Manager</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>System State Reports</b>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Dynamic Menu Board Application</b>	Yes	No	Yes <sup>2</sup>	No	No	Yes <sup>3</sup>	No
<b>TV Off Application</b>	Yes <sup>1</sup>	Yes <sup>4</sup>	No	No	No	No	Yes <sup>4</sup>

<sup>1</sup> The Helpdesk role can issue Get Status, Ping, Display IP, and Query Syslog commands in the Management Dashboard. The Support role can issue the same commands as the Helpdesk and also TV On/Off, Set Display Input, Set Display Banner, Set Closed Captions, Set Video Channel, Cabling Test using TDR, and Show TDR Test Results.

<sup>2</sup> The Content Manager has access rights to configure the gadget content, select gadgets and specify parameters, thus making the instance ready to be included in a playlist. Once a Dynamic Menu instance is fully configured, the Content Manager can create event scripts that define the content to be played on the DMP in the concession stand.

<sup>3</sup> The Concessionaire has access rights to create, add, update and publish menu Themes to Cisco StadiumVision Director.

<sup>4</sup> The Event Operator and the Facility Operator can use the TV Off application, but cannot configure it.





## Control Panel Access for the Admin Role

The Administrator role has access to all Control Panel menus:



## Control Panel Access for the Content Manager Role

The Content Manager role has access to the following Control Panel menus:



## Control Panel Access for the Event Operator Role

The Event Operator Role has access to the following Control Panel menus:



## Control Panel Access for the Concessionaire, Help Desk and Support Roles

The Concessionaire, Help Desk and Support roles have access to the Control Panel only to change their login profile:



## Management Dashboard Access

The following table lists the Dashboard commands that are accessible by the Administrator, Support, and Help Desk roles.

Command Category	Command	Administrator	Support	Help Desk
Monitoring	Get Status	Yes	Yes	Yes
Monitoring	Ping	Yes	Yes	Yes
Global	Global DMP Settings	Yes	No	No
DMP Commands	Display IP	Yes	Yes	Yes
DMP Commands	Restart Flash	Yes	No	No
DMP Commands	Disable DHCP	Yes	No	No

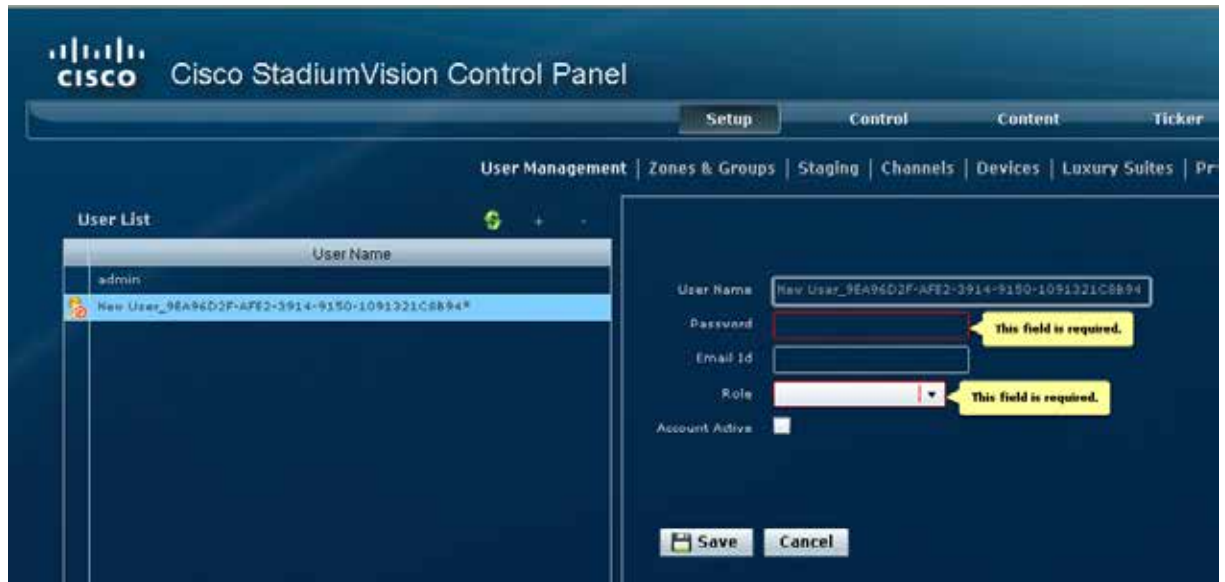
DMP Commands	Enable DHCP	Yes	No	No
DMP Commands	Update MIB	Yes	No	No
DMP Commands	Send RS232	Yes	No	No
DMP Commands	Play SWF	Yes	No	No
DMP Commands	Stop SWF	Yes	No	No
DMP Commands	Play Media URL	Yes	No	No
DMP Commands	Stop Media URL	Yes	No	No
DMP Commands	Set Alpha Transparency	Yes	No	No
DMP Commands	Reboot Device	Yes	No	No
<b>Command Category</b>	<b>Command</b>	<b>Administrator</b>	<b>Support</b>	<b>Help Desk</b>
DMP Install	Kernel Upgrade	Yes	No	No
DMP Install	Firmware Upgrade	Yes	No	No
DMP Install	SVD Upgrade	Yes	No	No
DMP Install	Restore Default Settings	Yes	No	No
DMP Install	Initial Config	Yes	No	No
TV Commands	TV On	Yes	Yes	No
TV Commands	TV Off	Yes	Yes	No
TV Commands	Set Display Input	Yes	Yes	No
TV Commands	Set Display Banner	Yes	Yes	No
TV Commands	Set Closed Caption	Yes	Yes	No
TV Commands	Set Volume	Yes	Yes	No
TV Commands	Set Video Channel	Yes	Yes	No
Miscellaneous	Query Syslog	Yes	Yes	No
Switch Commands	Power Cycle DMP	Yes	No	No
Switch Commands	Run Cabling Test Using TDR	Yes	Yes	No
Switch Commands	Show Cabling Test Results	Yes	Yes	No

## Assigning a Role to a User

If you are using RBAC in your venue:

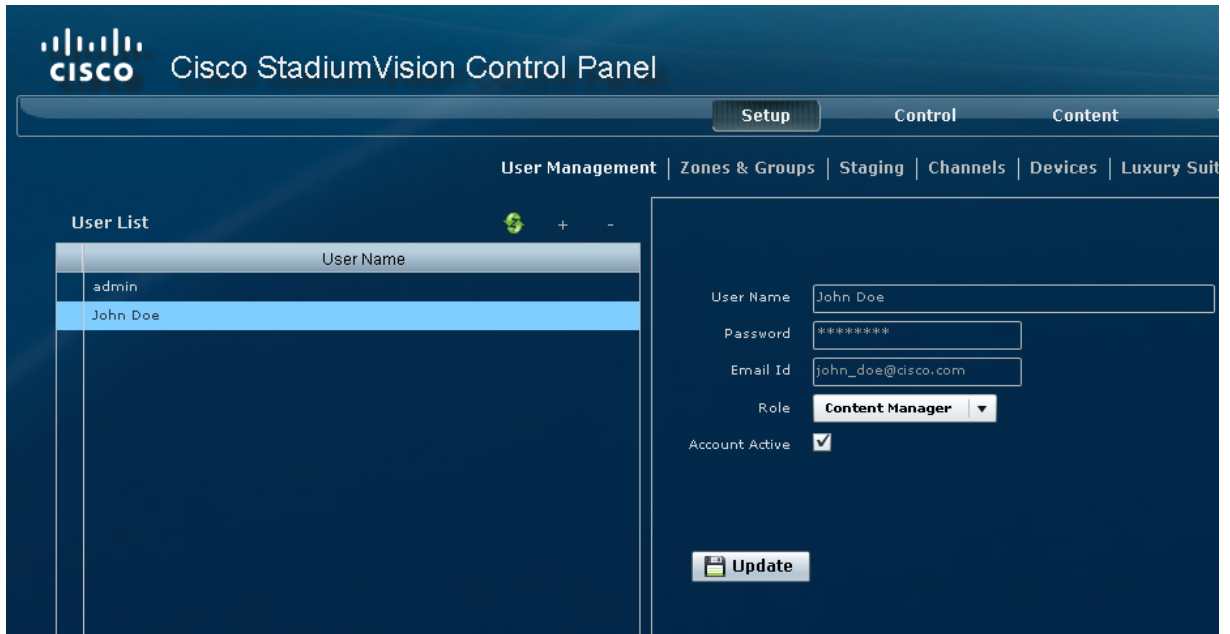
1. Collect the names, email addresses, and role responsibilities for the people that will need access to a given Cisco StadiumVision Director Server.
2. Log into Cisco StadiumVision Director and go to the Control Panel.
3. In the Setup screen, click the + at the top of the User List. “NewUser\_” followed by a MAC address will display in the User Name box and in the User List. Refer to Figure 1.

Figure 1. Adding a New User



4. Select the pre-defined role you want to assign from the Role drop-down box. For example, select **Content Manager**.
5. Click in the User Name box and type the desired user name. Note that you can assign the same user name to multiple roles.
6. Enter a password and the user's email ID.
7. Enable the **Account Active** checkbox to immediately enable role access for this person. Alternatively, leave this checkbox blank. You can always enable access for this user later.
8. Click **Save**. The User Name should now display in the User List. Also, a status message will display in the lower left corner of the screen to indicate that the new user is being added to the Cisco StadiumVision Director database:

Figure 2. Creating a New User



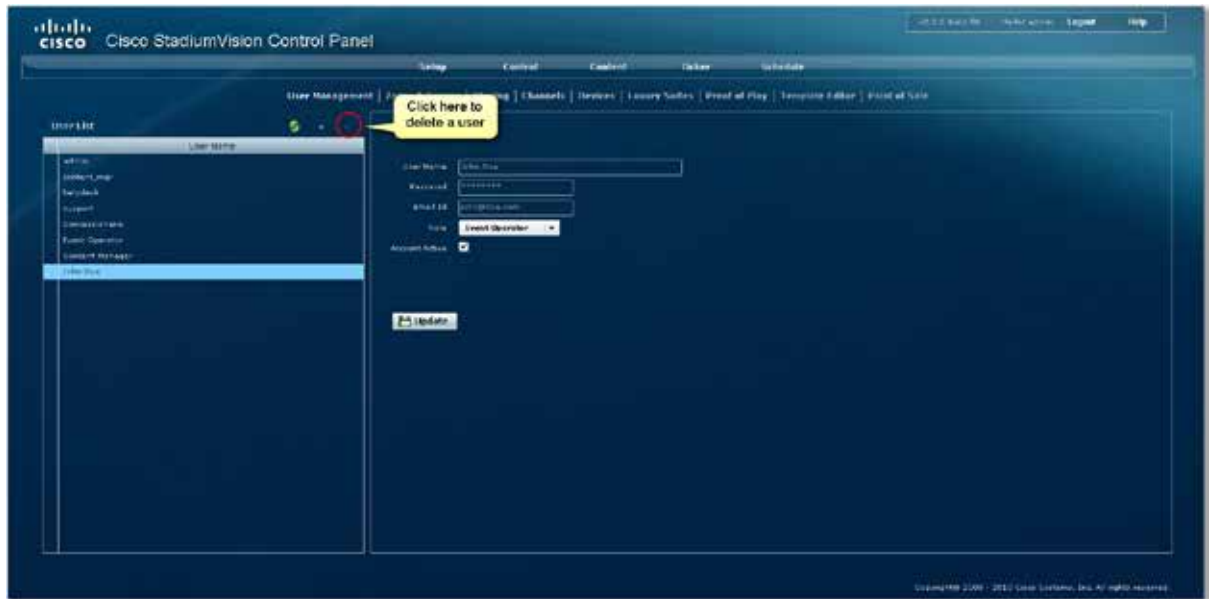
9. Verify that you can log in as this user:
  - a. Log out of Cisco StadiumVision Director.
  - b. From the Cisco StadiumVision Director Log In screen, click **Reset**.
  - c. Log in with the user name and password you just assigned.
10. Verify that you can access only those menus and applications in Cisco StadiumVision Director that are assigned to that role. Refer to [Table 4](#).
11. Continue assigning users to roles. You can assign the same user to multiple roles.

## Deleting a RBAC User

Once you create a user, the only way to change the user name is to delete the user and then add them back in with the new user name.

1. Login as admin and open the Control Panel.
2. On the Setup screen, select the user you want to delete from the User List.
3. Click the “-“ (minus sign) at the top of the User List.
4. Confirm or cancel the deletion in the confirmation dialog box.
5. Click **Yes** to delete the user or **No** to cancel. When you delete a user, the user name is removed from the User List.

Figure 3. Deleting a User



## Changing a User's Password

All Cisco StadiumVision Director users can change their own password and email address. In the event someone forgets their password, the Administrator can set a new password for them. Administrators can also change a user name; however, you have to first delete the user and then add them back into Cisco StadiumVision Director with a new user name.

1. Log in as admin and open the Control Panel.
2. On the Setup screen, select the user for which you want to change the password from the User List. An asterisk will display next to the user name in the User List.
3. Type a new password in the password field.
4. Click **Update**. The new password will be enabled the next time the user logs in to Cisco StadiumVision Director.