



User Management in Cisco Vision Dynamic Signage Director

Cisco Vision Dynamic Signage Director deployments normally have a team of people who are responsible for different aspects of the site setup and event operation. For example, in addition to a system administrator, there is usually an event operator, a content manager, and a technical support person, among other personnel. Each person has different skills and needs for working with the Cisco Vision Dynamic Signage Director software.

The Cisco Vision Dynamic Signage Director software implements Role-Based Access Control (RBAC) to control permissions and user access to only the portions of the system for which they are trained and authorized to use. More than one user can be assigned to the same role in the software. However, only a single role can be assigned to each username.

For more details about RBAC in a multi-venue environment, see [Role-Based Access Control for Hierarchical Management of Multiple Venues, page 49](#).

Information About User Management

This section includes the following topics:

- [Administrator Role Overview, page 71](#)
- [RBAC Roles Overview, page 72](#)
- [Access Summary by Role, page 74](#)

Administrator Role Overview

Note: This section describes the primary (or central) Administrator role in a Cisco Vision Dynamic Signage Director system. A Venue Administrator has a subset of administrative permissions that are authorized on a per-venue basis. See [Table 2 on page 75](#).

The primary Administrator role has unrestricted access to the Cisco Vision Dynamic Signage Director software, and is the only role that can add users and assign RBAC privileges to them. The Administrator role is pre-configured in Cisco Vision Dynamic Signage Director and cannot be deleted. However, you can change the password. You also can have more than one user assigned with Administrator privileges.

The Cisco Vision Dynamic Signage Director administrator is the person who is responsible for deploying the Cisco Vision solution throughout the venue.

The primary administrator has sufficient permissions to do the following functions:

- Installing, upgrading, backing up, and restoring Cisco Vision Dynamic Signage Director servers.
- Associating objects (including Venue Operators and Venue Administrators) to venues.

Information About User Management

Note: Users assigned to the Administrator role have *global* access to all venues in a multi-venue environment. Venue Administrators only have access to those venues for which they are authorized by a primary Cisco Vision Dynamic Signage Director administrator.

- Creating additional users and assigning roles.
- Adding devices to Cisco Vision Director.
- Staging content.
- Configuring the channel lineup (Content Managers can also configure this area).
- Configuring local control areas such as luxury suites, back offices, and bars.
- Configuring Point of Sale (POS).
- Generating Proof of Play (PoP).
- Configuring the Dynamic Menu Board application.
- Configuring the TV Off custom application.
- Configuring Device Management, including rebooting DMPs and controlling TVs.

RBAC Roles Overview

[Table 1 on page 73](#) provides an overview of the roles that can be assigned by the Administrator in Cisco Vision Dynamic Signage Director. For a complete mapping of permissions by role, see [Table 2 on page 75](#).

Table 1 Cisco Vision Dynamic Signage Director Roles

Role	Overview
Concessionaire	<p>Concessionaires have access only to the Dynamic Menu Board application, which allows modification of certain text-based and graphics items, and the background graphic on menus.</p> <ul style="list-style-type: none"> ■ 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 System Configuration > User Administration or the System Configuration, and they can only see the DMB themes that they create.
Content Manager	<p>Content Managers are responsible for uploading content and ads provided by the creative services team.</p> <ul style="list-style-type: none"> ■ They create 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 Vision Dynamic Signage Director to configure event states/scripts, zones, groups, screen templates, playlists, and tickers. ■ Content managers also can assign gadgets for custom menus and create playlists for those menus.
Event Operator	<p>Event Operators run the Cisco Vision Director event scripts during an event. The event operator role has permissions to start and stop scripts and modify their states.</p> <ul style="list-style-type: none"> ■ They can 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 (legacy version). ■ Additionally, the event operator keeps track of which break states have played and is responsible for performing the pre-game walk-through.
Facility Operator	<p>Facility Operators have access only to the TV Off application.</p> <ul style="list-style-type: none"> ■ The facility operator must access this application directly using the <code>http://ipaddress:9090/web/sv/home</code>, where <i>ipaddress</i> is the IP Address of the Cisco Vision Dynamic Signage Director server.
Help Desk	<p>Help Desk users have read-only permissions to view and monitor information on the System Configuration and to use Device Management. This role does not have permissions in the System Configuration > User Administration, except to change their own password.</p>

Table 1 Cisco Vision Dynamic Signage Director Roles (continued)

Role	Overview
Support	<p>Support users are responsible for first-level technical support.</p> <ul style="list-style-type: none"> ■ They have limited access to the System Configuration to monitor DMP status, troubleshoot, and manage the DMPs on the Cisco Vision network. They also have access to Device Management. ■ The support role does not have permissions in the System Configuration > User Administration, except to change their own password.
Venue Administrator	<p>Venue Administrators have limited permissions at the venues authorized by the central Administrator for that user, for the following areas of Cisco Vision Dynamic Signage Director:</p> <p>Note: New System Configuration and Device Management functionality is added for the Venue Administrator.</p> <ul style="list-style-type: none"> ■ Script Management ■ System Configuration: <ul style="list-style-type: none"> – The Venue Administrator can issue all DMP and TV commands. – Read-only access with limited command support. ■ Device Management: <ul style="list-style-type: none"> – The Venue Administrator can run the Reboot Device command from Device Management to restart DMPs. – Read-only access. ■ System Configuration > Devices (Display Specifications only); Read-only access to Groups & Zones, Channels, Luxury Suites.
Venue Operator	<p>Venue Operators have script control only, and only for venues authorized by the central Administrator for that user.</p> <ul style="list-style-type: none"> ■ In the System Configuration, venue operators can view and monitor information on the System Configuration with read-only access to the venues for which permissions are granted. ■ They also have access to Device Management. <p>Note: Venue Operators and Venue Administrators are the only roles that have venue-specific permissions. For more information, see the Configuring Cisco Vision Dynamic Signage Director for Multiple Venue Support, page 47</p>

Access Summary by Role

[Table 2 on page 75](#) provides a summary of the areas of access in the Cisco Vision Dynamic Signage Director software by each user role.

Note: “Yes” indicates that the user role has access to the corresponding functional area, and “–” means that the role does not have authorization there.

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Table 2 Role Access Summary by Functional Area of Cisco Vision Dynamic Signage Director

Functional Area	Admin	Concessionaire	Content Manager	Event Operator	Facility Operator	Help Desk	Support	Venue Admin	Venue Operator
Device Management	Yes	–	–	–	–	Read only	Read only	Yes	Read only
Configuration									
Channel Definitions	Yes	–	Yes	–	–	–	–	Read only	–
Channel Guide									
Data Integration	Yes	–	Yes	–	–	–	–	–	–
Devices	Yes	–	–	–	–	–	–	Limited¹	–
Groups & Zones	Yes	–	Yes	Yes	–	–	–	Read only	–
Menus	Yes	–	Yes	–	–	–	–	–	–
My Profile	–	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Proof of Play	Yes	–	–	–	–	–	–	–	–
Stores	Yes	–	–	–	–	–	–	–	–
Luxury Suites	Yes	–					Limited²	Read only	–
System Configuration	Yes	–	–	–	–	Limited ⁵	Yes	Limited ⁷	Limited ⁸
Triggers	Yes	–	–	–	–	–	–	–	–
User Admin	Yes	–	–	–	–	–	–	–	–
Venues	Yes	–	–	–	–	–	–	–	–
Script Management									
Content	Yes	–	Yes	–	–	–	–	Limited³	–
Control	Yes	–	–	Yes	–	–	–	Limited⁴	Limited⁵
Staging	Yes	–	–	Yes	–	–	–	Yes	–
Scheduling	Yes	–	Yes	–	–	–	–	Yes	–
Templates	Yes	–	Yes	–	–	–	–	–	–
Widgets	Yes	–	Yes	–	–	–	–	–	–
Dynamic Menu Boards	Yes	Yes	Yes	–	–	–	–	–	–
System Status	Yes	–	–	–	–	Limited ⁵	Yes⁶	Limited ⁷	Limited ⁸
Scheduler Application	Yes	–	–	Yes	–	–	–	–	–
Software Manager	Yes	–	–	–	–	–	–	–	–

Table 2 Role Access Summary by Functional Area of Cisco Vision Dynamic Signage Director (continued)

Functional Area	Admin	Concessionaire	Content Manager	Event Operator	Facility Operator	Help Desk	Support	Venue Admin	Venue Operator
System State Reports	Yes	–	–	–	–	–	–	–	–
TV Off Application	Yes	–	–	Yes	Yes	–	–	–	–

1. Venue Administrators can only edit the Display Specifications panel.
2. Support users can set up TV control PINs and channel guides for suites.
3. Venue Administrators can delete content associated (tagged) to the venues for which that venue admin is authorized. External content, channels, and Dynamic Menu Board (DMB) content items are global to all venues. Therefore, these global content items also can be deleted by the venue admin.
4. Venue Administrators and Venue Operators have script control only, and only for venues authorized by the Administrator for that user.
5. Help Desk users can view and monitor information on the System Status with read-only access. They also can run Get Status, Ping, Display IP, and Ping Test commands for DMPs in the System Status.
6. Support users can run Get Status, Ping, Display IP, Ping Test, TV On/Off, Set Display Input, Set Display Banner, Set Closed Captions, Set Video Channel, Cabling Test using TDR, and Show TDR Test Results commands.
7. Venue Administrators can view and monitor information on the System Status with read-only access to the venues for which permissions are granted. They also can run Get Status, Ping, Display IP, and Ping Test commands in the System Status for the DMPs in the venues at which that Venue Administrator is authorized.
8. Venue Operators can view and monitor information on the System Status with read-only access to the venues for which permissions are granted. They also can run Get Status, Ping, Display IP, and Query Syslog commands in the System Status for the DMPs in the venues at which that Venue Operator is authorized.