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### **Cisco StadiumVision Viewing Device Details Status**

Release 2.3

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This guide describes the Management Dashboard Device Details panel and how you can use it to view detailed status about StadiumVision DMPs and TVs.

#### **Document Audience**

The intended audience is StadiumVision system administrators and Cisco Technical Field Engineers who are responsible for designing and deploying StadiumVision. It is expected that readers of this document are familiar with basic IP networking technology, have a general understanding of the sports and entertainment business, and understand the objectives and operations of live events.

#### **Document History**

#### Table 1. Revision History

Date	Revision	Author	Comments
5/5/2011	0	Trish McBride	First edition for Release 2.3

This guide describes the Management Dashboard Device Details panel and how you can use it to view detailed status about StadiumVision DMPs and TVs.

### **Device Details Panel**

The Device Details panel below the Device List in the Management Dashboard displays extensive details about the status of a selected device. The information is categorized by each functional area of device status and accessible through a tabbed structure. The Details tabs change based on which Dashboard drawer is open. For example, when the Event Viewer Dashboard Drawer is selected the displayed tabs include "Event Details" and "System Console" The Device Details tabs change based on which Dashboard Drawer is open.

The example shown in Figure 1 shows the information displayed on the **Status** tab for the selected Lab-rack1-TV2 device. The **Status** tab displays only when a device is selected within the Dashboard or Configuration drawers.

evice List							C	Select filter criteria		
🖃 💷 😽	Location		IP Address	MAC Address	Model	Firmware	Checked At			
🔽 😵 Off	Lab-rack1-T	V1	10.194.174.72	00:0f:44:01:5e:a2	DMP-4310	SE 2.2.1	03/28/11 06:30:00 AM			
🔽 🗹 On	Lab-rack1-T	V2	10,194,174,69	00:0f:44:01:62:1f	DMP-4310	SE 2.2.1	03/28/11 06:30:00 AM	_		
🔽 😵 Off	Lab-rack1-T	V3	10.194.174.70	00:0f:44:01:64:06	DMP-4310	SE 2.2.1	03/28/11 06:30:00 AM			
🔽 🔕 Off	Lab-rack1-T	V4	10.194.174.68	00:0f:44:01:a9:18	DMP-4310	SE 2.2.1	03/28/11 06:30:00 AM	Select a Device		
🗙 🔽 😵 Off	Lab-rack1-T	V5	10,194,174,74	00:0f:44:01:64:cc	DMP-4310	SE 2.2.1	03/28/11 06:30:03 AM			
× 🛛	suite_hf212		172.21.2.3		DMP-4310		03/28/11 06:30:00 AM			
😵	တ္တဲ့ Settings	📷 Display Actio	ns 🧕 🧕 Admin	istration 📃 👧 Rea	ltime >_	Console 😽	system 📝 Compli	ance		
Status De		DMP Status			4	<b>▶                                    </b>	TV Status			
Utilizat		► Health	Alerts: 🛕 1				HDMI / DVI Auto Detec	tior Enabled		
Event		► Flash					HDMI Auto Detection S	tatu Succeeded		
Uptim MIB Varia		► Flash Staging					RS-232 Service	On		
PID #dh	ables	► Content Staging		/iew Devic	o Dota	ile 🚬	RS-232 Tx Data	6B612030312046460D		
		▶ Reboot		New Devic	e Dela		RS-232 Tx Count	0		
		► Failover					RS-232 R× Data	61203031204f4b303178		
		Monitoring					RS-232 Rx Count	0		
		▶ Packet Count					RS-232 R× Overflow	No overflow detected		
							TV Power	On		
							TV Input	na		
							Video URL	udp://239.204.0.105:4000		
		Time Interval	😭 CPU (%	) 📲 SWF Memo	ry (MB)	🛅 Disk (K	B)	E System Memory (KB)		
		Last 1 minute	100:0	40:0		0:0		0:0		
								0:0		

Figure 1. Viewing Device Details

## **Device Configuration Details**

The following tabs display in the Device Details panel for the Device Configuration Drawer:

Tab	Description
Status	Provides a top-level view of the DMP status and TV status.
Settings	Displays basic information about the DMP as well as information about the TV attributes, DMP network settings, video settings, storage capacity, and firmware.
Display Actions	Displays information about the SWF Failover and Serial Interface.
Administration	Displays the password for the DMP Web account, FTP account, and SSH account. It also indicates whether Cisco TAC Troubleshooting Access is enabled.
Realtime	Not Implemented
Console	Displays status and related messages sent by the SV Director server for the operation being performed on the selected DMP. It provides details on the success and failure of an operation with timestamp logging of the operation.
System	Displays non device-specific status and related messages sent by SV Director.
Compliance	Displays the differences between the global MIB settings and the MIB settings used by the selected DMP.

Table 1. Device Configuration Drawer Tabs

## **Viewing DMP and TV Status**

The **Status** tab in the Device Details panel provides a top-level view of the DMP status and TV status. Expand the tree for each category to display more detailed status about a selected device. You can mouse over the icons for each alert to display tool tips with suggestions for next steps to take to investigate and resolve the issue. The number next to Alerts indicates the total number of alerts for that category.

Table 2.	Viewing DMP and TV Status
----------	---------------------------

Status Tab		Description				
Status Details	Display categorie	Display categories of status related to the overall health of the DMP and TV. See				
Utilization	Constructions Status Settings Status Status Details Utilization Events Uptime MIB Variables	CPU Usage Last 1 Min: 18 Last 5 Min: 0 Last 10 Min: -1	ministration Memory Total RAM (KB): 228512 Free RAM (KB): 60464	sole 🔆 System 🖉 Compliance		

Status Tab				Descrip	otion			
Events	Q_ Status	စ်၌ Settings	Display Actions		Administration	<u> R</u> ealtime	>_ Console	1
	Status	Details	! Receiv	ed Time	Sub Type			-
	Utili	zation		1 03:46:00	PM GENERAL			
	Ev	ents			PM GENERAL			
	Up	time			PM GENERAL			
	MIB V	ariables			PM GENERAL			
Uptime	Q <sub>z</sub> Status	စ်၌ Settings	📷 Display	Actions	👤 Administrati			
	Status Details		Up Time: 0	days 15:7:	39			
	Utilization		Flash App Up	time: 0 d	ays 12:47:12			
	Events		Flash Ready:	true				
	Up	Uptime						
	MIBV	ariables	i					
MIB Variables	Ϋ Status 🎡	Settings 🛛 📷 Displa	y Actions 🛛 👤 Adm	inistration	Realtime 📃 🛌 Console	e 🔆 System 🖉	Compliance	
	Status Deta	ils Name		Values 412	of 412			
	Utilization	monitor.s	vfmem_avg_wrn_th	35				
	Events Uptime		mntr.failed.poll					
	MIB Variable	es ciscocraft.		1.0				
		monitor.ir	_agg_timeout					
		http_pum	p.low_mark_counter					
		cifs.passw	ord	*****				
		sigma.hdi	mistv	[1] HDMI_103 [2] HDMI_103 [3] HDMI_103 [4] HDMI_103 [5] HDMI_720	80p29 80p23 8059			

### **Status Details Drawer**

The items in the Status Details drawer represent the DMP and TV status that the the Dashboard is monitoring. Expand a category to view more detailed status and current alerts for the selected category. The items under the TV Status column are the items that the Dashboard is inspecting for the overall TV status.

Figure 2. DMP and TV Status

Status Details	DMP Status		4	I 🕪 🛞	TV Statu	IS		
Utilization	▶ Health	Alerts: 🛕 1			HDMI /	DVI Auto Detecti	ior Enabled	
Events	▶ Flash					uto Detection Sta	at Succeeded	
Uptime	► Flash Staging							
MIB Variables					RS-232	Service	On	
	Content Staging				RS-232	T× Data	6B612030312046460D	
	▶ Reboot				RS-232	Tx Count	0	
	Failover				RS-232	R× Data	61203031204f4b303178	
	Monitoring				RS-232	Rx Count	0	
	▶ Packet Count					R× Overflow	No overflow detected	
					TV Powe	2r	On	
					TV Inpu	t	na	
	Time Interval	😭 CPU (%)	SWF Memory (MB)	🛅 Disk (K	B)		📱 System Memory (KB)	
	Last 1 minute	100:0	40:0	0:0			0:0	
	Last 5 minutes	100:0	40:0	0:0			0:0	

#### **Overall DMP Status**

For each status category, the critical, minor and major alert status is displayed as a summary. The alert count is a roll-up display for any sub category that may be in an alert state.

Figure 3. Viewing Overall DMP Status in the Device Details Window



Category	Description
Health	Overall health of DMP.
Flash	Status related to the Adobe Flash Player application. This is also refered to as the SV Director Flash template application.
Flash Staging	Tracks status of the Flash staging operations. If not successful, it will generate an alert.
Content Staging	Tracks status of the Content staging operations.
Reboot	Tracks status of the reboot operations. For normal (user initiated) reboot, the Dashboard will display the reboot status, the name of the user that invoked the reboot and the time the reboot was performed. A reboot failure will result in a major alert.
Failover	Tracks whether the DMP has gone into the failover state. The Dashboard will display an alert for the Failover category if the DMP is in failover state. Failover cannot be detected for a DMP 4305G.
Monitoring	Tracks the polling status operations. Two monitoring settings can be specified for a device. 1) Threshold alerts generated by a device for CPU, Memory, an disk usage. 2) Periodic health polling performed by the Dashboard.
Packet Count	Tracks the number of unicast and multicast messages reported by the Flash application.

#### **Overall TV Status**

Figure 4. Viewing Overall TV Status in the Device Details Window

TV Status		8
HDMI / DVI Auto Detectio	r Enabled	
HDMI Auto Detection Stat	u Succeeded	
RS-232 Service	On	
RS-232 T× Data	6B612030312046460D	
RS-232 Tx Count	0	
RS-232 R× Data	61203031204f4b303178	
RS-232 R× Count	0	
RS-232 R× Overflow	No overflow detected	
TV Power	On	
TV Input	na	
Video URL	udp://239.204.0.105:4000	

Category	Description
HDMI/DVI Auto Detection	Whether HDMI/DVI Auto Detection enabled/disabled.
HDMI Auto Detection Status	HDMI Auto Detection status succeeded/failed.
RS-232 Service	Whether the RS-232 services is enabled or disabled.
RS-232 Tx Data	Specifies the most recent data sent to the TV over the RS-232 cable.
RS-232 Tx Count	Count of bytes sent over the RS-232 cable for the most recent transmission.
RS-232 RX Data	Most recent data received from the TV.
RS-232 RX Count	Count of bytes received over the RS-232 cable from the TV
RS-232 Rx Overflow	Indicates if the device encountered a buffer overflow condition when reading data from the RS-232 cable.

Category	Description
TV Power	One of 'On', 'Off' or 'n.a'. 'n.a' value means that SV Director cannot determine the current TV power state. TV Power cannot be accurately determined for TVs that do not support query responses over RS-232.
TV Input	Current input the TV is tuned to.
Video URL	Current Video URL being played on the TV.

#### **DMP Health Status Details**

Select **Health** in the Status Details drawer to view a rollup of the overall DMP status. In the example shown Figure 5, the roll-up status indicates that there is 1 minor alert for the device health (a device is non compliant).

The hammer icon appears in situations where the Dashboard has determined corrective action for the current alert condition. You can click on the hammer icon to instruct the Dashboard to take the recommended corrective action. For example, if you click on the hammer icon next to the non compliant device alert in Figure 5, the Dashboard will execute the **Global MIB** command on the device.

Press the refresh button after the command completes to refresh the compliance status. The refresh button is on the top right corner of the DMP and TV status panels.

The Left and Right arrow icons switch between the list and tree view of the overall DMP status.

Expand the device status category to find out which monitored property is in an alert state.

Figure 5. Viewing DMP Health Status Details

OMP Status		4		- 😵		
▼ Health	Alerts: 🛕 1			-		
Overall	🗹 Normal					
DMP State	Production					
SD Card	Normal					
Factory Default	No					
Connectivity	Connected					
Compliance	🛕 Non Compliant 🛛 🔨					

ltem	Description				
Overall	Overall health of the DMP.				
DMP State	While a DMP is being provisioned, it transitions through three states:				
	Not Ready -> Ready -> Production				
	Not Ready: The DMP is registered in SV Director but has not been provisioned.				
	<b>Ready:</b> The DMP is provisioned in SV Director but has not been assigned to a Location. Note that all scripting is done on Locations and not on DMPs.				
	In Production: The DMP is registered, provisioned and assigned to a Location in SV Director.				
SD Card	The status of the SD card.				
Factory Default	Whether the DMP is in the factory default state.				
Connectivity	Whether the DMP is connected to the switch.				
Compliance	Whether the DMP complies with the Global MIB				

For details on configuring DMP Health Poller Settings, see the *Management Dashboard Command Reference Guide* (Director Configuration Drawer Commands).

### Receiving the StadiumVision Director Health Report via Email Notification

By default, StadiumVision Director generates a health report at 8:00 AM every day. You can configure Registry settings to have this report emailed to you.

The following DMP status is included in the Health Report:

- Total number of DMPs
- Total number in Normal State
- Total number in Critical State
- Total number in Unknown State
- Total number rebooted
- Total number non-compliant
- Total number in not-ready state
- Total number not reachable
- Total number with SD card problems
- Total number with Flash Application problems

A high-level status of the DMPs displays in the body of the email. A more detailed status is sent as an email attachment.

Health Reports can be generated on-demand or on a schedule.

- To generate a health report on-demand, run the HPMReportTask on the **Tools** > **Advanced** > **Run a Task** screen.
- To generate a health report on a schedule, edit the HPMReport task on the **Tools > Advanced > Scheduled Task** screen.

You can configure email report settings by editing the email settings page in the Director Configuration Drawer or by editing the registry. Table 3 lists Email Configuration Properties and the corresponding registry keys.

To configure settings in the Director Configuration drawer:

- 1. Open the Director Configuration drawer.
- 2. Select System Configuration > Notification Settings > Email settings.

Figure 6. Configuring Email Notification Through the Director Configuration Screen

hulte Cisco StadiumVision Management Dashboard							
Dashboard     SV Director Configuration							
Device Configuration	Configuration Property	Value					
Event Viewer	Enable Email notification ?	yes 🔻					
	SMTP Host	yes					
Director Configuration	Recipient list (comma separated)	no					
🔻 🚞 System Configuration (7)	From address to use	SV-email-notifier					
SV Director Settings	Default subject text	DMP status notification					
▶ 🚞 Global DMP Settings (3)	Email id prefix:						
Auto Registration Settings							
▶ 🚞 Management Dashboard (6)							
Event Viewer							
🔻 🗁 Notification Settings (1)							
Email Settings							
▶ 🔁 Logging level (8)							

#### 3. Edit the following settings:

Table 3.	Configuring Registry Settings for Email Notification
----------	--

<b>Configuration Property</b>	Value	Registry Setting
Enable Email notification?	Used to enable / disable StadiumVision Director from sending emails. Values: Yes/No. Yes means emails will be sent to the recipients.	hpm.email.sendEmail
SMTP Host	The ip address / DNS name of the SMTP email server. This is site specific and must be configured by the customer or Cisco staff that is installing / configuring StadiumVision at the customer site.	hpm.email.SMTPHost
Recipient list	Comma separated list of email recipients who will receive the report.	hpm.email.Recipients
From address to use	The email sender name (default is SV-email-notifier)	hpm.email.from
Default Subject Text	Default subject field. Usually, StadiumVision Director will replace the default subject field with a content- specific subject.	hpm.email.subject
Email ID Prefix	The email subject will be prefixed with this id. This makes it easier to handle reports / emails from multiple sites. This is primarily for Cisco support engineers who may receive email alerts from multiple customers.	hpm.email.id

Here is an example of the detailed report that is generated by StadiumVision Director and sent as an email attachment:

StadiumVision Health Report generated at: 2010-02-18 04:37:37 PM

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Total number of DMPs: 15 Total number in Normal State: 5 Total number in Critical State: 10 Total number in Unknown State: 0 Total number rebooted: 0 Total number non-compliant: 5 Total number in not-ready state: 0 Total number not reachable: 10 Total number with SD card problems: 10 Total number with Flash Application problems: 10

Devices in critical state, count = 10 10.24.162.12 Unknown 64.102.87.133 10.24.162.12 2010-02-18 03:48:11 PM 64.102.87.133 Unknown 64.102.87.133 64.102.87.133 2010-02-18 03:48:11 PM 64.101.138.105 Unknown 64.101.138.105 64.101.138.105 2010-02-18 03:48:11 PM Unknown 64.102.87.159 2010-02-18 03:48:11 PM bryan dmp bryan dmp henry dmp Unknown 171.69.66.150 henry dmp 2010-02-18 03:48:11 PM mark dmp mark DMP Unknown 64.102.87.190 2010-02-18 03:48:11 PM Dave DMP Unknown 64.102.87.202 dave dmp 2010-02-18 03:48:11 PM prad pc 2010-02-18 03:48:11 PM prad pc Unknown 10.65.76.122 prad cuae 2010-02-18 03:48:11 PM prad cuae Unknown 10.88.131.47 my-4310-left Unknown 171.68.113.206 2010-02-18 03:48:11 PM Devices not Ready, count = 0 \_\_\_\_\_ Devices not reachable, count = 10 -----10.24.162.12 Unknown 64.102.87.133 10.24.162.12 2010-02-18 03:48:11 PM 64.102.87.133 Unknown 64.102.87.133 64.102.87.133 2010-02-18 03:48:11 PM 64.101.138.105 Unknown 64.101.138.105 64.101.138.105 2010-02-18 03:48:11 PM bryan dmp Unknown 64.102.87.159 bryan dmp 2010-02-18 03:48:11 PM henry dmp Unknown 171.69.66.150 henry dmp 2010-02-18 03:48:11 PM mark DMP Unknown 64.102.87.190 mark dmp 2010-02-18 03:48:11 PM dave dmp Dave DMP Unknown 64.102.87.202 2010-02-18 03:48:11 PM prad pc Unknown 10.65.76.122 prad pc 2010-02-18 03:48:11 PM Unknown 10.88.131.47 prad cuae 2010-02-18 03:48:11 PM prad cuae Unknown 171.68.113.206 2010-02-18 03:48:11 PM my-4310-left Devices that have rebooted, count = 0Non compliant devices, count = 5 -----64.101.138.104 64.101.138.102 rcdn 1 DMP-4305G 2010-02-18 03:48:11 PM rcdn 2 DMP-4305G 2010-02-18 03:48:11 PM Wei DMP DMP-4305G 64.102.87.201 vivian's dmp 2010-02-18 03:53:19 PM my-4310-right DMP-4310 171.68.113.210 This is my 4310 on right side 2010-02-18 03:51:49 PM DMP-4305G 2010-02-18 03:54:08 PM my-4305 171.68.113.217

Devices with SD	card failures, count = 10		
	Unknown 64.102.87.133 Unknown 64.102.87.133 Unknown 64.101.138.105 Unknown 64.102.87.159 Unknown 64.102.87.159 Unknown 64.102.87.190 Unknown 64.102.87.202 10.65.76.122 prad pc Unknown 10.88.131.47 Unknown 171.68.113.206	10.24.162.12 64.102.87.133 64.101.138.105 bryan dmp henry dmp mark dmp dave dmp 2010-02-18 03:48: prad cuae 2010-02	
Devices with Flas	sh App failures, count = 10		
	Unknown 64.102.87.133 Unknown 64.102.87.133 Unknown 64.101.138.105 Unknown 64.102.87.159 Unknown 64.102.87.159 Unknown 64.102.87.190 Unknown 64.102.87.202 10.65.76.122 prad pc Unknown 10.88.131.47 Unknown 171.68.113.206	10.24.162.12 64.102.87.133 64.101.138.105 bryan dmp henry dmp mark dmp dave dmp 2010-02-18 03:48: prad cuae 2010-02	2010-02-18 03:48:11 PM 11 PM
Devices in unkno	wn state, count = 0		

#### Flash Status Details

Select **Flash** in the Status Details drawer to view the status of the Adobe Flash Player.

Figure 7. Viewing Flash Status Details

DMP Status		4	Þ	-	ltem	Description
🔻 Flash				÷.	Status	Whether the Flash is up or down.
Status	Normal			- 11	Version	SV Director software version.
Version	2.3.0			- 10	VEISION	
Config Ver	Tue Mar 22 07:30:23 PDT 2011			- 11	Config. Ver	The DMP configuration that the Flash application
Reload	Successful Reload			- 14		retrieved from SV Director.
Time	Tue Mar 22 07:30:24 PDT 2011				Reload	Whether a Flash reload was successful.
Initiated by	SYSTEM		_		Time	Time Flash was reloaded.

Initiated	Who initiated the Flash reload. A value of 'System' means that the reload was not user initiated. For example, a script start will also cause the Flash application to reload. In this case the Initiated property will contain the value 'System'.
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#### **Flash Staging Status**

Select **Flash Staging** in the Status Details drawer to view the status of Flash staging operations. If Flash staging is not successful, the Dashboard will generate an alert and display it here.

Figure 8. Viewing Flash Staging Status

DMP Status		4	Þ 😵		ltem	Description
▼ Flash Staging	Alerts: 👽 1 👽 Staging failed		-		Status	Whether the Flash staging was successful. A major alert
Status	Wed Mar 23 09:41:35 PDT 2011					indicates that the latest Flash Reload operation failed.
				<u> </u>	Time	Time the Flash staging operation was completed.

#### **Content Staging Status**

Select **Content Staging** in the Status Details drawer to view the status of content staging operations. If content was not successfully staged, the Dashboard will generate an alert and display it here.

Figure 9. Viewing Content Staging Status

DMP Status		4	-	ltem	Description
<ul> <li>Content Staging</li> <li>Status</li> </ul>	Successful Staging			Status	Whether the content staging was successful.
Time	Wed Mar 23 09:41:19 PDT 2011		•	Time	Time the content staging operation completed.

#### **Reboot Status**

Select **Reboot** in the Status Details drawer to view the status of reboot operations. If the DMP successfully or unexpectedly reboots, the Dashboard will generate an alert and display it here. If a user-initiated or system-initiated DMP reboot fails, the Dashboard will display a minor alert. If the Dashboard detects an unexpected reboot, it displays a major alert. Unexpected reboots are reboots caused by entities external to SV Director.

Figure 10.	Viewing Reboot Status
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DMP Status	4 ■ ♦	ltem	Description
▼ Reboot	·	Status	Whether the last reboot was successful.
Status Time	=	Time	Time of last reboot.
Initiated by	•	Initiated By	Who initiated the last reboot.

#### **Failover Status**

Select **Failover** in the Status Details drawer to view whether the DMP has gone into the failover state. If a failover occurs, the Flash application sends an alert based on the location that loaded the template and displays it here. A minor alert is displayed for devices that are in the failover state, and the 'Failovers' counter in the DMP Summary is updated. The failover status cannot be detected for a DMP 4305G; therefore, this field does not display for the DMP 4305G.



DMP Status		4	-	ltem	Description
▼ Failover			<u> </u>	Status	Whether the DMP has gone into failover state.
Status	No failover detected				

#### **Monitoring Status**

Select Monitoring in the Status Details drawer to view the polling status operations.

Figure 12.	Viewing Polling Status Operations
ga.e	rie mig e unig e une eperanene

DMP Status		<b>∢</b> ■⊳ <del>{</del>	ltem	Description
▼ Monitoring	Alerts: 🕎 1		Monitoring	Whether monitoring on the DMP server is enabled or
Monitoring	Disabled		5	disabled. If enabled, the DMP will generate alerts if
Dashboard Polling				the CPU, memory, and disk utilization thresholds are crossed.
Last poll	Wed Mar 23 12:40:30 PDT 2011		Dashboard	Displays an alert if the DMP reboots unexpectedly.
Status	👽 Failed		Polling	Unexpected reboots are detected by the Dashboard
Ne×t poll	Wed Mar 23 12:50:40 PDT 2011		, surry	when the DMP contacts SV Director after a reboot. If
Count	1423			no reboot operation is pending – either user or
Failures	128			system initiated – the Dashboard will generate an unexpected reboot alert.
			Last poll	The time of the most recent poll.
			Next poll	The time for the next poll.
			Count	Total number of times the device has been polled.
			Failures	Failures – Number of failures encountered during Dashboard polling.

#### **Packet Count Status**

Select **Packet Count** in the Device Details drawer to view the number of unicast and multicast messages reported by the Flash application.

Figure 13.	Viewing Packet Count Status
riguie 10.	viewing r acker obuin otatus

DMP Status		4	-	ltem	Description
▼ Packet Count Unicast	27		÷.	Unicast	Number of unicast messages reported by the Flash
Multicast	2			Multicast	application. Number of multicast messages reported by the Flash
				Mullicast	application.

## **Viewing DMP and TV Settings**

The **Settings** tab, shown in Figure 14 and defined in Table 4, displays basic information about the DMP as well as information about the TV attributes, DMP network settings, video settings, storage capacity, and firmware. There are nine drawers on the **Settings** tab which display status useful for determining where a DMP is connected. Select the **Network** drawer to display the General Settings and Medianet Services panels. The Medianet Services panel shows you the switch IP address, switch name, and switch port the DMP is connected to. This information is especially helpful if you need to escalate an issue to the StadiumVision support team.





Table 4.	Settings Tab Drawers
----------	----------------------

Setting	Description
Basic Settings	Displays basic information about the DMP including the name, description, model name, product ID and the startup URL. This information is assigned to the DMP when you add it to the StadiumVision Director database.
Display Attributes	Displays settings for the TV display, volume, and display X/Y dimensions.
HDMI Display	Displays details about the TV such as the manufacturer, model number, version, connector type and supported standards.
Network	Displays network settings for the DMP.
Video	Not implemented.
NTP	Displays settings for the NTP service (if enabled). (DMP 4310 only)
Storage	Displays details about the total disk space and the free disk space.
Syslog	Indicates whether the Syslog is enabled and if so, the Syslog collector IP address.
Firmware	Displays information about the firmware and kernel running on the DMP.

### Verifying the DMP Display Attributes

To verify that the DMP and the TV agree on the most optimal display settings:

1. On the Dashboard, select the Device Configuration drawer.

- 2. Select the DMP and execute the **Get Status** command (**Monitoring > Get Status**).
- 3. Under the **Settings** tab in the Device Details panel, select the **HDMI Display** drawer and check the settings for the HDMI information the DMP received from the TV.
- 4. Verify that the native resolution of the TV display matches the HDMI format indicated as "native."

~										
Dashboard		Select Devices								Q* Select filter criteria
Device Configuration		<b>v Q</b>						IP Address	MAC Address	Checked At
V Conitoring		Zones & Groups		~	_	_	f Lab-rack1-TV1	10.194.174.72		12 03/28/11 07:48:56 AM
Get Status		Luxury Suites Auto Registered(5)		~		_	Lab-rack1-TV2	10.194.174.69		IF 03/28/11 07:48:56 AM
Ping		All Devices(6)		~		_	f Lab-rack1-TV3	10.194.174.70		06 03/28/11 07:48:57 AM
Enable Monitoring				~	_	_	f Lab-rack1-TV4	10.194.174.68		L8 03/28/11 07:48:57 AM
Change Monitoring Thresholds				~		_	f Lab-rack1-TV5	10.194.174.74	00:0f:44:01:64:0	c 03/28/11 07:48:57 AM
Disable Monitoring				~	×¢	8	suite_hf212	172.21.2.3		03/28/11 07:48:57 AM
▶ 🛄 Global										
DMP Commands										
DMP Install										
TV Commands										
→ Auto Registration										
Svitch Commands										
Command: GetStatus										
Retrieve detailed status information for selected device(	5)									
	-1		<u>&amp;</u>							Displayed: 6 Selected: 6 🖌 🗶
		Ϋ Status 🛛 👰 Settings	📷 Display Actions 🧕	Admi	inistra	ration	Realtime	Console 😽 Sy	stem 📝 Comp	liance
		Basic	Manufacturer: Lucky Gold	Star (L	G) Ele	ectronics	2009			
		Display Attributes	Description: 1360×768 Pr	ogressi	ive 60	0.01Hz	◀ :	TV's high	et sunno	rted resolution
		HDMI Display	Version: EDID v1.3, CEA	3				i v s night	or auppo	
		Network	Connector Type: HDMI							
	_	Video		HDMI	1080	0059				
<b>*</b>		NTP	[2	HDMI	1080	0p29				
🕜 Event Viewer		Storage Syslog		HDMI HDMI						apported HDMI formats wit
						p59 Nati				e native format indicated

Figure 15. Verifying the DMP Display Attributes

### **Viewing CDP Information**

Cisco Discovery Protocol (CDP) information pertaining to the connected switch port can be viewed in on the **Settings** tab under Network. Refer to Figure 16.

Figure 16. Viewing CDP Information

Ϋ Status 🖓 Settings	📷 Display Actions 🛛 👤 Administration 🛛 🛃 Realtime 🛛 🚬 Console 🍵	🔆 System 🛛 🖉 Compliance
Basic	General	Medianet Services
Display Attributes	DMP MAC Address: 00:0f:44:01:62:1f	Medianet Enabled: yes
HDMI Display	Dynamic IP Addressing (DHCP): Enabled	Timeout (ms): 30000
Network	IP Address: 10.194.174.69	Switch IP Address: 10.194.174.78
Video	Subnet Mask: 255.255.255.192	Switch Name: Switch
NTP		
Storage	Default Gateway: 10.194.174.65	Switch Port: FastEthernet0/2
Syslog	Primary DNS Server:	VLAN: 705
Firmware		Location ID: LAB_TV2
		Location URL: 22=LAB_TV2

## **Display Actions Tab**

The **Display Actions** tab in the Device Details panel displays information about the SWF Failover and Serial Interface.



Status Status	🗽 Display Actions 👤 Administration 🔯 Realtime 🖂 Console 🐇 System 🧭 Compliance	ltem	Description
Serial Interface	Fallover URL: http://10.194.175.124.8080/Stadium/Vision/fallover/SvFlashTamplata/SvTemplata.svf Fallover/Timeout (sc): 3000 Maximum Humber of Fallover Attempts: 3 Recover URL: Mici//monftorodvub JSvFlashTemplata/SvTemplata.svf	SWF Failover	Indicates whether the DMP has had a failover and displays failover settings.
	Recovery Timeout (sec): 3000	Serial Interface	Displays the characteristics of the serial interface being used by the DMP.

## **Administration Tab**

The Administration Tab in the Device Details panel displays the account passwords listed in Figure 18:

Figure 18. Viewing Account Passwords

ဦ္ Status 🏾 🏠 Se	ttings 🛛 📷 Display Actions 🧕 2 Administration	ltem	Description
Accounts	WEB Account: admin	Web Account	Password for the DMP Web account.
	FTP Account: ftp	FTP Account	Password for the FTP account.
	SSH Account: root Cisco TAC Troubleshooting Access: Disabled	SSH Account	Password for the SSH account.
		Cisco TAC Troubleshooting Access	Whether Cisco TAC Troubleshooting access is enabled.

## **Console Tab**

The **Console tab**, shown in Figure 19, displays status and related messages sent by the SV Director server for the operation being performed on the selected DMP. It provides details on the success and failure of an operation with timestamp logging of the operation. Click the **Info** drop down box to set the log level (Debug, Info, Warm, Error). Click the Clear Console icon to clear the console messages for the selected DMP or services. Click the Clear Console All icon to clear the console messages for all devices.

Figure 19. Console Tab

Clear Console Clear Console All

	-				
	Time Stamp	Messages	Count 100 L	og Level: 🕕 Info	💌 🔤 👿
D	03/25/11 09:58:00	Polling Device Lab-rack1-TV2 of type : DMP_4310		🔽 Debug	
D	03/25/11 09:58:00	response: Message sent		🕕 Info	_
1	03/25/11 09:58:03	SVD Response: discoraft.app_data T_STRING type=ping&uid=SVD1301072280309&HDMI=1&TV=On&Input=na&Mcast 05:4000&flashAppVersion=2.3.0&Config=Fri Mar 25 07:30:28 PDT 2011&FLV=0&Tx=6&6120303120464			Jdp://239.204.0.1
D	03/25/11 09:58:03	Successfully retrieved Flash Status			
2	03/25/11 09:58:03	End command: Ping			

### **System Tab**

The System tab in the Device Details panel displays the system log. System messages are system wide and not specific to a particular device or switch. Here are some examples:

- During auto registration, several messages are displayed in the system console since the device may not be present in the SV Director database.
- During import from a csv file, the status and other messages are displayed in the system log.

This screen also has Clear Console and Clear Console All icons that perform the same functions as described for the **Console** tab.

Figure 20. Viewing the System Log



## **Compliance Tab**

The **Compliance** tab, shown in Figure 21, displays the differences between the Global MIB settings and the MIB settings used by the selected DMP. Not to be confused with SNMP MIB settings, Global MIB settings specify the recommended device configuration for proper operation in the SV Director system. They function much more like registry settings on a PC.

For details on how to apply the global MIB settings, see the *Deploying Global DMP Settings Guide*.

Figure 21. Compliance Tab

	Name	Required Value	Value on Device
$\checkmark$	ciscocraft.start_fl_url	file:///tmp/ftproot/usb_1/SvFlashTemplate/SvTemplate.swf	file:///tmp/ftproot/usb_1/SvFlashTemplate/SvTemplate.swf
	init.syslog	on	on
$\checkmark$	ciscocraft.fl_recovery_url	file:///tmp/ftproot/usb_1/SvFlashTemplate/SvTemplate.swf	file:///tmp/ftproot/usb_1/SvFlashTemplate/SvTemplate.swf
$\checkmark$	init.STARTUP_URL	file:///tmp/ftproot/usb_1/SvFlashTemplate/SvTemplate.swf	file:///tmp/ftproot/usb_1/SvFlashTemplate/SvTemplate.swf
$\checkmark$	ciscocraft.fl_fullscreen	true	true
V	ciscocraft.fl_failrec_status	true	true
$\checkmark$	ciscocraft.start_fl_fullscreen	true	true
$\checkmark$	ciscocraft.start_fl_alpha	0	0
	init.syslog_collector	10.194.175.124	10.194.175.124
$\checkmark$	ciscocraft.fl_failover_url	http://10.194.175.124:8080/StadiumVision/failover/SvFlashT	http://10.194.175.124:8080/StadiumVision/failover/SvFlashTemplate/SvTemplate.swf
$\checkmark$	ciscocraft.start_fl_input	true	true
$\checkmark$	ciscocraft.fl_colorkey_enable	0	0
$\checkmark$	init.startService_msi	yes	yes
X	sigma.ptsRange	3300220	1000060
	sigma.ptsTimer	60	60
$\checkmark$	init.build	Thu Nov 4 00:27:27 PDT 2010 [b1932]	Thu Nov 4 00:27:27 PDT 2010 [b1932]
1	init.version	SE 2.2.1	SE 2.2.1
$\checkmark$	init.BCNT	40	40
	init.DHCP	on	on

### **Reporting Non-Conforming DMPs**

When you send the **Get Status** command, SV Director compares the MIB settings on each DMP against the values in the Global DMP Settings. If it finds any mismatches, it reports the specific differences between the values on the DMP and those in the Global DMP Settings on the Device Details **Compliance** tab.

### **Taking Corrective Action for Non-Conforming DMPs**

If there are DMP settings that have been flagged as non-conforming with the global configuration, send the **Global DMP Settings** command to the non-conforming DMP(s) to update the DMP MIB values to those defined in the Dashboard registry. See the *Deploying Global DMP Settings Guide* for details.

There are a few exceptions. Differences in the firmware version and the kernel version can only be resolved by doing a firmware or kernel upgrade. See the *Video Delivery Endpoints Design and Implementation Guide* for instructions on how to upgrade the firmware and DMP 4305G kernel.