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How to Configure Automatic Proof of Play Export

Dynamic Signage Director

Software Release: 5.0.0-123 and Later Releases

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Contents

- Introduction , page 1
- Requirements, page 2
- Required Configuration, page 2
- Optional Configuration, page 4
- Workflow Summary, page 4

Introduction

The Automatic Proof of Play (PoP) Export feature is useful when you want to use another tool or application to consume the PoP CSV data from Cisco Vision Dynamic Signage Director.

When PoP is enabled for a script, the Summary and Detailed PoP data (in CSV format) is automatically exported to a designated server using Secure FTP (SFTP) or Secure HTTP (HTTPS).

After you have enabled the automatic export feature globally in the system, and also PoP for a script, you can verify the status of the export function under the new "Transmitted" column on the Control Panel Proof of Play screen. A green icon means the data has been transmitted; red means it failed.

Retry Behavior for Failed Transmission

After 30 seconds from script completion (the default Delay Auto Upload period), the system automatically attempts to export the PoP data to the designated server. If the transmission fails, the following behavior occurs:

- The system initially retries up to three times (or, the number of times specified in the Pop Upload Retry Count property).
- If the PoP export fails after the initial retry attempts, a system task (PofpUploadRetryTask) runs in the background to detect any failed transmissions.
- The system task continues to attempt the PoP data export up to a maximum of 50 retries (or, the number of times specified in the Max Pop Upload Retry Count property.)

NOTE: When Automatic PoP Export is enabled, the standard PoP reporting features remain available in Cisco Vision Dynamic Signage Director Release 5.0. You do not need to do manual report generation if Automatic PoP Export is enabled.

Requirements

Requirements

- A server is available on the network over SFTP or HTTPS as the destination server for the PoP data.
- A user account is set up and the path on the destination server is available.

Required Configuration

- 1. Log in to Cisco Dynamic Signage Director as an administrator.
- 2. From the Management Dashboard, go to:

Dynamic Signage Director Configuration > System Configuration > Pofp Export Settings

3. Set the Enable Auto Upload property to true and configure the other required Common properties:

Figure 1 Management Dashboard PoP Export Required Settings

🛞 Monitor and Status		namic Signage Director Configuration	Dynamic Signage Director Configuration					
DMP and TV Controls		Configuration Property	Value					
		Enable Auto Upload	1 true					
		Delay Auto Upload(in sec)	30					
Dynamic Signage Director Configuration		Pop Upload Retry Count	3					
Bystem Configuration (13)		Max Pop Upload Retry Count	50					
Dynamic Signage Director Settings		Enable Compressed Report	false					
Global DMP Settings (5)		File Transfer Protocol	2 sftp					
Auto Registration Settings		Destination User Name	Зрор					
▶ 🛅 Management Dashboard (10)		Destination Password	4					
User Preferences			-					
Event Viewer								
Diffication Settings (1)								
▶ 📴 Logging level (8)								
▶ 📴 System Tasks (1)								
▶ 📴 Data Integration (2)								
Dynamic Signage Director Remote								
Multiple Venue Configuration								
🔻 🗁 Pofp Export Settings (3)								
Common Settings								
HTTPS Settings								
SFTP Settings								

L	'	Enable Auto Opload - Type value of true .	2	File Transfer Protocol–Type value of Srtp of https .
	3	Destination User Name–Type the user name for the account on the destination server where the data will be exported.	4	Destination Password–Type the password that corresponds to the account user name that you specified on the destination server where the data will be exported.

Required Configuration

4. Then, based on the File Transfer Protocol property under Common Settings, go to either HTTPS Settings or SFTP Settings to complete the configuration.

Figure 2 HTTPS Properties

Configuration Property	Value
Secure Web Address	https://10.194.170.131:7443/secure_http/uploadRep
Accept Self Signed Certificate	2 true

1	Secure Web Address-Type the HTTPS URL including IP	2	Accept Self Signed Certificate-Type
	address and path on the destination server.		value of true (default) or false .

Figure 3 SFTP Properties

Dynamic	Signage	Director	Config	uration



1	File Server IP Address or FQDN–Type the IP address or fully-qualified domain name of the destination server where the data will be exported.	2	File Server Port–Type value of 22 (standard SFTP port), or other port required by your server.
3	File Server Relative Folder Path–Specify the relative folder path for the server home directory. A value of "/" will store the data in the server home directory path. A value of "/mypopdata" will put the data in a sub-folder of the home directory with the name "mypopdata."		

5. Save the configuration.

Optional Configuration

Optional Configuration

This section describes the optional settings that you can configure for automatic PoP export.

Figure 4 Management Dashboard PoP Export Optional Settings

🛐 Monitor and Status	Dynamic Signage Director Configuration				
BMP and TV Controls	Configuration Property	Value			
2 Event Viewer	Enable Auto Upload	true			
	Delay Auto Upload(in sec)	30			
Dynamic Signage Director Configuration	Pop Upload Retry Count	2 3			
🗁 System Configuration (13)	Max Pop Upload Retry Count	3 50			
Dynamic Signage Director Settings	Enable Compressed Report	4 false			
▶ 🦳 Global DMP Settings (5)	File Transfer Protocol	sftp			
Auto Registration Settings	Destination User Name	рор			
▶ 🚞 Management Dashboard (10)	Destination Password	*****			
User Preferences					
Event Viewer					
▶ 🚞 Notification Settings (1)					
▶ 🦳 Logging level (8)					
▶ 🦳 System Tasks (1)					
▶ 🚞 Data Integration (2)					
Dynamic Signage Director Remote					
Multiple Venue Configuration					
▼ 🚞 Pofp Export Settings (3)					
Common Settings					
HTTPS Settings					
SFTP Settings					

1	Delay Auto Upload (in sec)–Number of seconds that the system waits (after the script ends) before exporting the data to the destination server. The default is 30 seconds.	2	Pop Upload Retry Count–Number of attempts that the system initially makes to upload the PoP data to the destination server after a script completes. The default is 3 retries.
3	Max Pop Upload Retry Count–Maximum number of attempts that the background <i>PofpUploadRetryTask</i> system task retries upload of PoP data that has failed to transmit to the destination server. The default is 50 retries.	4	Enable Compressed Report–A value of true enables compression of the PoP report data for transmission. The default is false.

Workflow Summary

This section describes the configuration and operation workflows for automatic PoP export.

Management Dashboard Workflow

Supported User Roles

Administrator

The Automatic PoP Export feature is enabled and configured globally for all scripts in the system from the Management Dashboard.

Monitor and Status	Dynamic Signage Director Configuration	•	
B DMP and TV Controls	Configuration Property	Value	
Sler	Enable Auto Upload	false 🔻	
	Delay Auto Upload(in sec)	true	
Dynamic Signage Director Configuration	Pop Upload Retry Count	step 3	
System Configuration (13)	Max Pop Upload Retry Count	30	
Dynamic Signage Director Settings	Enable Compressed Report	false	
▶ 🔁 Global DMP Settings (5)	File Transfer Protocol	sftp	
Auto Registration Settings	Destination User Name		
▶ 🦳 Management Dashboard (10)	Destination Password		
User Preferences			
D Event Viewer			
Notification Settings (1)			
▶ 🗀 Logging level (8)			
▶ 🔁 System Tasks (1)			
▶ 🔁 Data Integration (2)			
Dynamic Signage Director Remote STEP Z			
Multiple Venue Configuration			
V Pofp Export Settings (3)			
Common Settings			Step 5
HTTPS Settings	sp 4		

- 1. From the Management Dashboard, go to Dynamic Signage Director Configuration.
- 2. Click Pofp Export Settings > Common Settings.
- 3. Set the required and optional (as needed) properties.

See Required Configuration, page 2and Optional Configuration, page 4.

- 4. Based on the configured File Transfer Protocol type for the destination server, set the HTTPS or SFTP settings.
- 5. Save the configuration.

Control Panel - Control Workflow

Supported User Roles

- Administrator
- Event Operator
- Venue Administrator
- Venue Operator

Proof of Play is enabled for a script in the Control Panel. The Automatic PoP Export feature must be enabled globally, and Proof of Play also must be enabled for a script, to generate and export PoP reports.

cisco Setup	ision Dynamic Signa	ige Director	- Control Panel		Step 3		Held'admin Logoet 2
Staging				Current running script(s):			System Time: 1:46:54 PM PDT
Script List	Step 1			Script Script 112 (0 instances)		> Start	Stop / Edit - Delete
*		٩	AI	Remarkal Others	Ad Has Status		
Nam	•	Status	Time		Advice states Chicegency states		
Script 111 (1)				Blank copy			
Script 112				Transition Method: manual			
Script 113			Start Script				
Script 121	Chan D		onant oonpt			_	
Soliet 123	Step 2						
Script 131			Instance Name:	Instance of Script 112			
Script 132							
Script 133			Start Time:	Now			
Script 141				C in A Minutes			
Script 142				In: Ur Mildles			
Script 143			Duration	Forever			
Undeo-rotate			Durauon.	rolevel •			
Test Script							
Test Script Fami			Staging:	Yes No			
Fami Test Script 1				0 0			
Final Test Script							
			Proof of Play:	💽 Yes 🔘 No			
				Step 4			

Step 5

Start Cancel



- 2. Select the desired script.
- 3. Click Start.
- 4. Set Proof of Play to Yes.
- 5. Click Start.

Control Panel - Setup Workflow

Supported User Roles

Administrator

Go to the Control Panel Setup screen to verify the status of PoP report export status.

Se	tup Control Content Ticke	r Schedule Widgets		
Users Script	Venu Step 1 Channels run history nerate Report X Delete & Refresh	Devices Suites Triggers	Proof of Play Templates	Stores Menus Data Integration
Status	Script Name	Transmitted		Script Run Date
	DMB_playlist		•	6/21/2016 5:52 PM
•	script71_66	Step 3	•	6/27/2016 6:40 AM
	widget_playlist	Chop C	•	6/27/2016 7:05 AM
	widget_playlist		•	6/27/2016 8:16 AM
	widget_playlist		•	6/27/2016 8:26 AM
•	script71_66		•	6/27/2016 9:03 AM
•	script71_66		•	6/27/2016 9:12 AM
	script71_66		•	6/27/2016 9:30 AM
<u> </u>	Test_gargage		•	6/27/2016 9:42 AM
	Test_gargage		•	6/27/2016 11:50 AM
•	Test_gargage		•	6/28/2016 10:46 AM
•	Test_gargage		•	6/28/2016 11:06 AM
•	Test_gargage		•	6/28/2016 11:19 AM
-				

- 1. From the Control Panel, go to **Setup**.
- 2. Click Proof of Play.
- 3. In the Transmitted column, verify the status of the PoP report export for your script.

Button Color	Description
Green	Export is successful.
Yellow	Export is in progress.
Red	Export failed.

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