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Title:	How to Make Schedule Backup History Video in ivms- 4200 V3.1	Version:	v1.0	Date:	7/18/2019
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Preparation

- 1. Suggest to start the Hybrid san service first on Hybrid san web management interface via one key configuration.
- 2. Make sure the video volumes have been merged into one.
- 3. Ensure that the entire system is consistent in time before you make recording schedule.

VISIUN	DS-A72024R n	nanagem	ent +								Norm
ance	Hybrid SAN -> Hybrid Hybrid SAN Service Stat Hybrid SAN System Login	SAN us: Working	Pause Hybrid SAN S	ervice				One-Key Configuration	Configure H	ybrid SAN Backup a	nd Restore
SAN	Record Volume	Baco	rd Volume Name	Used LUN Number	Total(MB)	licod(MB)	Eroo(MR)	Video Retention Time	Total 1 page(s	;), 1 row(s). 20 per	page, page 1 Ontions
	0	Reco	RV	1/1	3692261	212	3692049	0	Overwrite	Video Storage	û Ø₿
	LUN Information								Total 1 page(s	s), 3 row(s). 20 per	page, page 1
	LUN Name		LUN ID	Total(MB)		Block Size(Byte	2)		Usage		
	LUN_PRIVATE1		0	51,200		512		Hybri	d SAN(Private Vol	ume 1)	
	LUN_PRIVATE2		1	51,200		512		Hybri	d SAN(Private Vol	ume 2)	
	LUN_RV_1		2	3,692,544		512		Hybr	id SAN(Record Vo	lume)	



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How to Make Schedule Backup History Video in ivms-4200 V3.1

1. Add Hybrid SAN to ivms-4200

1)	Login Ivms-42	200			
0	iVMS-4200			6	lot Logged In 🗄 🔀 admin 🔻 台 🗕 🗆 🗙
-	Maintenance and Manag	ement			
	Video Application				Maintenance and Management
	-	?			🕮 Device Management
	Main View				Event Management
					Storage Schedule
	Access Control				💄 User Management
	<u></u>				System Configuration
			Time & Attendance		o System Log
	General Application				Operation Wizard
					Access Control Wizard
	E-map	Event Center			Time and Attendance Wizard
					<u>~~~</u>

2) Click Device to Add Hybrid SAN and Encoding device (NVR or DVR)



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_						
	i VMS-4200		🕜 Not Logg	ed In 🗄 🗔 admin	• 8 - □	×
	Maintenance and Management Anagement					
		Add Adding Mod	e 🖲 IP/Domain	O IP Segment		
					 Batch Import 	
	Device	Add Offline Devic	e 🗌			
		* Nam	e			
		* Addres				
		* Poi	rt 8000			
		* User Nam	e			
		* Passwor	d			
		Synchronize Tim	e 🗌			
		Import to Grou	p 🔽	e name as the group nam	me and add all the	
				nected to the device to the		
			Add and New	Add	ancel	
	u 🖄 🖓 Fan Exception Alarm				× L ×	
		۸dd				~
	Adding Mode () IP/Domain () IP Segment () Cloud P2P	Adding Mode	IP/Domain	IP Segment	Cloud P2P	
	CEHome CHiDDNS Batch Import				 Batch Impor 	t
	Add Offline Device 🗌	Add Offline Device				
	* Name hybrid san	* Name	nvr			
	* Address 10.41.8.158	* Address	10.9.97.48			
	* Port 8000	• Port	8000			
	* User Name admin	* User Name	admin			
	Password	* Descuerd				
	Synchronize Time	Synchronize Time	n			
	Import to Group 🗹	Import to Group				
	O Set the device name as the group name and add all the channels connected to the device to the group.		G Set the device		me and add all the	
	channels connected to the device to the group.		 channels conne 	cted to the device to t	he group.	
	Add and New Add Cancel					
	Add		Add and New	Add	ancel	



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iVi ≣ ≡ ™ De	MS-4200 Maintenance and Management vice Management vice Management	ent © Stream Media Server Q Online Device × ame () Connecti brid san IP/Domain	Delete 题 QR (Connection 1041.8158:8	Code & Refree Device Type S	sh ierial No. 10120808	Not Logge Total Security L S	d In ∷	n 8 2 3	×
Gr	oup Invi	r IP/Domain	10.9.96.48:8000	Encoding E	DS-9632NI-I16162015	Weak (-	= A €	

2. Configure the backup in Ivms-4200

1) Enter the Storage Schedule interface, choose the camera in left bar which you want to make schedule ,and choose the storage server and related HDD, the recording schedule should be empty template

	iVMS-4200				🛆 Not Logg	ed In 🗄 🗔 admin	• A _ D ×
88	🗐 Maintenance and	Management 💿					
=		Camera	Recording Schedule				🕒 Copy to
	Device Management 🔻	Search Q	Storage on Encoding				
	Event Management 🔻	🗎 hybrid san	Recording Schedule				
		🔻 🗎 nvr	Schedule Template	All-day Template	- Edit	Advanced	
ē	Storage Schedule	IP Camera1_nvr	Capture Schedule				
2	User Management	IP Camera2_nvr					
		IP Camera3_nvr	Storage on Storage S				
रुद्ध	System Configuration	IP Camera4_nvr	Storage Server	🥅 hybrid san			
Q	System Log	IP Camera5_nvr	Related HDD No				
		IP Camera6_nvr	Recording Schedule				
			Schedule Template	Template 01	- Edit	Advanced	
			Storage on PC				
			Storage Content	Picture Storage			
				Additional Information Storage			
_				Save			
	i ∰ E⊗ ⊲× Fan Exception	on Alarm					× □ ×



Title:	How to Make 9 4200 V3.1	Schedul	e Back	up His	story V	/ideo	in ivı	ms-	Ver	sion:			v1.	0	Ľ	Date:	7/18/2019
Product:	Cameras, NVR	, DVR,	Hybri	d SAN											P	Page:	5 of 12
1	emplates Managen	nent														×	
) All-day Template	Conti	nuous	🖊 Eve	nt Recor	ding	<u>/</u> Co	ommand) 💼							
C) Weekday Templ																
C) Event Template	Mon	0	2	4	6	8	10	12	14	16	18	20	22	24		
	Template 01		-			-	-										
	Template 02	Wed	0	2	4	6	8	10	12	14	16	18	20	22	24		
	Template 03	Thu	0	2	4	6	8	10	12	14	16	18	20	22	24		
	Template 04	Fri	0	2	4	6	8	10	12	14	16	18	20	22	24		
	Template 05	Sat	0	2	4	6	8	10	12	14	16	18	20	22	24		
	Template 06	out	0	2	4	6	8	10	12	14	16	18	20	22	24		
	Template 07	Sun															
	Template 08																
													0	к	Ca	ncel	

Note:

The schedule should be empty template here, the purpose of this step is to send the encoder information to Hybrid san to prepare for the next configuration.



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Camera	Recording Schedule					🖺 Copy to
Search Q	Storage on Encoding					
🛅 hybrid san	Recording Schedule					
▼ 🗎 nvr	Schedule Template	All-day Template		Edit	Advanced	
IP Camera1_nvr	Capture Schedule					
IP Camera2_nvr		_				
IP Camera3_nvr	Storage on Storage S					
IP Camera4_nvr	Storage Server	•••				
IP Camera5_nvr	Related HDD No	• • •				
IP Camera6_nvr	Recording Schedule	Processing				
	Schedule Template	Template 01		Edit	Advanced	
	Storage on PC					
	Storage Content	Picture Storage				
		Additional Information Stor	rage			
		Save				

After you set the empty schedule for one channel, copy to other channels you want to backup.



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Then logint the Hybrid san system to check the status of encoding device you configure in ivms-4200

HIKVISION DS-A72024R management

Intelligent, individual, economic and reliable data storage.	
Log in to the System: Hybrid SAN	
User Name: nvr_admin	
Password:	
Mode: Advanced Mode	
Enter HIKVISION DS-A72024R System Version:Hybrid_SAN V2.3.6-2 Device Serial No.:20120808	
HIKVISION Copyright@ © 2018	

The status of encoding device should be "Free" now

HIK VISIO	W DS-A72024	R Hybrid SAN								2019-06-18 Tu	esday 10: 54: 00	
Information	Information											
* Information	E Canadia a Davidas Te	6ti								T-1-1 4		
Encoding Device	Display All Filte	r								rotar i page(:	Show Enabled	Encoding Device
Preview and Record		Encoding Device			URL						Chiefe Endold	cheoding bettee
Strategy and Alarm	Camera Name	Name	Туре	IP Address	Port No.	Channel	No.	Use Na	me Prope	rty Record Volume	StreamType	Status
Download and play		1	Hikvision	10.9.96.48	8000	33		admin	ETP	12	Main Stream	Free
User Management		2	Hikvision	10.9.96.48	8000	34		admin	ETP	12	Main Stream	Free
System Config		2	Hikvision	10.9.96.48	8000	35		admin	ETP	12	Main Stream	Free
Log Management		4	Hikvision	10.9.96.48	8000	36		admin	ETP	12	Main Stream	Free
		5	Hikvision	10.9.96.48	8000	37		admin	ETP	<u>n</u>	Main Stream	Free
		6	Hikvision	10.9.96.48	8000	38		admin	ETP	12	Main Stream	Free
	Record Strategy Lis	st								Total 0 page(i), 0 row(s). 20 pe	r page, page 1
	Refresh											
	Strategy No.	Encoding Device	Strategy Start Time	End Time	Duration Vid	eo Dispatch	Video Uplo	oad Pre	-Record Alarm	Arming Lock Du	ration Status	StreamType
Logout	Record Volume Inf	ormation								Total 1 page(i), 1 row(s). 20 pe	r page, page 1
	Refresh											
	Record Volum	ne Name	Number of Hyb	rid SAN volume u	ised	Total(MB)	Use	ed(MB)	Free(MB)	Video Reten	tion Time	Overwrite
	rv			1/1		3,692,261	Sear	rching	Searching	0		Overwrite

2) Back to Device interface, choose the Hybrid san you added, click remote configuration.

	IVMS-4200								C Not Log	gged In 🗄 🗠	admin ▼ 💾 Ll >
	📰 Maintenance	and	Manag	gement 💿							
=			Dev	r ice Stream I							
	Device Management		+ 4	dd Q Onlin،	e Device $~ imes~$	Delete 器 QR (Code 📿 Ref	resh			
			- 1	Name 🏮	Connecti	Connection	Device Type	Serial No.	Security L	Status	Operation
	Device		-	hybrid san	IP/Domain	10.41.8.158:8	Storage S	20120808	Strong	🥑 Online	ଅଢ≣ < େ ଅ
	Group			nvr	IP/Domain	10.9.96.48:8000	Encoding	DS-9632NI-I16162015	Weak	🥑 Online	RQBVC
	Event Management										
	Storage Schedule										
-											

And click the schedule in Event option, to check the recording schedule.



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Remote Configuration	×
🕨 😪 System	Configuring the Recording Schedule
🕨 🍖 Network	
🕨 🚱 Storage	Camera: IP Camerao
🝷 🚱 Event	Record
🏶 Schedule	
🏶 Video Uploading	
History Videing Schedule	Related HDD No: 1
Uploading Scle Execution	Recording Schedule: Template01 👻
	Advanced Settings
	Copy To Save

Then enter to Video Uploading interface, to set the detect window. The window will be set 2days ago as default, The setting of the detection window will determine the interval of Hybrid san backup.

Remote Configuration	
🕨 🊱 System	Video Uploading
🕨 🚱 Network	
🕨 😪 Storage	Historical Record Detection Start Time: 2 🍚 Day 0 🖨 H 0 🍚 Min
🝷 🚳 Event	Historical Record Detection End Time: 0 🚔 Day 0 🌲 H 5 🚔 Min
🏶 Schedule	Max Optioning Channel Number for On 8
🏶 Video Uploading	Save
History Videing Schedule	
Uploading Scle Execution	

Click Uploading Historical Record in Event option, you can set which certain period of video you want to backup. In this case, make a backup schedule for this camera is that from 5.55 am to 6 pm. But you also can make an all-day Template for it. So it depends on project requirements.

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Ren	note Configuration						×
) - (system	History Video Uploa	ading Sch	edule			
× «	Network	Camarai	ID Comora6				
+ @	Storage						
- 4	e Event	Enable Uploading Plan	of Historical V	ʻideo			
	Schedule	Time of Historical Vide	Template01	-			
	🏶 Video Uploading					Sava	
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* System				JUSTY	VIC	.001	p	ouu		oone	uur	~	_	-	-	-	-			
- Notwork								E	dit											
All-day Template	8																			
Weekday Template	Mon	0	2	4		6	8		10	12		14	16	18		20	22	24	Ļ	
Template01	mon			t de la comp		t								Ĩ				<u>ن</u>		
Template02	Tue	0	2	4		6	8	05:55	5-18:0	0 12		14	16	18		20	22	24	1	Ę
Template03																				
Template04	Wed	0	2	4	-	6	8		10	12	_	14	16	18		20	22	24	4	
Template05	Thu	0	2	4	-	6	8		10	12		14	16	18		20	22	24	4	
Template06																				
Template07	Fri	0	2	4	-	6	8		10	12	_	14	16	18		20	22	24	4	
Template08	Sat	0	2	4		6	8		10	12		14	16	18		20	22	24	4	
Template09																				
Custom	Sun	0	2	4		6	8		10	12	_	14	16	18		20	22	24	4	
																	Save		Cancel	
																		L		

🚳 System	History Video Uplo	bading Schedul	е		
🚳 Network					
Storage	Camera:	IP Camera6			
w Stolage					
🐼 Event	🗹 Enable Uploading Pla	n of Historical Video			
🏶 Schedule	Time of Historical Vide	Template01			
🏶 Video Uploading					Save
History Videing Schedule					Save
Uploading Scle Execution					

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Click Uploading Execution Plan Configuration, you can set when you want to start to backup video from NVR/DVR/IPC. In this case, make execution plan from 0 am to 8 am and from 6 pm from to 24 pm. You can set all -day template for it as well if necessary.

Keniote configuration				
🕨 🚳 System	Uploading Schee	dule Execution		
🕨 🚳 Network	Comoroi		רו	
🕨 🕼 Storage	Camera.			
🝷 🎡 Event	🗹 Enable Video Uplo	ading Schedule		
🏶 Schedule	Upload by Week			
🏶 Video Uploading	Video Uploading Sched	All-day Template 🔹 🔻		
History Videing Schedule				Save
Uploading Scle Execution				
Uploadi	ng Schedule Execution			





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	Remote Configuration					×
	🕨 🚳 System	Uploading Schedule	Execution			
	Network	Camera:	Camerañ 💌			
	🕨 😘 Storage					
	- 🤹 Event	🗹 Enable Video Uploading	Schedule			
	🏶 Schedule	Upload by Week				
	🏶 Video Uploading	Video Uploading Sched A	ll-day Template 🛛 🔫			
	History Videing Schedule				Save	
	Uploading Scle Execution				Save	

3. Function verification

Note:

After you set the backup for the encoding device in Ivms-4200, the Hybrid SAN will start detect first, after hybrid san finish detecting and comparing, hybrid san will return the video in dvr or nvr, and the status will be displayed as sync.(The time of detection and comparison depends on the recording status of the encoder, which means that the detection time is uncertain. If it is not returned for a long time, please contact the technical support of the headquarters.)

NUSION De A72024R Hybrid SAN De Market San Proprint De Market San Proprint										
٦Ì ا	Information									
	Encoding Device In	formation						Total 1 page(s),	, 6 row(s). 20 pe	r page, paç
vice	Display All Filter	r .							Show Enabled E	Encoding De
Alarm	Camera Name	Encoding Device Name	Туре	U P Address Port	IRL t No. Channel No.	Use Name	Property	Record Volume	StreamType	St
d play		1	Hikvision	0.9.96.48 80	.00 33	admin	ETP	DX .	Main Stream	F
ment		2	Hikvision	0.9.96.48 80	00 34	admin	ETP	12	Main Stream	F
lig		а	Hikvision	10.9.96.48 80	00 35	admin	ETP	D2	Main Stream	F
ment		4	Hikvision	0.9.96.48 80	00 36	admin	ETP	<u>11</u>	Main Stream	F
		5	Hikvision	0.9.96.48 80	00 37	admin	ETP	<u>IX</u>	Main Stream	,
		6	Hikvision	0.9.96.48 80	00 38	admin	ETP	<u>IX</u>	Main Stream	5)
4	Record Strategy Lis	ut .						Total 0 page(s),	, 0 row(s). 20 pe	r page, p
	Refresh									
	Strategy No.	Encoding Device S	trategy Start Time E	nd Time Duration	Video Dispatch Vide	o Upload Pre-Re	cord Alarm Arn	ing Lock Dura	tion Status	Stream
	Record Volume Info	ormation						Total 1 page(s),	, 1 row(s). 20 pe	r page, pa
	Retresh	Nome	Number of Unbrid		Tetal(MD)	liced(MP)	Erec(MD)	Video Detentio	n Timo	0.000
	Record Volum	ie Name	Number of Hybrid 2	ian volume useu	2 602 261	Used(MB)	2 602 202	video Retentio	an rune	Overv
	14		1/1	·	3,092,201	59	3,092,202	0		
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VISIO	N DS-A72024	IR Hybrid SAN	1 + + +4-					2019-06-18 Tu	uesday 11: 32: 0	7
visio)	DS-A72024	1R Hybrid SAN y -> Search Video	· * * *	*				2019-06-18 Tu	uesday 11: 32: 07	7 10.41
VISIO	DS-A72024 Download and pla	¥R Hybrid SAN y -> Search Video	. <u></u>					2019-06-18 то Тоtal 1 р	uesday 11: 32: 0; hage(s), 1 row(s). 2	7 7 10.41
vice Record	DS-A72024 Download and pla Search Video Search Video	¥R Hybrid SAN y -> Search Video	1 + 4 - 4 -			Download by B	atch Lock Co	2019-06-18 Tu Total 1 p nfiguration Vid	uesday 11: 32: 0; Hage(s), 1 row(s). 2 Heo Playback	0 per page
vice Record Alarm	DS-A72024 Download and pla Search Video Encoding Device Name	\$R Hybrid SAN y -> Search Video start Time	End Time	Duration	Video Type	Download by B Video Size (MB)	atch Lock Cc	2019-06-18 Tr Total 1 p Infiguration Vid Iration Quid	uesday 11: 32: 07 lage(s), 1 row(s), 2 leo Playback	0 per page Downloa

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