

# **RMF - Add a High Availability Camera**

Vega Systems Inc.

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## <u>Step 1</u>: Open the Management Client. Note: Run as administrator

		Management
	primaryrec1.vegadomn.com	Server
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and the second second	✓ Remember password	



<u>Step 2</u>: Login into the Parent Management Server as a domain user with admin privileges. (Federated Deployments) Login into Management Server as a user with admin privileges (Non-Federated Deployments) Note: Parent = Primary Server, Child = Secondary Server



# Part 1: Add Camera - Parent (Primary) Site



<u>Step 3</u>: Right-click the recording server. Select Add Hardware.

Add a camera before replicating to the child (secondary) server.



<u>Verification Step</u>: Goto Site Navigation → Servers → Recording Servers The Parent Site (Primary Recording Server) has three cameras listed. (Left image) The Child Site (Secondary Recording Server) has only two cameras listed. (Right image)



<u>Verification Step</u>: Goto Site Navigation → Devices → Cameras (Camera Group Structure) The Parent Site (Primary Recording Server) has the camera listed under Camera Group 2. The Child Site (Secondary Recording Server) does not have any cameras under Camera Group 2.

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# Part 2: Replicate newly added cameras to Child (Secondary) Site



<u>Step 4</u>: Select the RMF plugin from Site Navigation  $\rightarrow$  MIP Plugins. Expand RMF and select Redundancy Configuration



**Step 5:** Choose **Recording Server Synchronization** from the list.



**Step 6:** Click the Launch Camera Replicator button.

The RMF camera replicator helps to copy the cameras from the parent site (primary servers) to redundant recording servers.



RMF Camera Replicator X \_\_\_\_ **Connect to Site Management Server** Management Server address and credentials http://localhost/ Server: Authentication: Windows Authentication Usemame: vegadomn.com\Mllestone **Domain Admin** Password: \*\*\*\*\*\*\* User Note: If you're in an XProtect Federated Setup, please log in to the parent management server. x

<u>Step 7</u>: Login into the Parent Management Server as a domain user with admin privileges. (Federated Deployments) Login into the Management Server as a user with admin privileges. (Non-Federated Deployments)

RMF Camera Replicator		- D ;	×
Label Servers			
Select, Drag and Drop.			
Primary PRIMARYREC1 PRIMARYREC1	Unlabeled Servers PRIMARYREC1 PrimaryRec2-V6	Secondary PRIMARYREC2 PRIMARYREC2	
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<u>Step 8</u>: Labelled **Primary and secondary servers** are displayed. Click **Next** to proceed. Vega





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 Image: Servers
 Image: Servers

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Step 9: Click Next to search for the cameras on the parent (primary) site, not on the child (secondary) site.

Note: Click Skip if you don't wish to replicate the cameras from the parent (primary) site or if there are no cameras available on the parent (primary) site to replicate. (Goto <u>Step 15</u>)



Step 10: Click Next to see the cameras found on the parent (primary), not on the child (secondary) site.



<u>Step 11</u>: Cameras found on the parent (primary), not on the child (secondary), are listed under Primary servers. Drag and drop the cameras that have to be replicated from the parent server list (Primary Servers) to the child server list (Secondary Servers).



MF Camera Replicator		- 0	_
nd cameras on primary servers that are missing in secondary servers.			-
Select, Drag and Drop cameras from primary servers to secondary servers.			
Primary Servers	Secondary Servers	5	
PRIMARYREC1 PRIMARYREC1	PRIMARYREC2 PRIMARYREC2     AXIS M5013 PTZ Dome Network Camera (172.16.0.4)		
Q		Q	
		> ;	×

**Step 12:** Click **Next** after selecting the camera to be replicated.





<u>Step 13</u>: Skip this step to copy the same stream configurations as in the parent (primary). Goto <u>Step 14</u> if the stream configuration has to be modified.



<u>Step 14</u>: Uncheck the Retain Primary Stream Selections to change the stream configuration (video profile) for record and live for the camera in the child (secondary) site. Click Next to find cameras on the child (secondary) site, not on the parent (primary).



 Image: Secondary Servers
 Image: Secondary Servers

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Step 15: Click Next to find cameras on the child (secondary) recording server, not on the parent (primary) recording server. Note: Click the Skip button, If you don't wish to replicate the cameras from the child (secondary) site or if there are no cameras available on the child (secondary) site. (Goto <u>Step 17</u>) Image: RMF Camera Replicator

Check Secondary Servers

Image: All the cameras that were on the secondary servers have already been replicated on the primary servers. There is no need to copy anything over to the primary servers.

Step 16: Click Next to continue with the replication process.
Note: Cameras from the child (secondary) site can be replicated to the parent (primary) site, If there are any cameras found on the child (secondary) site.

 Image: RMF Camera Replicator
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 Checking Inconsistency
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<u>Step 17</u>: Click Next to find inconsistencies across parent (primary) and child (secondary) recording servers. Note: Click Skip, If you do not wish to check inconsistencies. (Goto <u>Step 19</u>) 

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<u>Step 18</u>: Click Next to continue with the replication process. Note: All the inconsistencies (If found) across parent (primary) and child (secondary) recording serverswill be listed and synchronized. 

 Image: Selection of the se

Step 19: Click Next to modify the video stream selection for the cameras on parent (primary) recording servers. Note: Click Skip to continue with the setup without modifying video stream selection on parent (primary) site cameras. (Goto <u>Step 21</u>)



<u>Step 20</u>: Modify the video stream configuration for the cameras on the parent site (primary servers), if required. Click **Next** to continue with the setup.



 Image: Selection of Secondary Servers

 Modify Stream Selections on Secondary Servers

 Image: Selection of Secondary Servers

 Image: Secondary Servers

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<u>Step 21</u>: Click Next to modify the video stream configuration for the cameras on child (secondary) recording servers. Note: Click Skip to continue with the setup without modifying video stream configuration on child (secondary) site cameras

RMF C	Camera Replicator	-		>
Modif	y Stream Selections on Secondary Servers			
	Secondary Servers			
	PRIMARYREC2 PRIMARYREC2  AXIS M3058-PLVE fixed Dome Network Camera (172.16.0.18)  AXIS P3807-PVE Network Camera (172.16.0.26)			
			Q	
?		>	×	

**Step 22**: Modify the video stream configuration for the cameras on the child site (secondary), if required. Click **Next** to continue with the setup.

Replicate/Synchronize/Modify					
					58 58
Camera AXIS M5013 PTZ Dome Network Camera (172.16.0.4)	From PRIMARYREC1 PRIMARYREC1	To PRIMARYREC2 PRIMARYREC2	Status	Replicated	
				5	

**Step 23**: Cameras selected for replication are listed. Click the **Replicate** button to start the replication.





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RMF Camera Replicator					
Replicate/Synchronize/Modify					
Camera AXIS M5013 PTZ Dome Network Camera (172.16.0.4)	From PRIMARYREC1 PRIMARYREC1	To PRIMARYREC2 PRIMARYREC2	Progress	Status Processing (Output settings)	Replicated
					✓ X

Step 24: The status of the replication is displayed.





RMF Camera Replicator -						
Replicate/Synchronize/Modify						
Camera WIS M5013 PTZ Dome Network Camera (172.16.0.4)	From PRIMARYREC1 PRIMARYREC1	To PRIMARYREC2 PRIMARYREC2	Progress	Status Added successfully	Replicated ✔	

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**Step 25:** Click the **Finish** button to complete the replication process.

#### X Vega Systems Inc., RMF RMFReplication.txt - Notepad File Edit Format View Help To update the Milestone Management client after replicating cameras, please To update the Milestone Management client after replicating perform the following steps: cameras, please perform the following steps: 1. Save the changes by clicking on 'Save' in the Milestone toolbar. 1. Save the changes by clicking on 'Save' in the Milestone toolbar. 2. In the site navigation, right-click on 'Cameras' under 'Devices' and choose 'Refresh'. 2. In the site navigation, right-click on 'Cameras' under 'Devices' and choose 'Refresh'. 3. Return to the RMF Configurator, select 'Start From Clean Slate' from the dropdown, and skip the replication step by clicking on the 'Skip' button. 3. Return to the RMF Configurator, select 'Start From Clean Slate' from the dropdown, and skip the replication step by clicking on the 'Skip' button. Ln 1, Col 1 100% Unix (LF) UTF-8 OK

**Step 26**: Follow the steps mentioned above and continue with the configuration.



Step 27: Save the settings as shown above.

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<u>Verification Step:</u> Child (Secondary) Recording Server Camera List after replication. Note: The selected camera is replicated on the child site (secondary recording server). Confidential & Proprietary, Vega Systems Inc.

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<u>Verification Step:</u> Child Site (Secondary Server) Camera Group - The camera is added under Camera Group 2 as in the parent (primary) site.



Step 28: Continue with the configuration. Click Skip.



Step 29: Login into the Parent Management Server as a domain user with admin privileges. (Federated Deployments) Login into Management Server as a user with admin privileges (Non-Federated Deployments)

#### Checking cameras in PRIMARYREC2 PRIMARYREC2, Please wait...



<u>Step 30</u>: Select the replicated camera from the redundant recorded camera list. Click Add to move the camera to Managed by RMF list and to assign an RMF license.



**Step 31:** Click **Next** after the camera is selected.



Step 32: Select the camera and click the Swap button to change the connection priority, if needed Click Next.



**Step 33**: Launch the **Role Replicator** tool to ensure that any modifications made to roles are synchronized.



**Step 34:** Configure Roles for newly added camera. **Note:** Refer to **<u>RMF - Role Based View Creation Steps</u>** to add roles.



## Roles X **Connect to Site Management Server** Management Server address and credentials http://localhost/ Server: Authentication: Windows Authentication Usemame: vegadomn.com\milestone **Domain Admin** Password: ...... User Note: If you're in an XProtect Federated Setup, please log in to the parent management server. x

**Step 35**: Login to **Role Replicator**.

Connect to the Parent Management Server as a domain user with admin privileges. (Federated Deployments) Connect to the Management Server as a user with admin privileges. (Non-Federated Deployments)



Roles X \_\_\_\_ ٢ Connect to Site Parent Server Management Server address and credentials http://localhost/ Server: Authentication: Windows Authentication vegadomn.com\Milestone Usemame: **Domain Admin** Password: ..... User Note: Please log in to the parent management server in the XProtect Federated setup. ×

**<u>Step 35</u>**: Login to **Role Replicator** using admin domain credentials.



<u>Step 36</u>: The process may take several minutes based on the number of cameras and roles. Click **Next**.



Roles		1
Roles - Add/Sync		
RMF Cameras	Status	Re
AXIS MJ044-V Network Camera (172.16.0.3) - Camera 1 AXIS MJ044-V Network Camera (172.16.0.3) - Camera 2 AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1	Re-check Re-check Re-check	
VIF IP4UIR 100 (172.16.0.12) - Camera 1	Ke-check	

## **Step 37:** All the roles from the parent (primary) site for the cameras managed by RMF are listed. Click **Sync**.

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By Roles			- E	×
Roles - Add/Sync				2,
RMF Cameras           AXIS M3044-V Network Camera (172.16.0.3) - Camera 1           AXIS M3044-V Network Camera (172.16.0.3) - Camera 2           AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1           ONVIF IP4DIR100 (172.16.0.12) - Camera 1	Progress	Status Re-check Re-check Re-check Re-check Re-check Re-check		Result
			1	×

**<u>Step 38</u>**: Re-checking or Syncing roles in progress.

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Roles			- 🗆 X
Roles - Add/Sync			<b>.</b>
RMF Cameras	Progress	Status	Result
AXIS M3044-V Network Camera (172.16.0.3) - Camera 1 AXIS M3044-V Network Camera (172.16.0.3) - Camera 2 AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1 ONVIF IP4DIR100 (172.16.0.12) - Camera 1		Re-checked successfully Re-checked successfully Re-checked successfully Re-checked successfully	2 2 2 2

Step 39: Process completed. Click Finish. **Note:** The roles are saved automatically.



Step 40: Click Finish.



**<u>Step 41:</u>** Click **Save** to save the configuration.

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# Verify streaming from the added camera (Smart Client)



<u>Step 1</u>: Open the Smart Client to verify streaming from the newly added camera. Login into the Parent Management Server using domain admin user credentials.(Federated Deployments) Login into Management Server using admin user credentials (Non-Federated Deployments)





**<u>Step 2</u>**: Switch to **Setup** mode. Click **the** "**C**" button to view the list of RMF-managed cameras.



### Step 3: Select the newly added camera from the list.



**Step 4**: Switch to **Live Mode** to view the live stream from the newly added camera.

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