

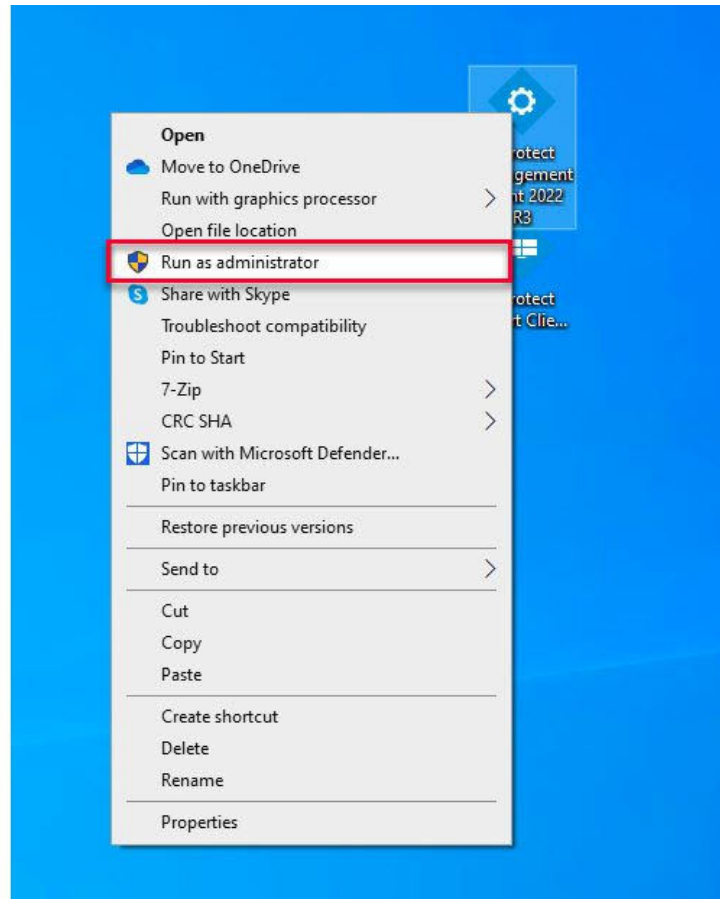


# RMF - Add a High Availability Camera

Vega Systems Inc.

03/08/2023

<https://www.vega25.com/rmf>



**Step 1:** Open the **Management Client**.

**Note:** Run as administrator

Milestone  
XProtect® Management Client 2022 R3

Computer:  
primaryrec1.vegadomn.com

Authentication:  
Windows authentication

Domain: vegadomn.com

User name:  
vegadomn.com/milestone

Password:  
••••••••

Remember password

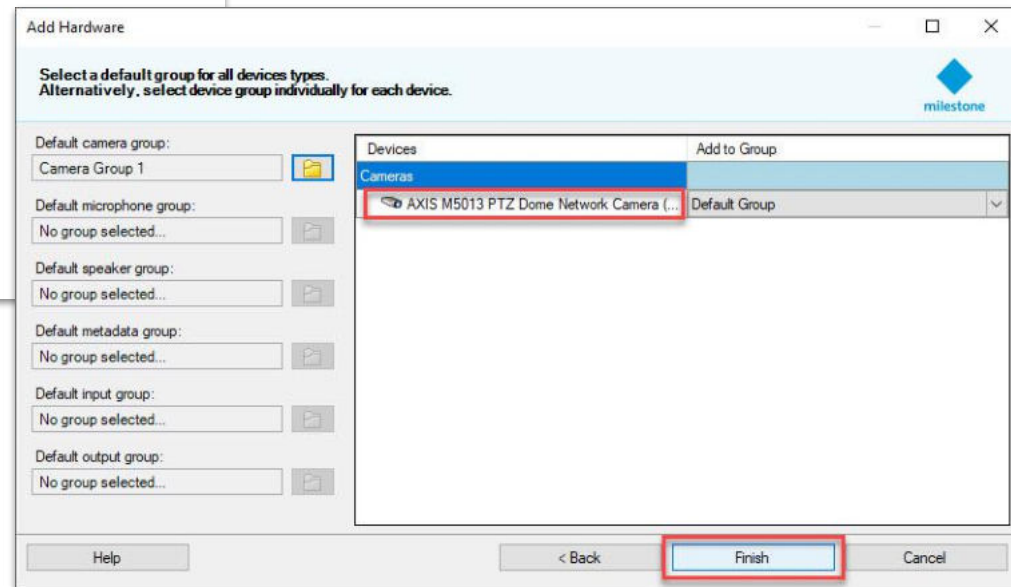
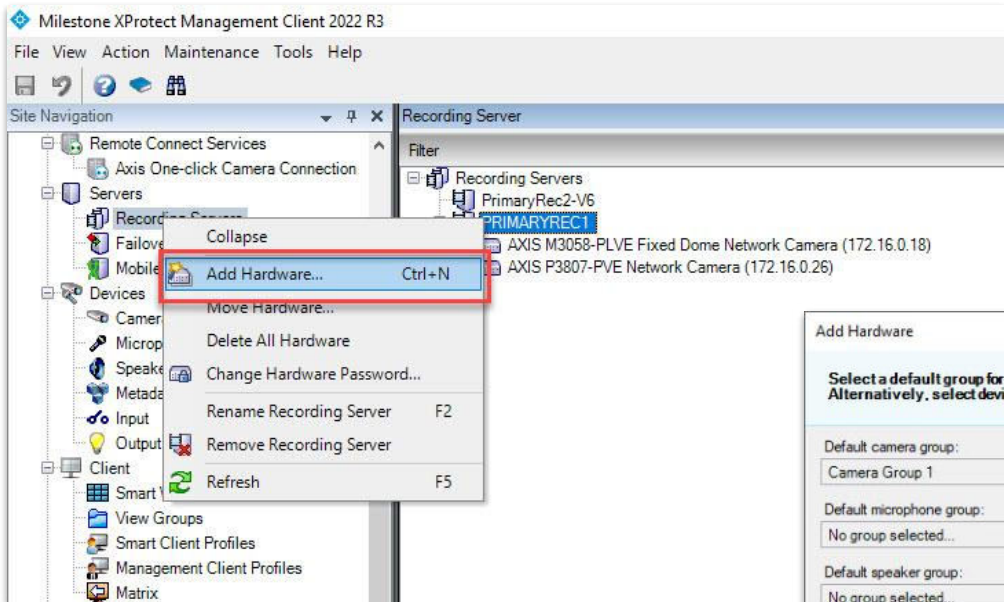
Sign in Close

**Step 2:** 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)

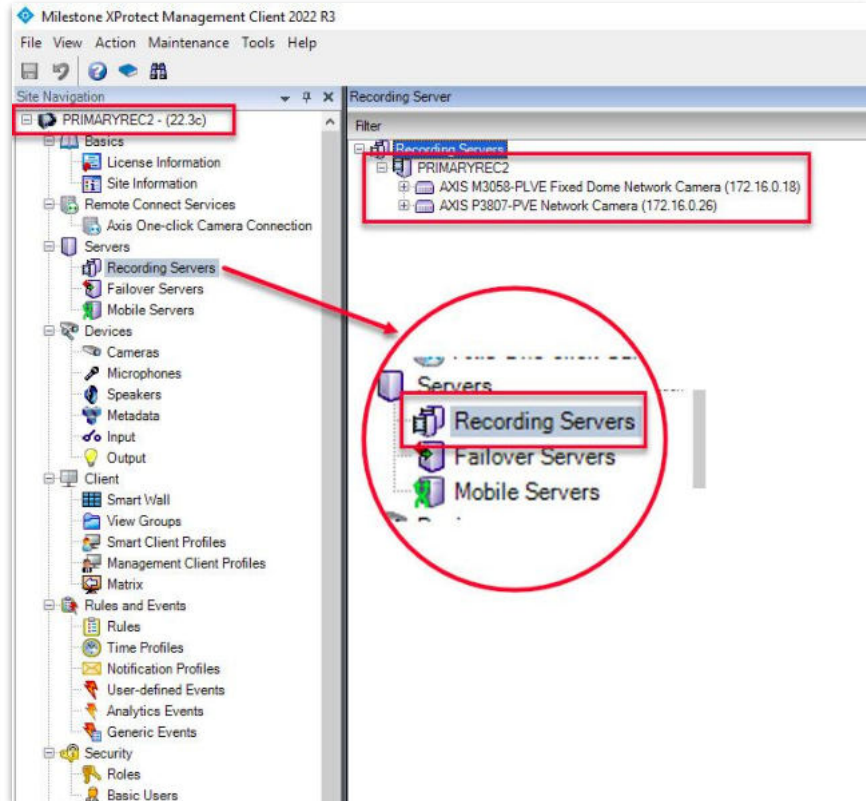
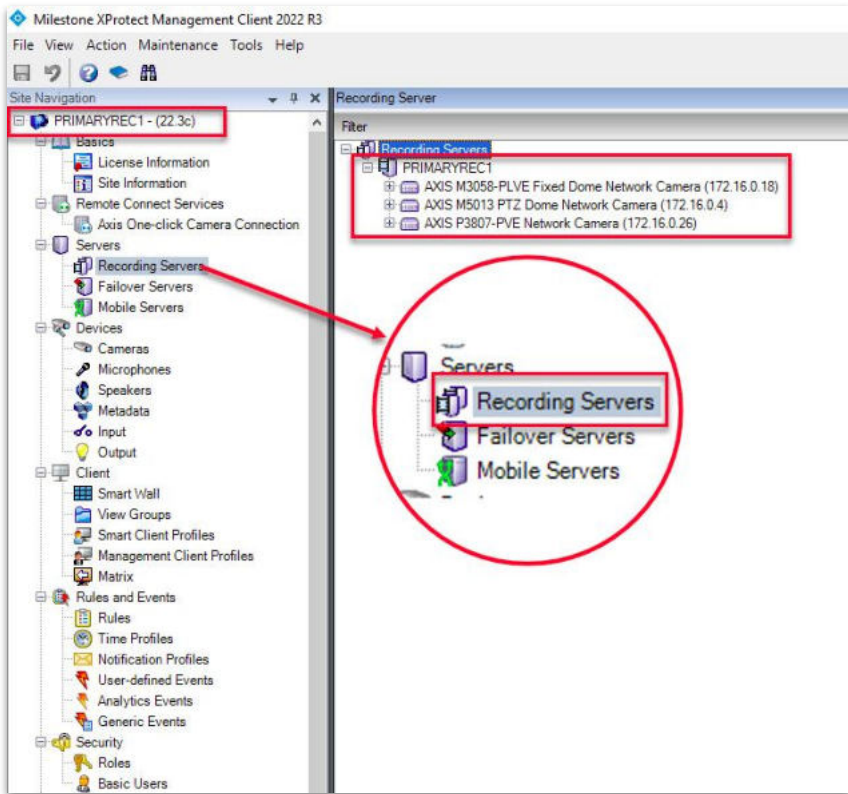
**Note: Parent = Primary Server, Child = Secondary Server**



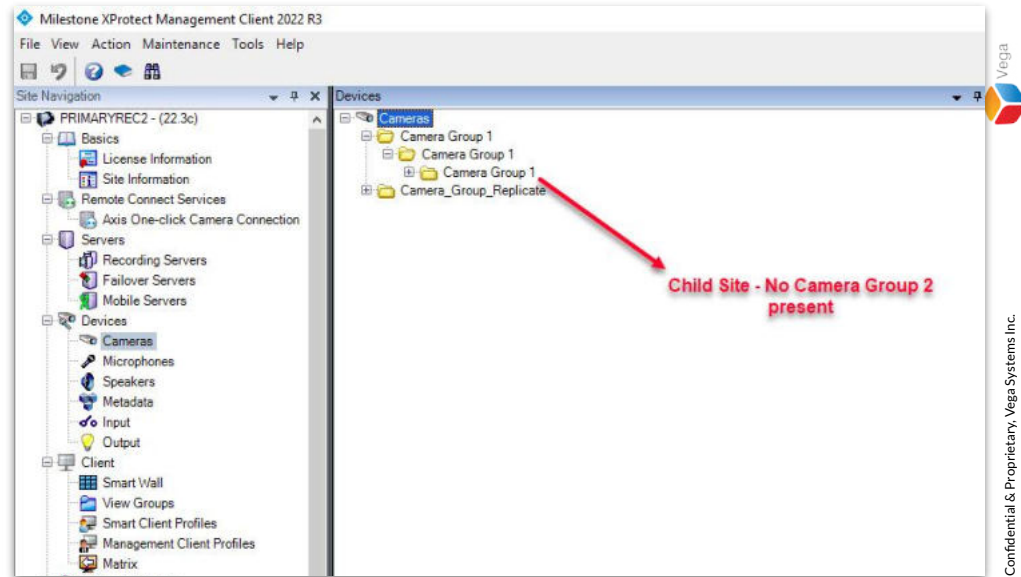
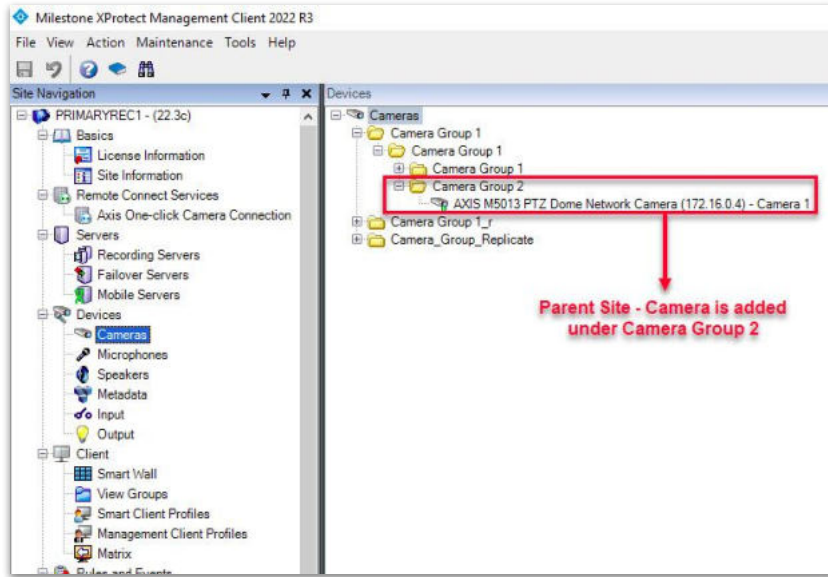
## Part 1: Add Camera - Parent (**Primary**) Site



**Step 3:** Right-click the recording server. Select **Add Hardware**.  
Add a camera before replicating to the child (secondary) server.



**Verification Step:** 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)

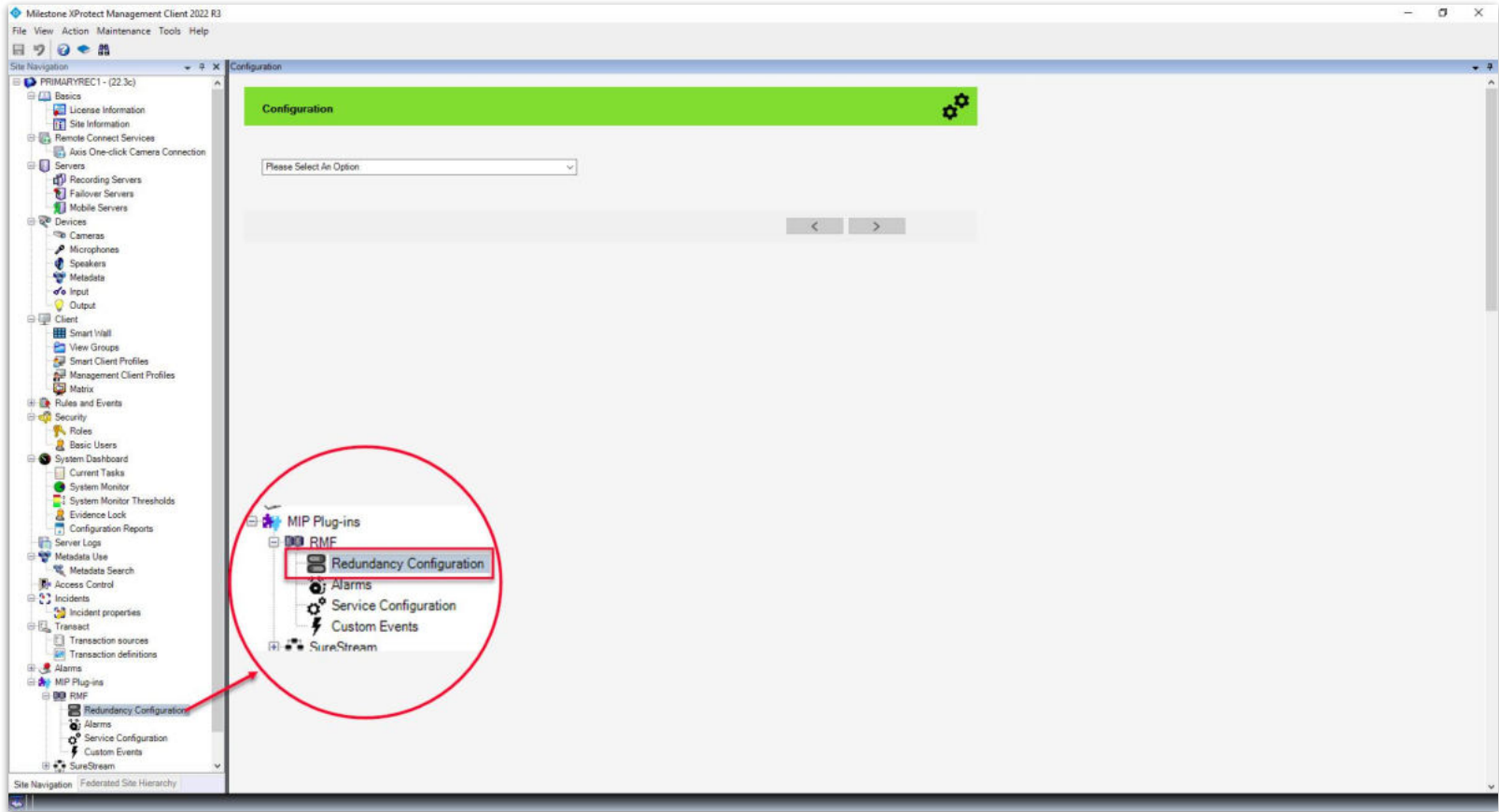


**Verification Step:** Goto Site Navigation → Devices → Cameras (**Camera Group Structure**)  
The **Parent Site (Primary Recording Server)** has the camera listed under **Camera Group 2**.  
The **Child Site (Secondary Recording Server)** does not have any cameras under **Camera Group 2**.

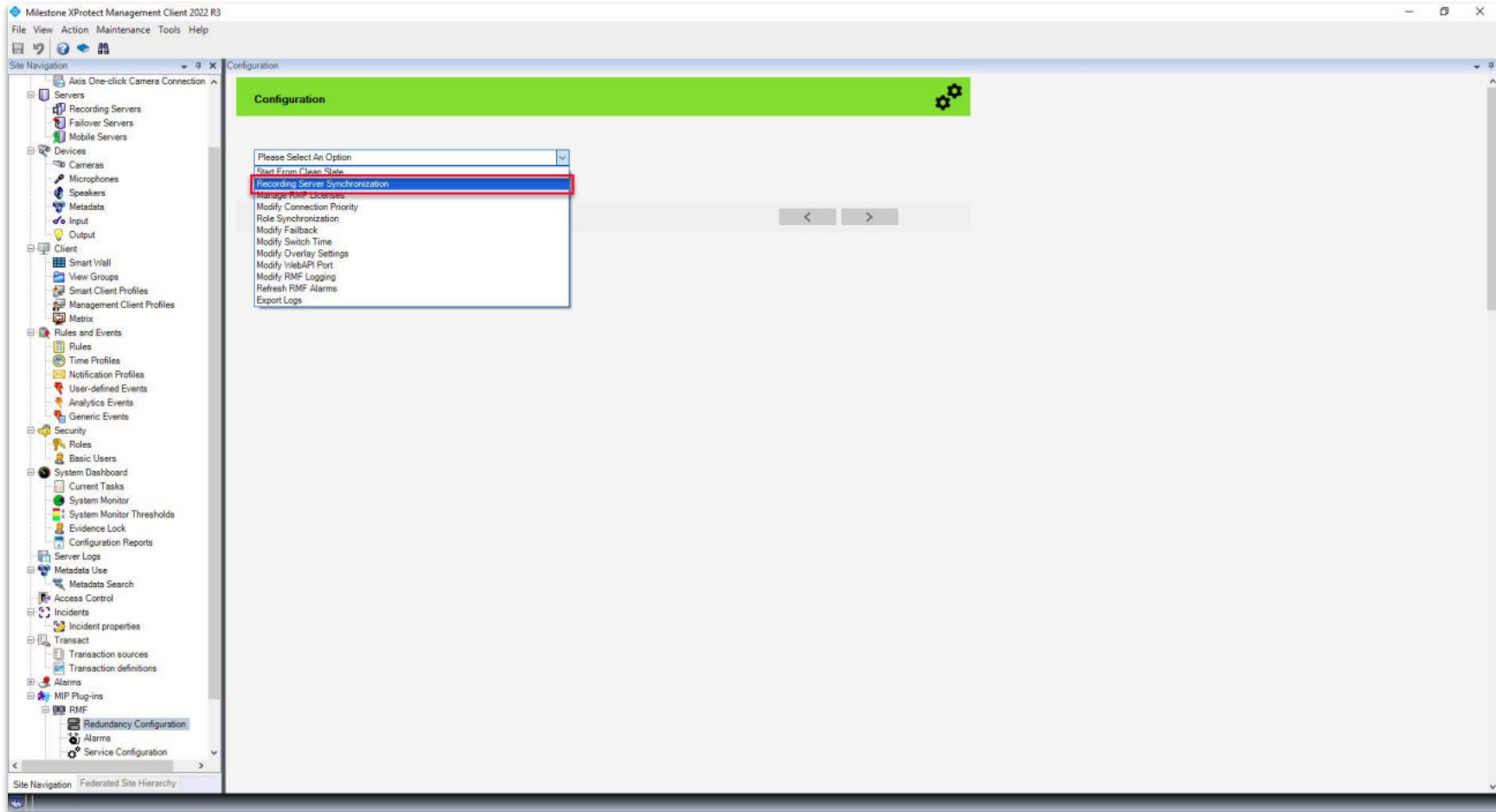


## Part 2: Replicate newly added cameras to Child (**Secondary**) Site

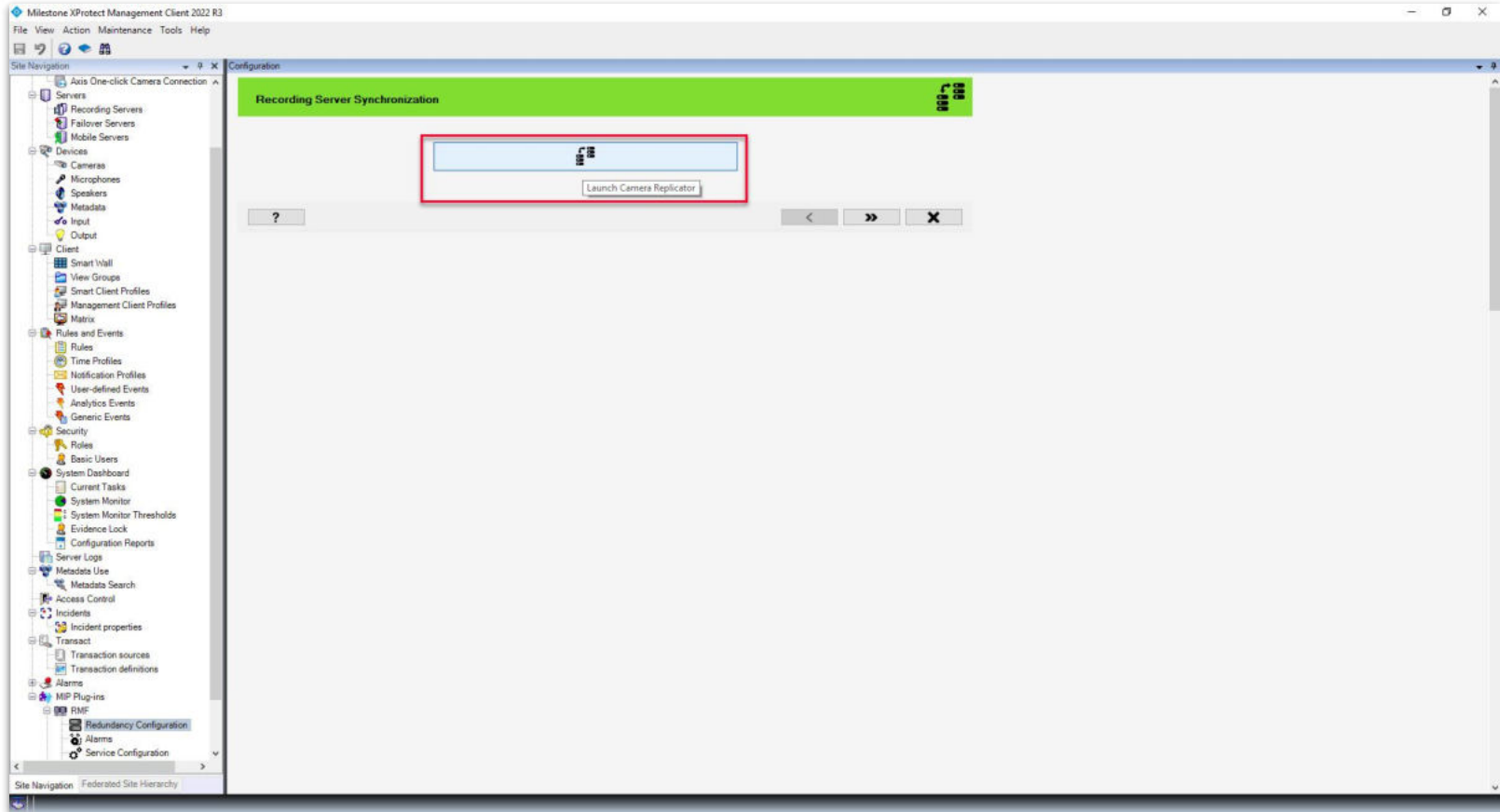




**Step 4:** Select the **RMF plugin** from **Site Navigation** → **MIP Plugins**.  
Expand **RMF** and select **Redundancy Configuration**

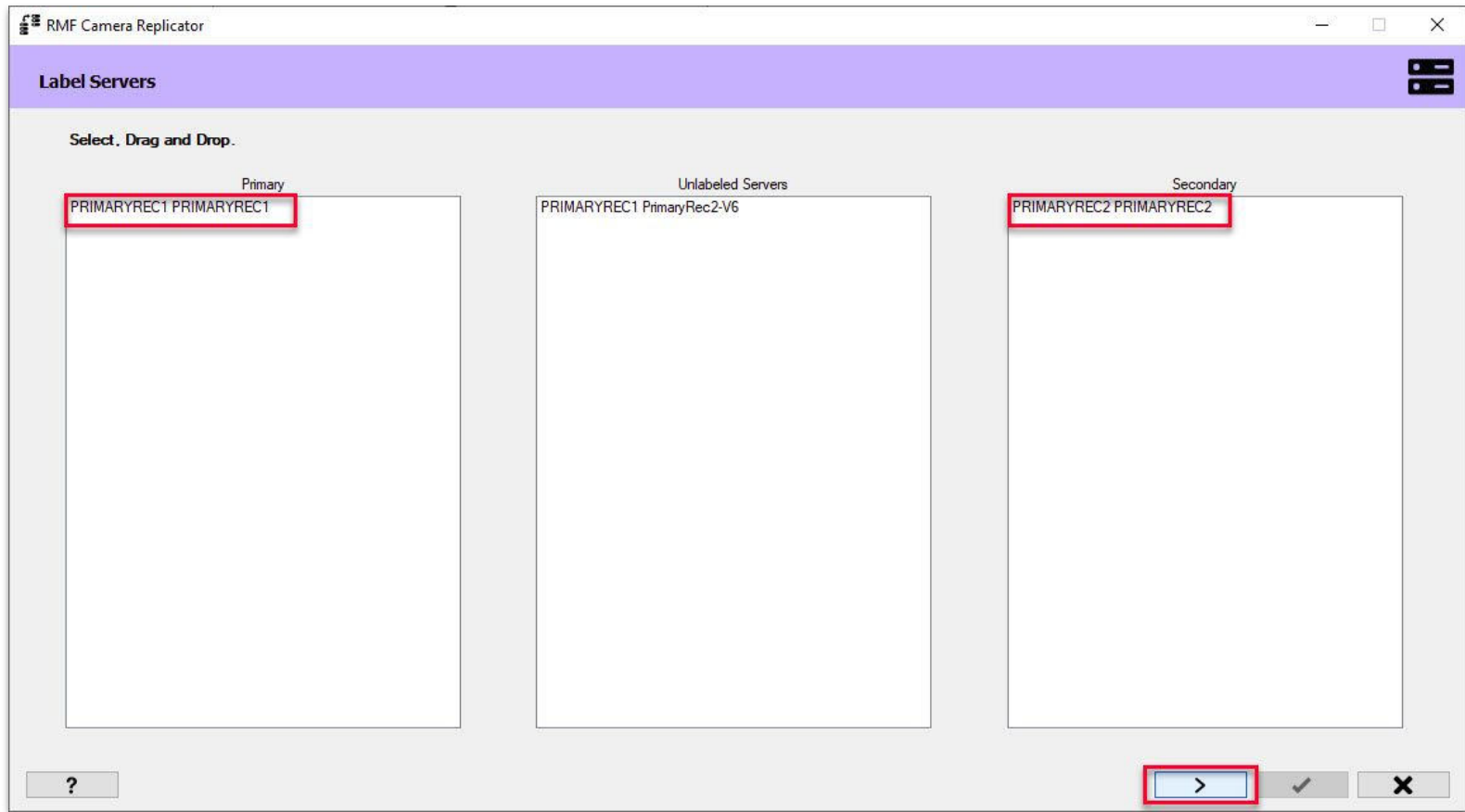


**Step 5**: Choose **Recording Server Synchronization** from the list.

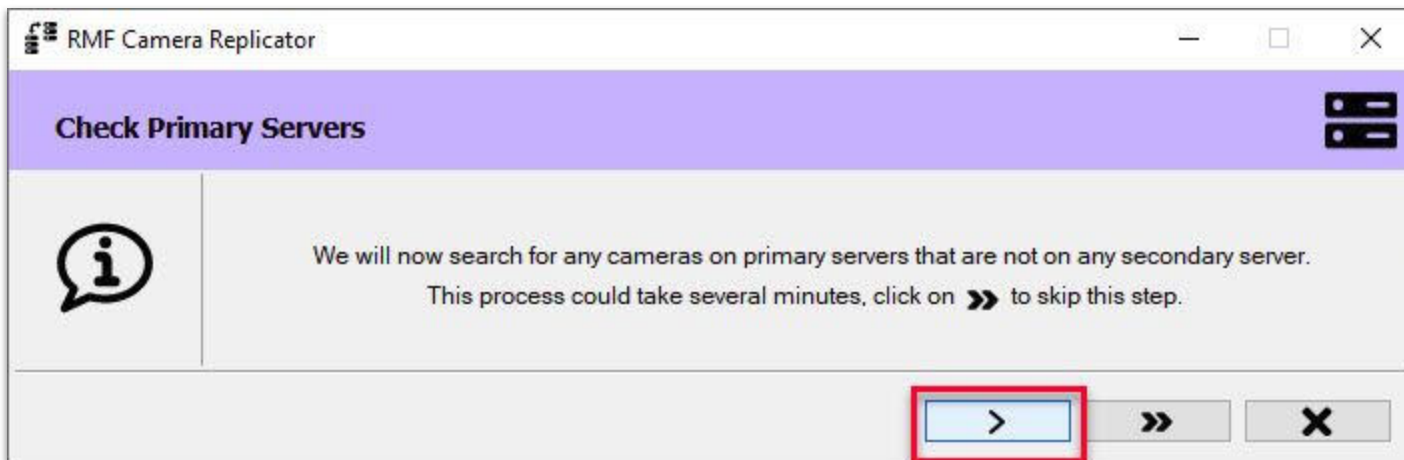


**Step 6:** Click the **Launch Camera Replicator** button.  
The RMF camera replicator helps to copy the cameras from the parent site (**primary servers**) to redundant recording servers.

**Step 7: 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)

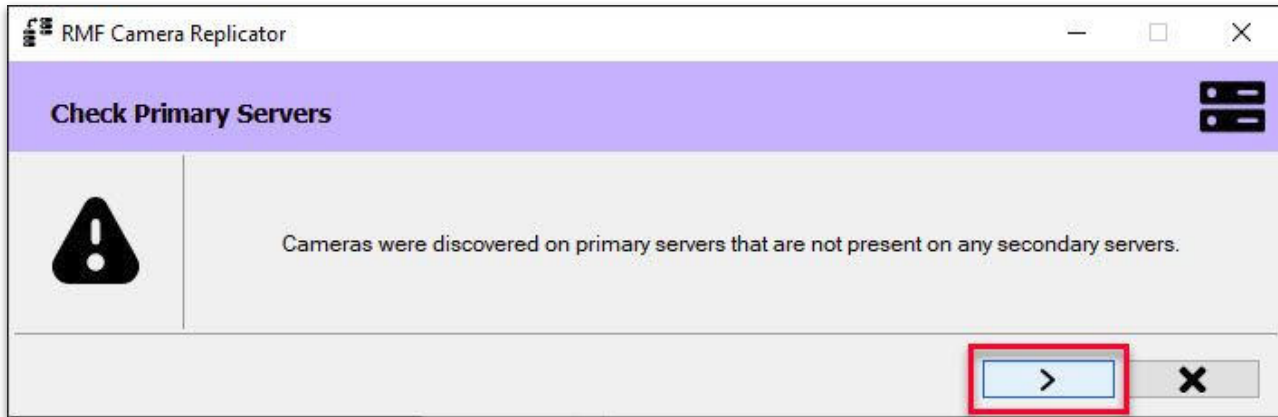
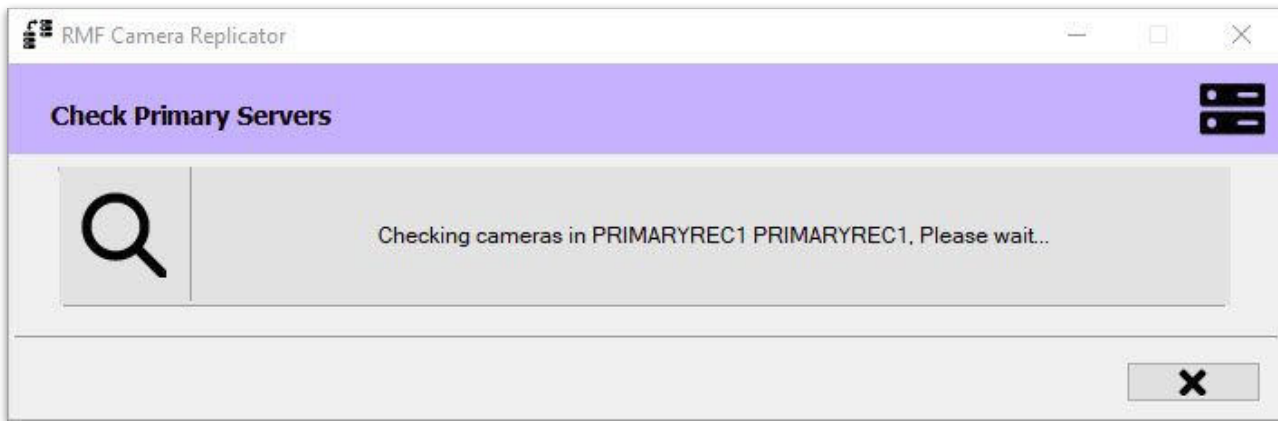


**Step 8:** Labelled **Primary** and **secondary servers** are displayed.  
Click **Next** to proceed.

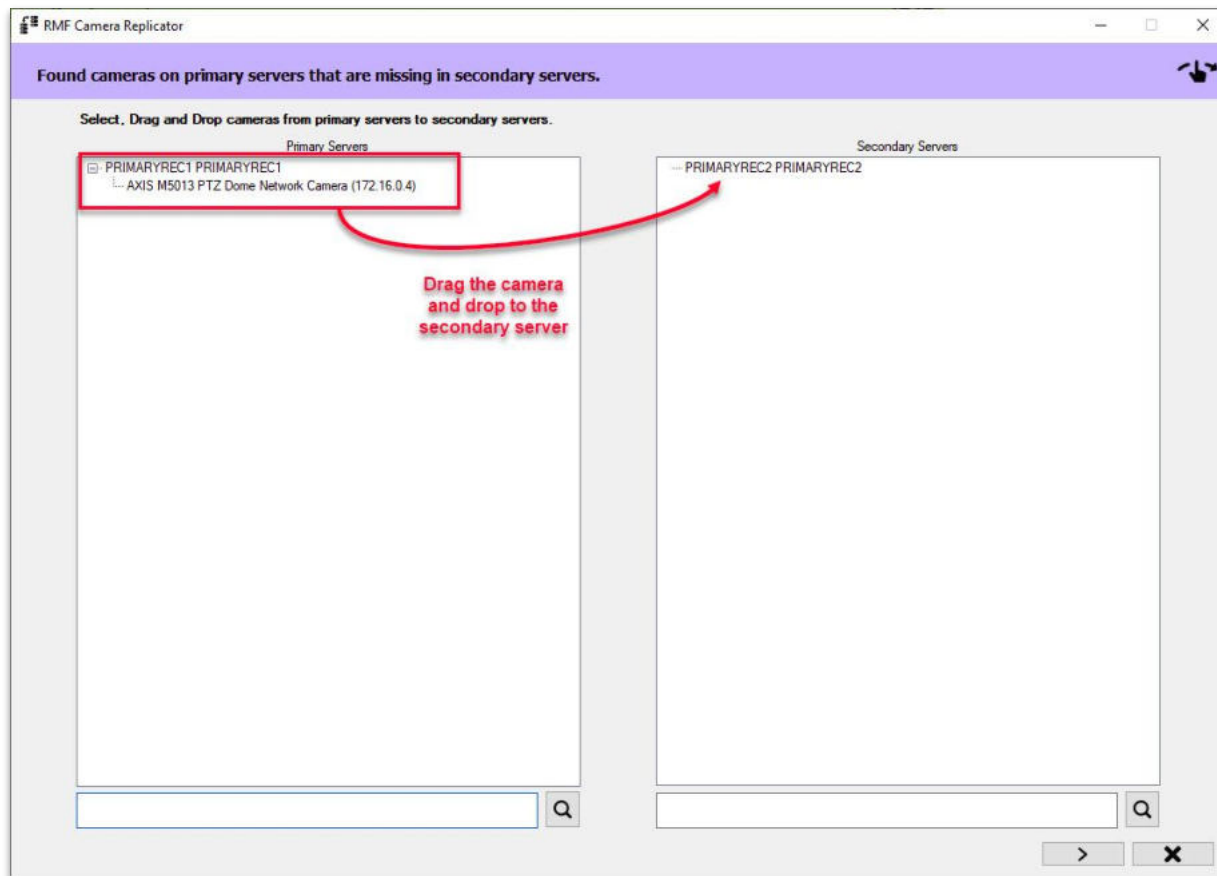


**Step 9:** Click **Next** to search for the cameras on the parent (**primary**) site, not on the child (**secondary**) site.

**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 **Step 15**)

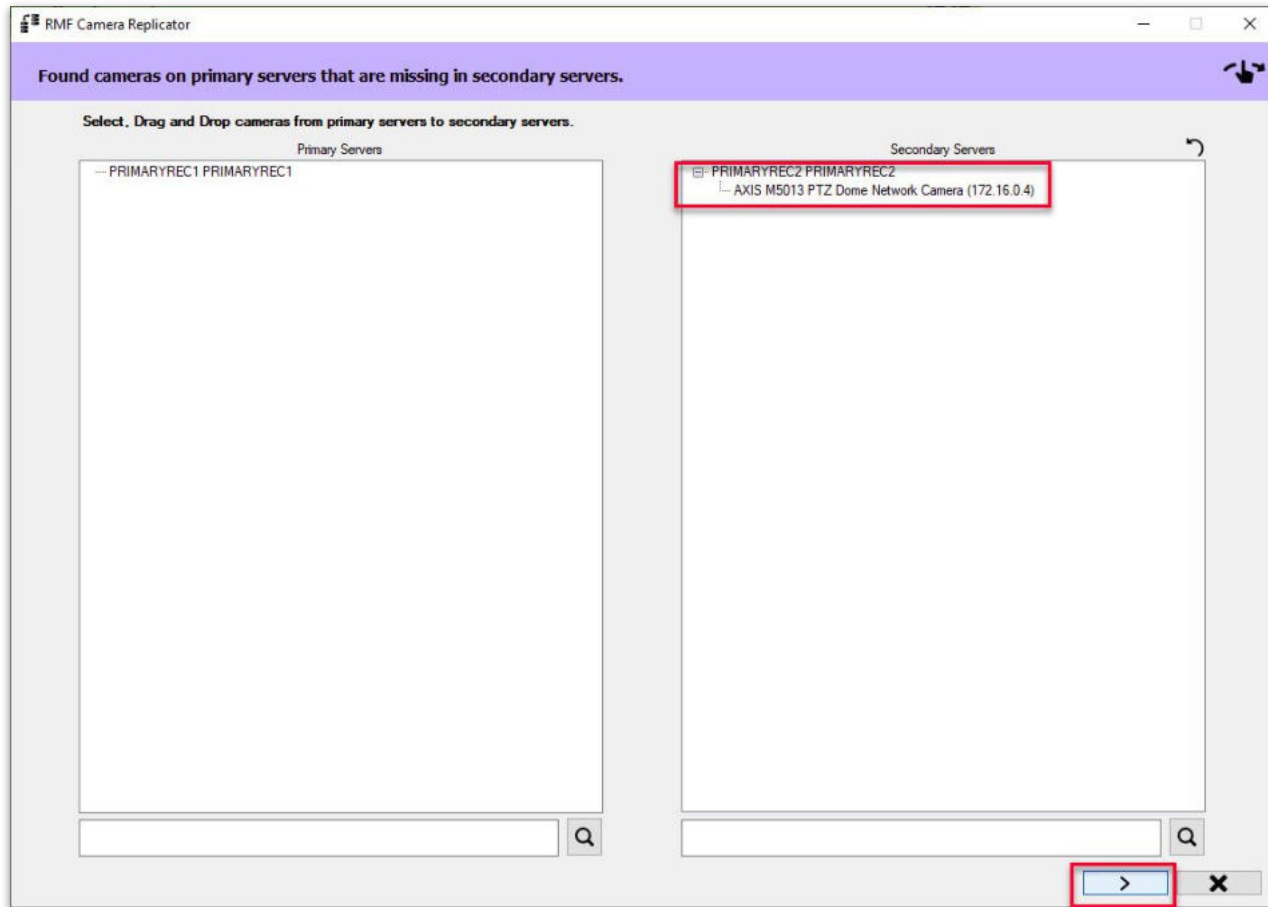


**Step 10:** Click **Next** to see the cameras found on the parent (**primary**), not on the child (**secondary**) site.

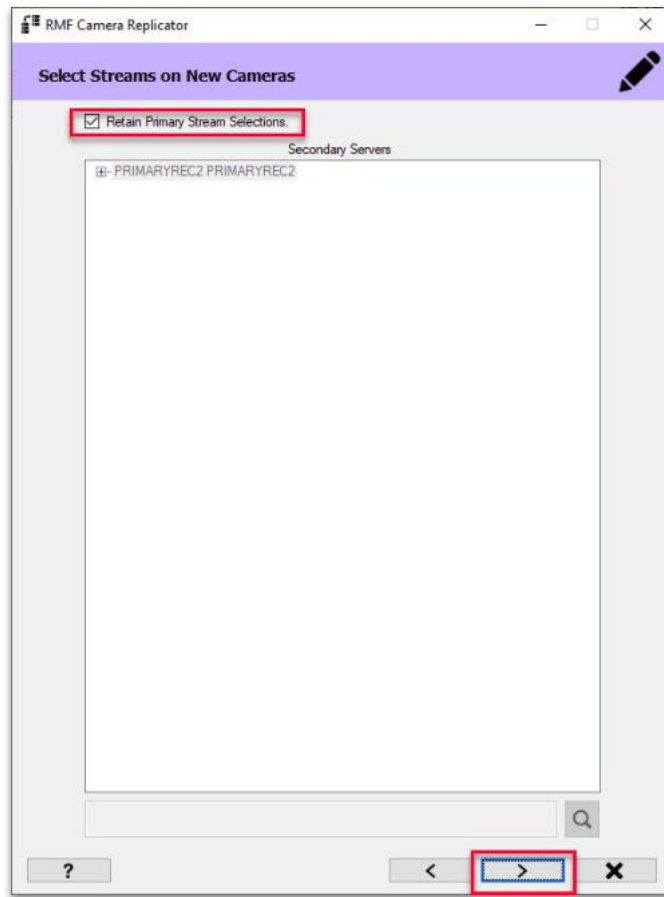


**Step 11:** Cameras found on the **parent (primary)**, not on the child (**secondary**), are **listed** under Primary servers. **Drag and drop the cameras** that have to be replicated from the parent server list (**Primary Servers**) to the child server list (**Secondary Servers**).

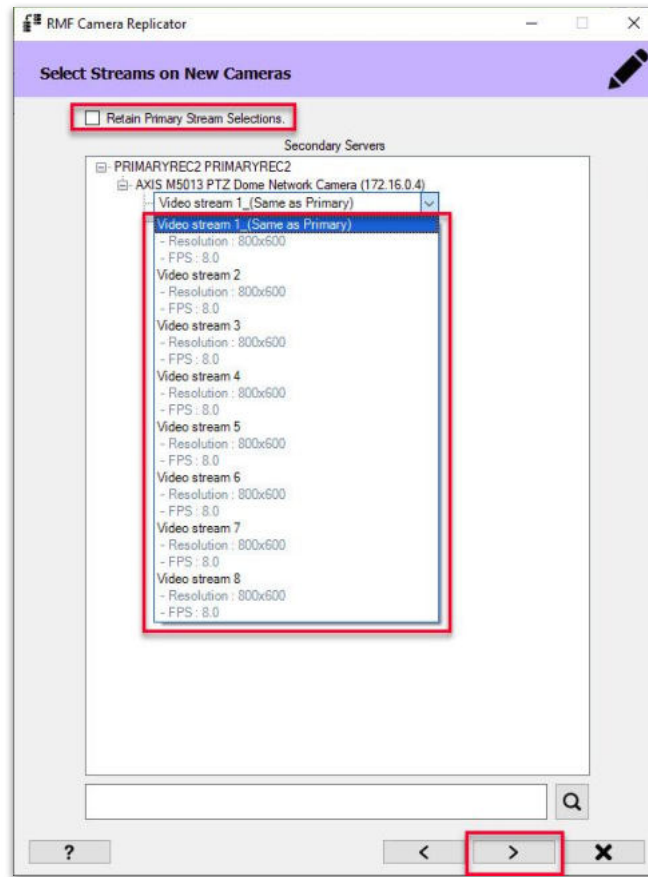




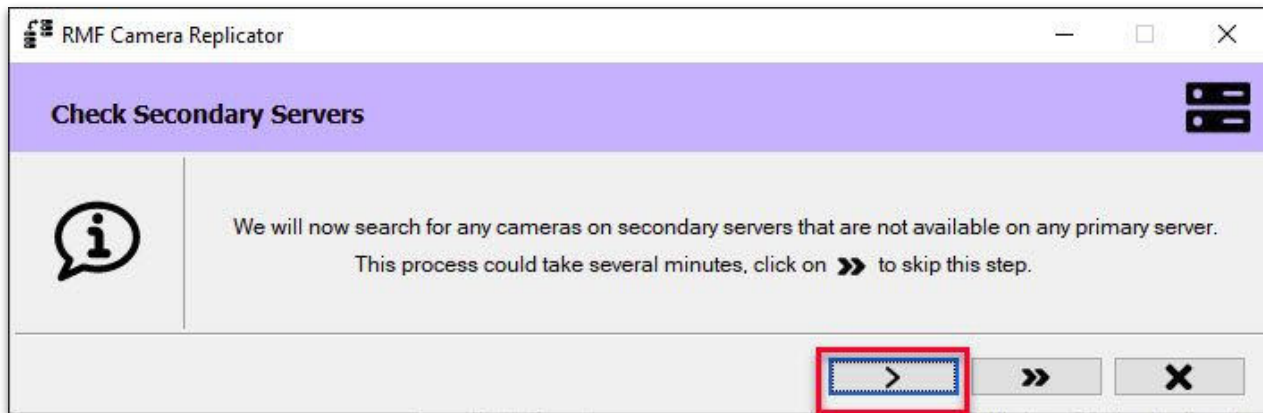
**Step 12:** Click **Next** after selecting the camera to be replicated.



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

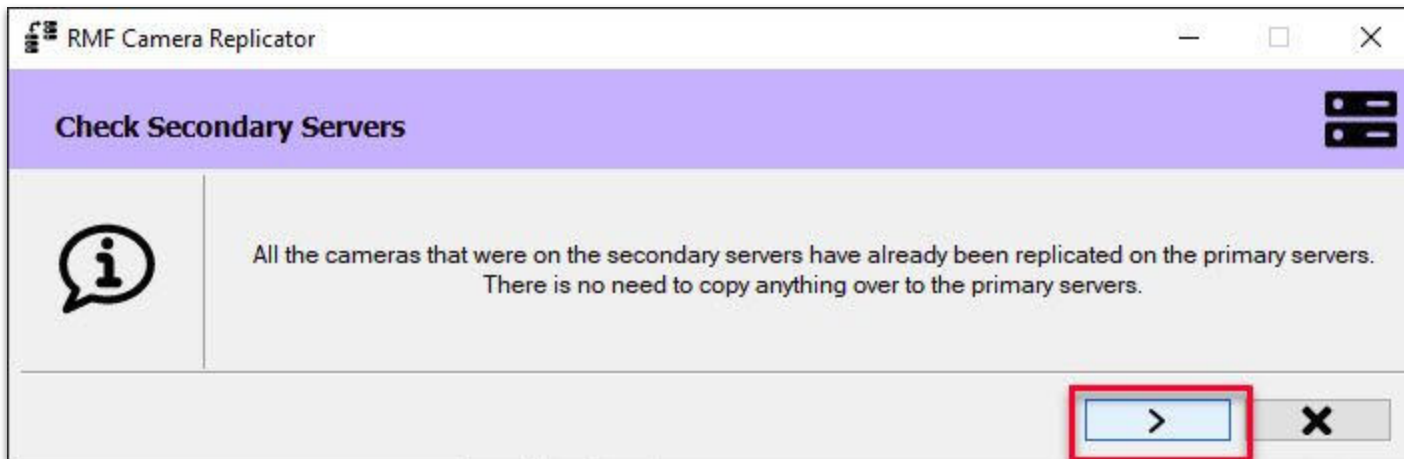


**Step 14:** Uncheck the **Retain Primary Stream Selections** to change the stream configuration (video profile) for record and live for the camera in the child (**secondary**) site.  
Click **Next** to find cameras on the child (**secondary**) site, not on the parent (**primary**).



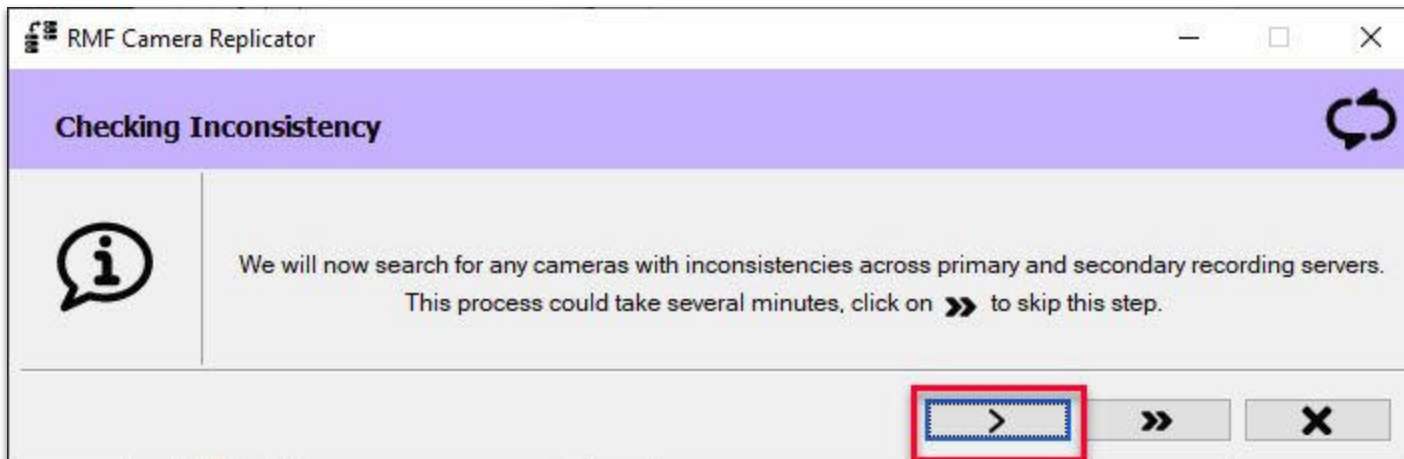
**Step 15:** Click **Next** to find cameras on the child ([secondary](#)) recording server, not on the parent ([primary](#)) recording server.

**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 [Step 17](#))



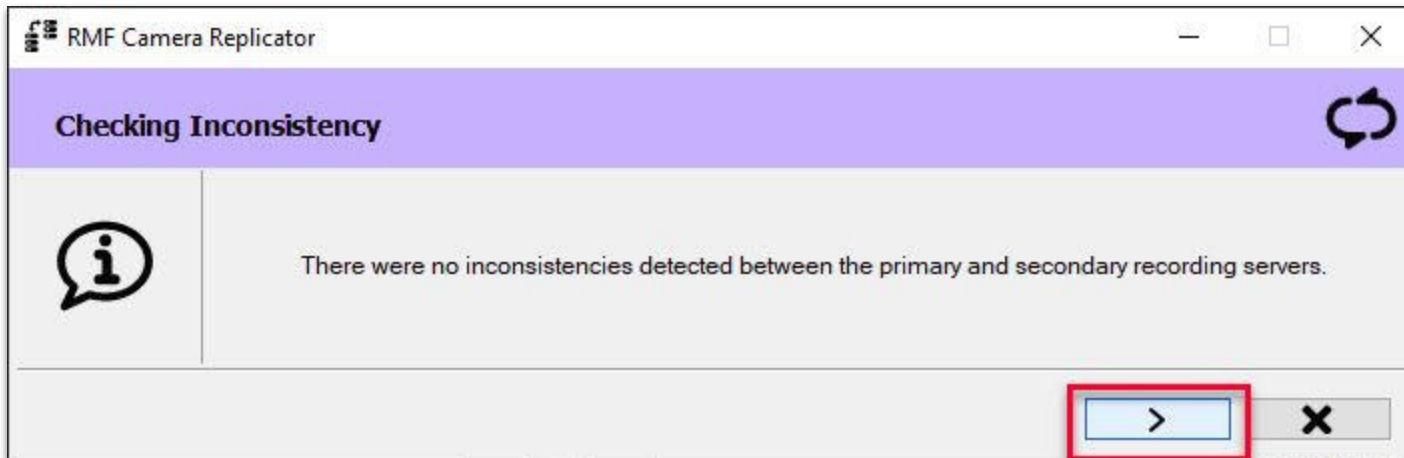
**Step 16:** Click **Next** to continue with the replication process.

**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.



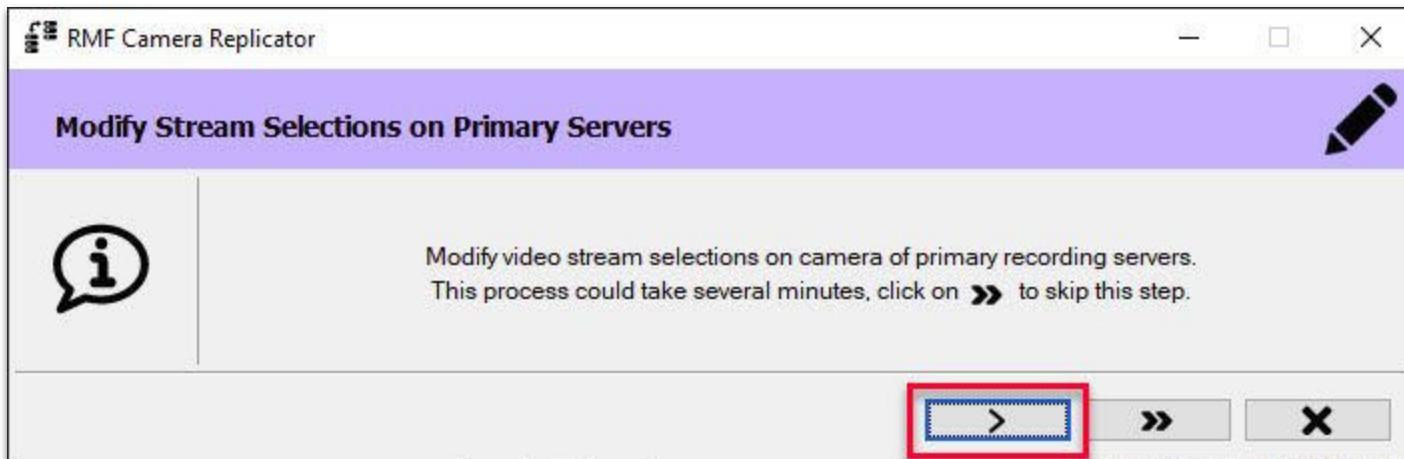
**Step 17:** Click **Next** to find inconsistencies across parent ([primary](#)) and child ([secondary](#)) recording servers.

**Note:** Click **Skip**, If you do not wish to check inconsistencies. (Goto [Step 19](#))



**Step 18:** Click **Next** to continue with the replication process.

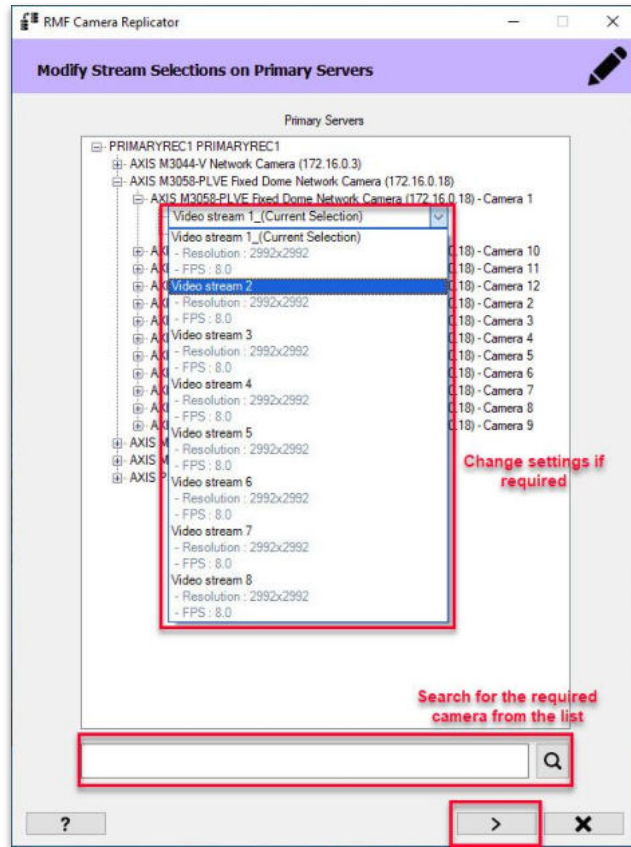
**Note:** All the inconsistencies (If found) across parent ([primary](#)) and child ([secondary](#)) recording servers will be listed and synchronized.



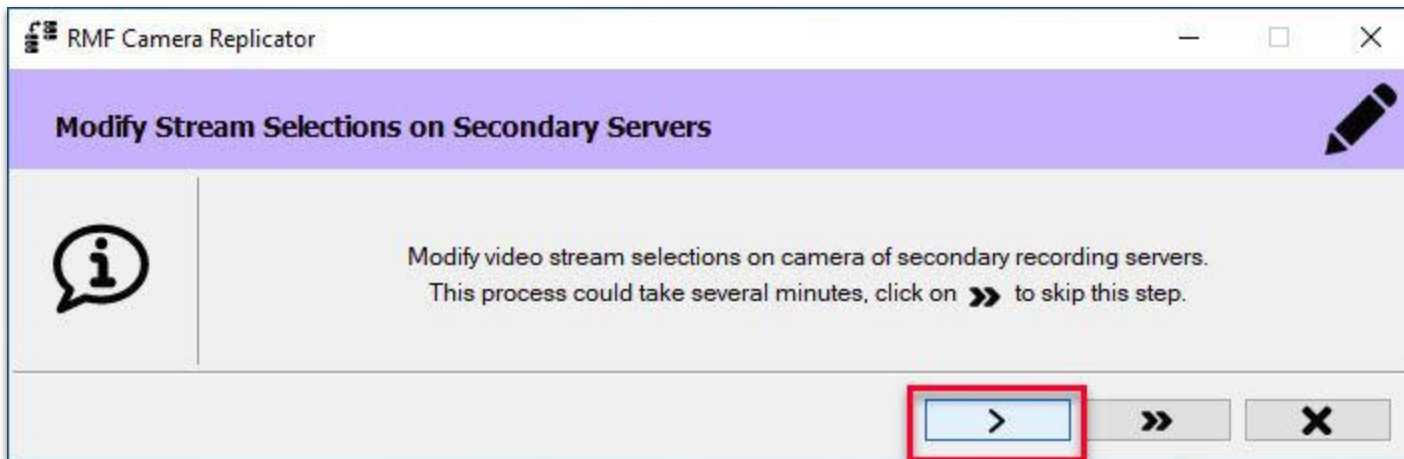
**Step 19:** Click **Next** to modify the video stream selection for the cameras on parent ([primary](#)) recording servers.

**Note:** Click **Skip** to continue with the setup without modifying video stream selection on parent ([primary](#)) site cameras. (Goto [Step 21](#))



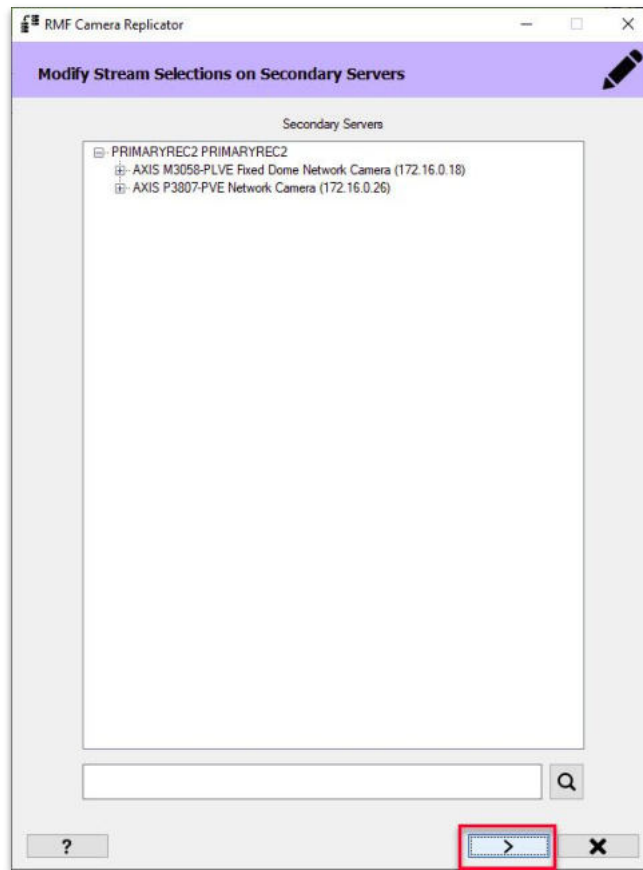


**Step 20:** Modify the video stream configuration for the cameras on the parent site (primary servers), if required.  
Click **Next** to continue with the setup.

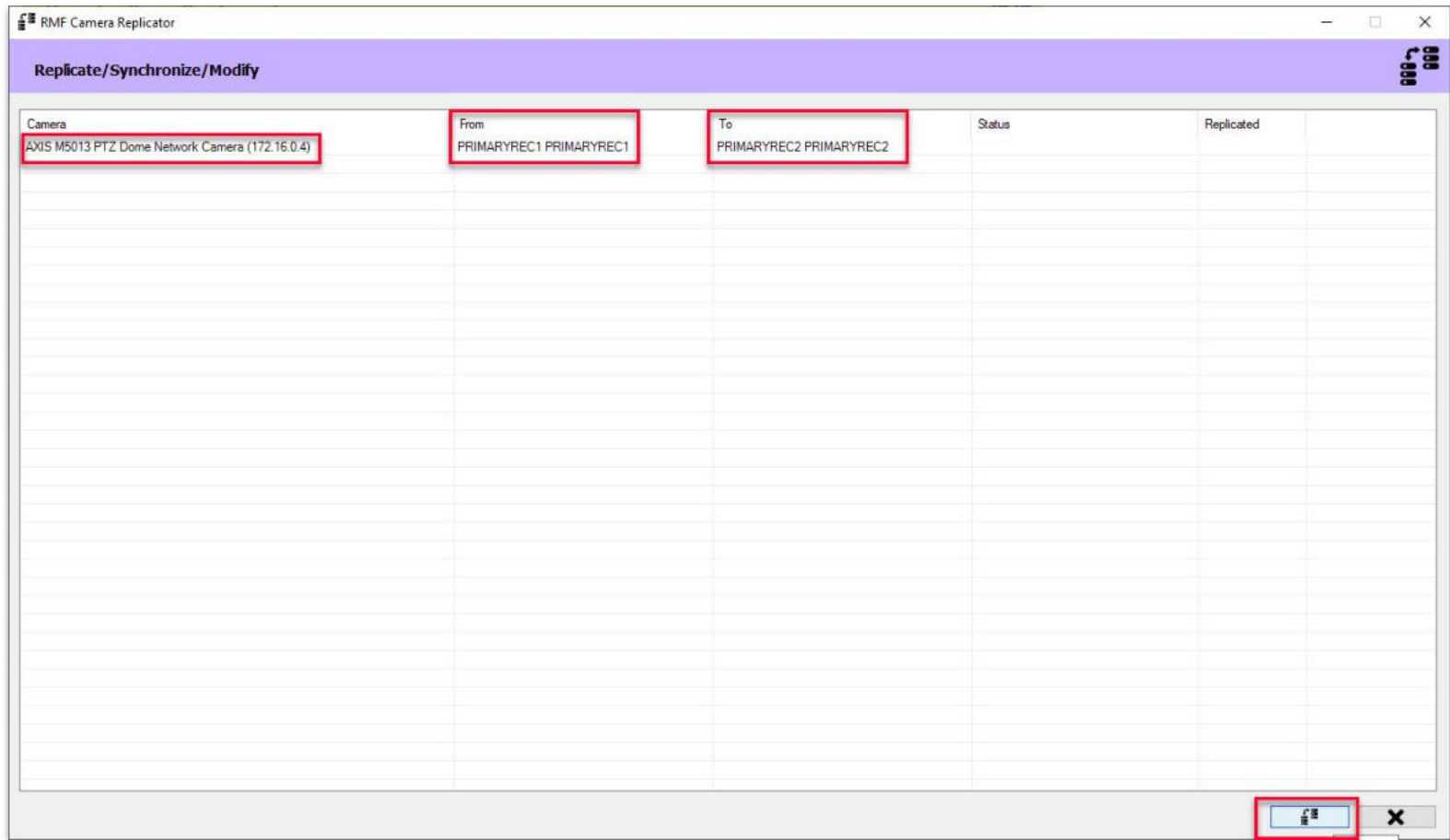


**Step 21:** Click **Next** to modify the video stream configuration for the cameras on child ([secondary](#)) recording servers.

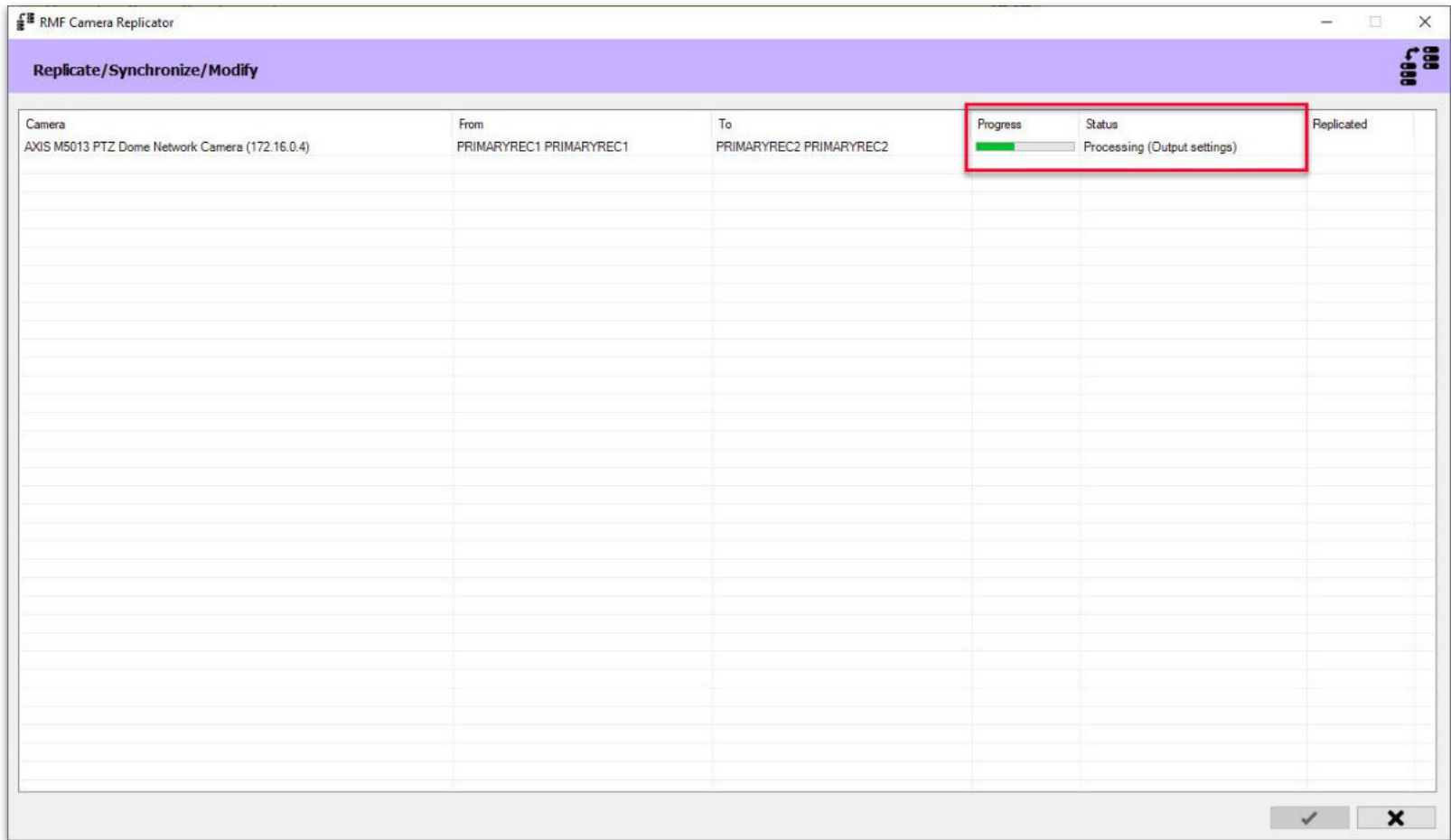
**Note:** Click **Skip** to continue with the setup without modifying video stream configuration on child ([secondary](#)) site cameras



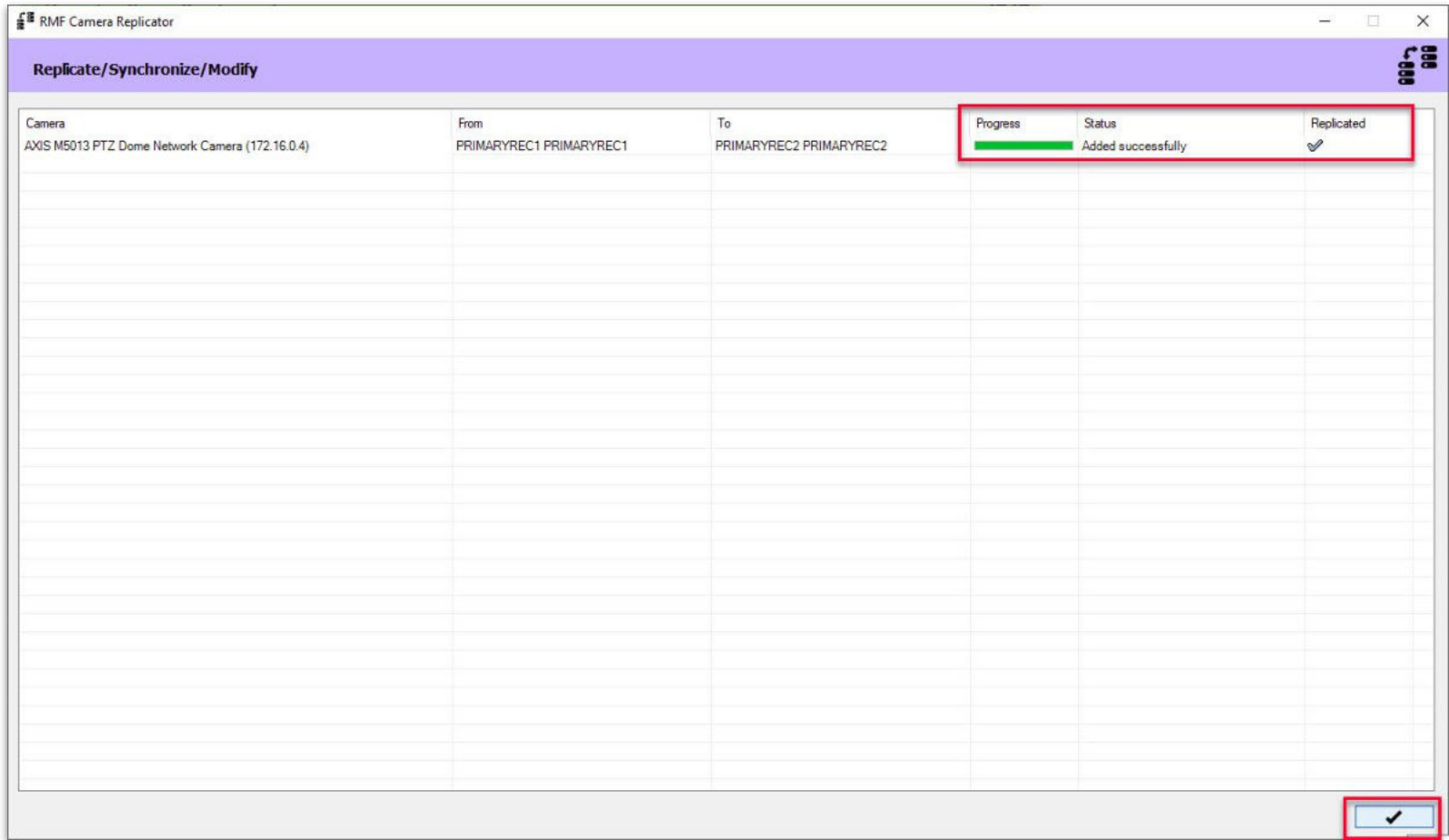
**Step 22:** Modify the video stream configuration for the cameras on the child site ([secondary](#)), if required. Click **Next** to continue with the setup.



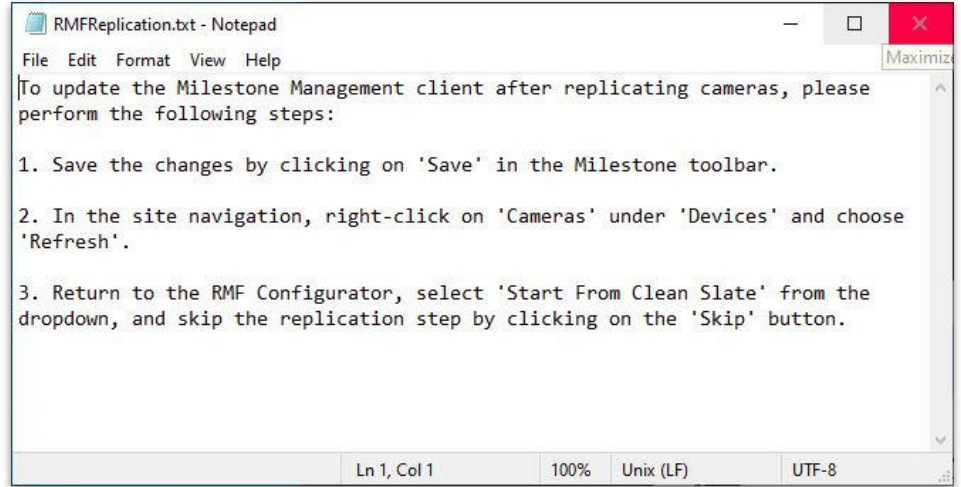
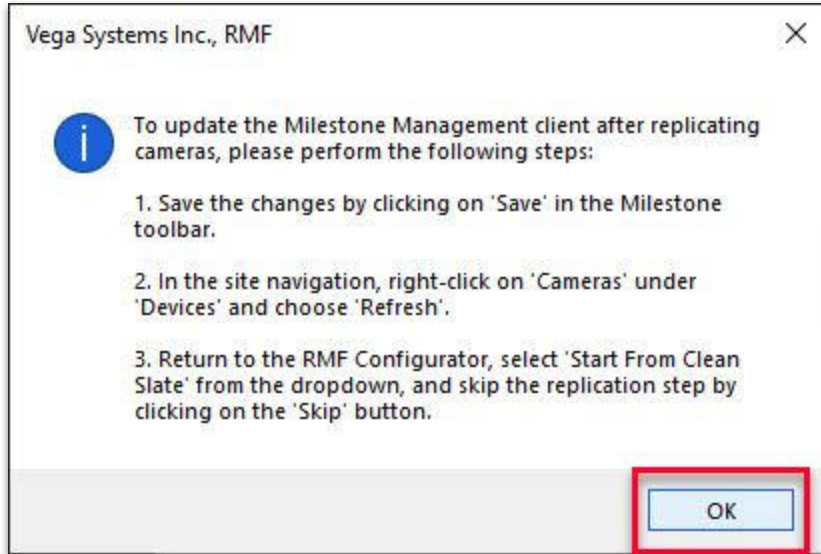
**Step 23:** Cameras selected for replication are listed.  
Click the **Replicate** button to start the replication.



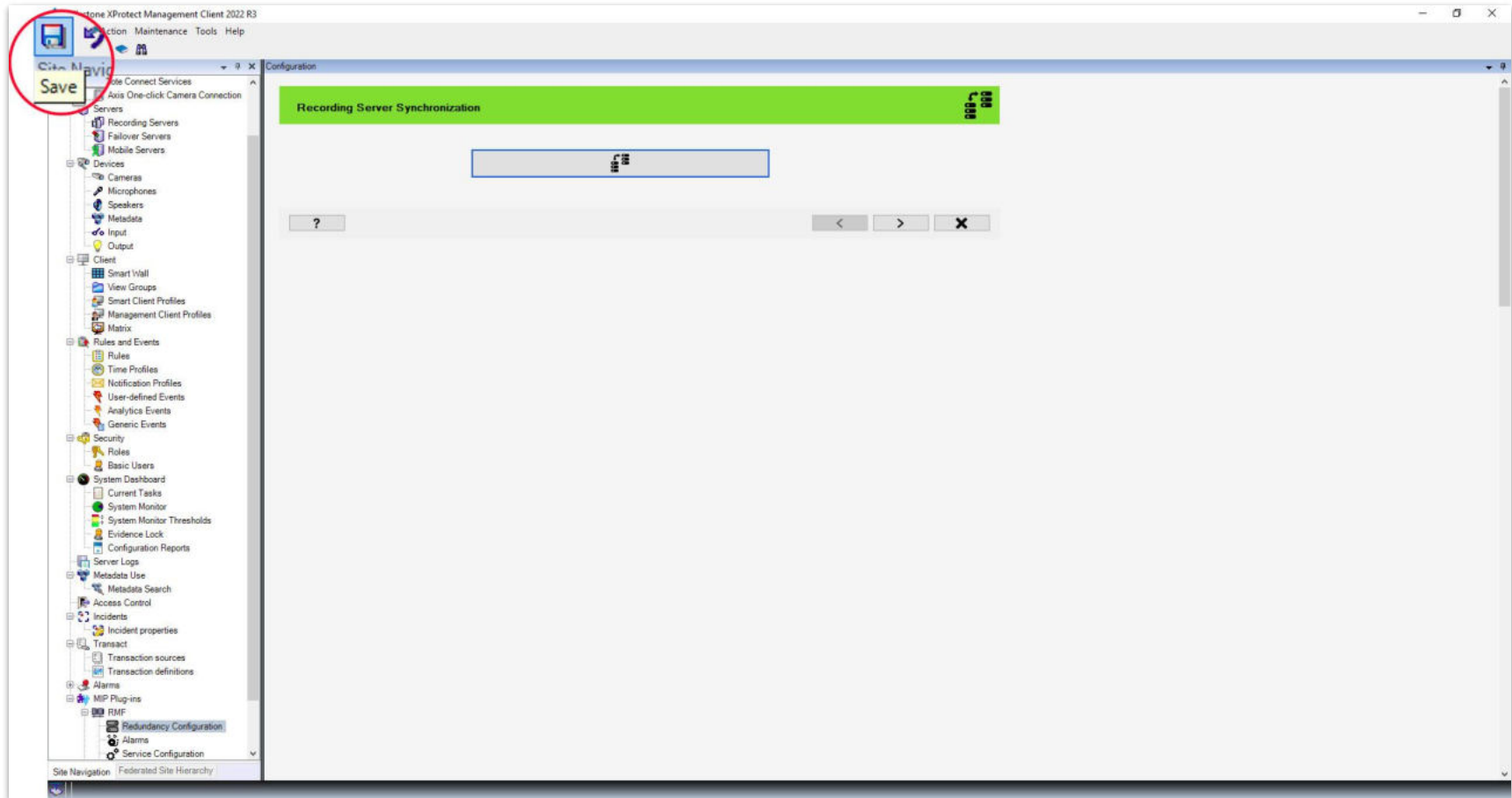
**Step 24:** The status of the replication is displayed.



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

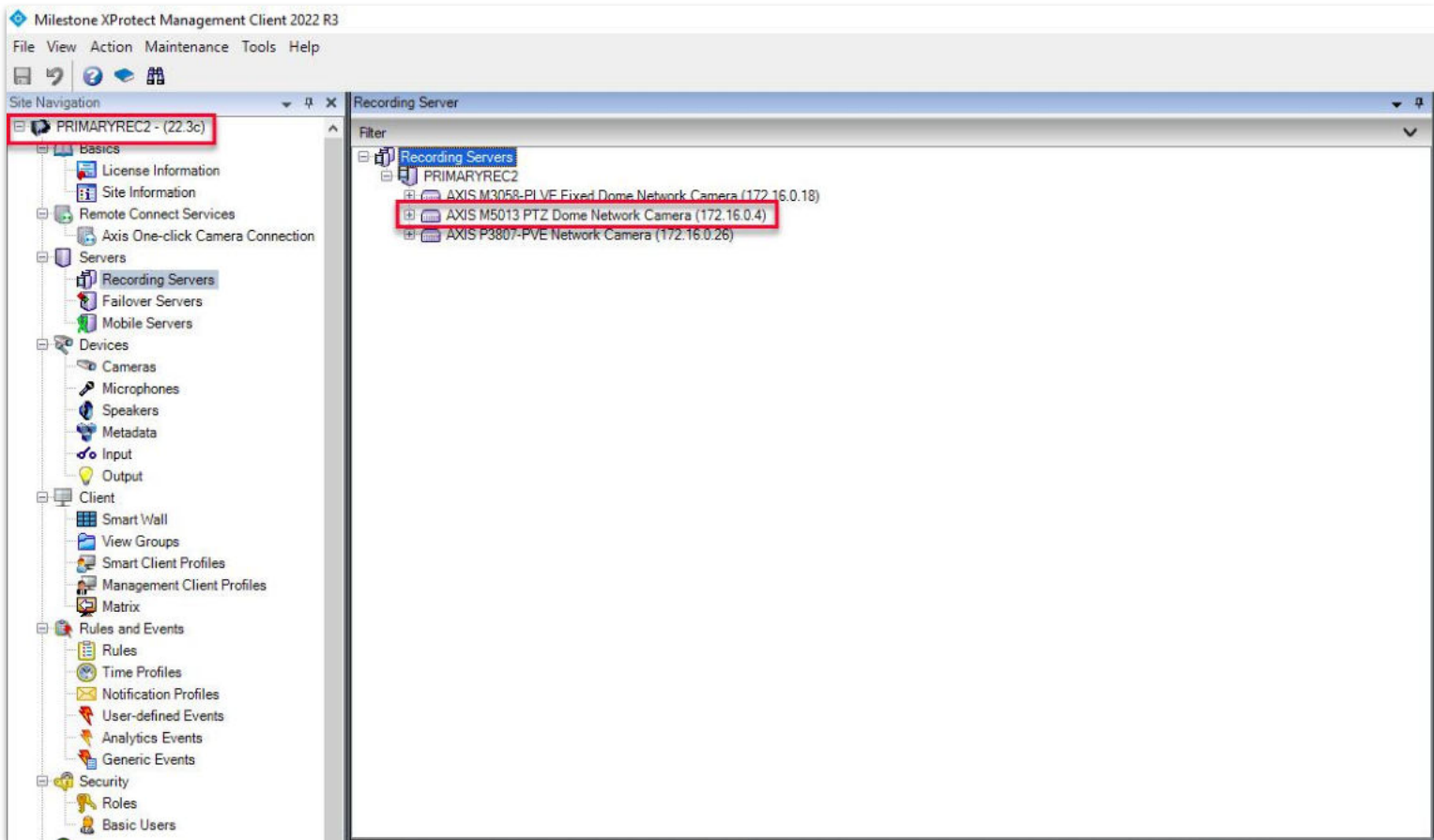


**Step 26:** Follow the steps mentioned above and continue with the configuration.



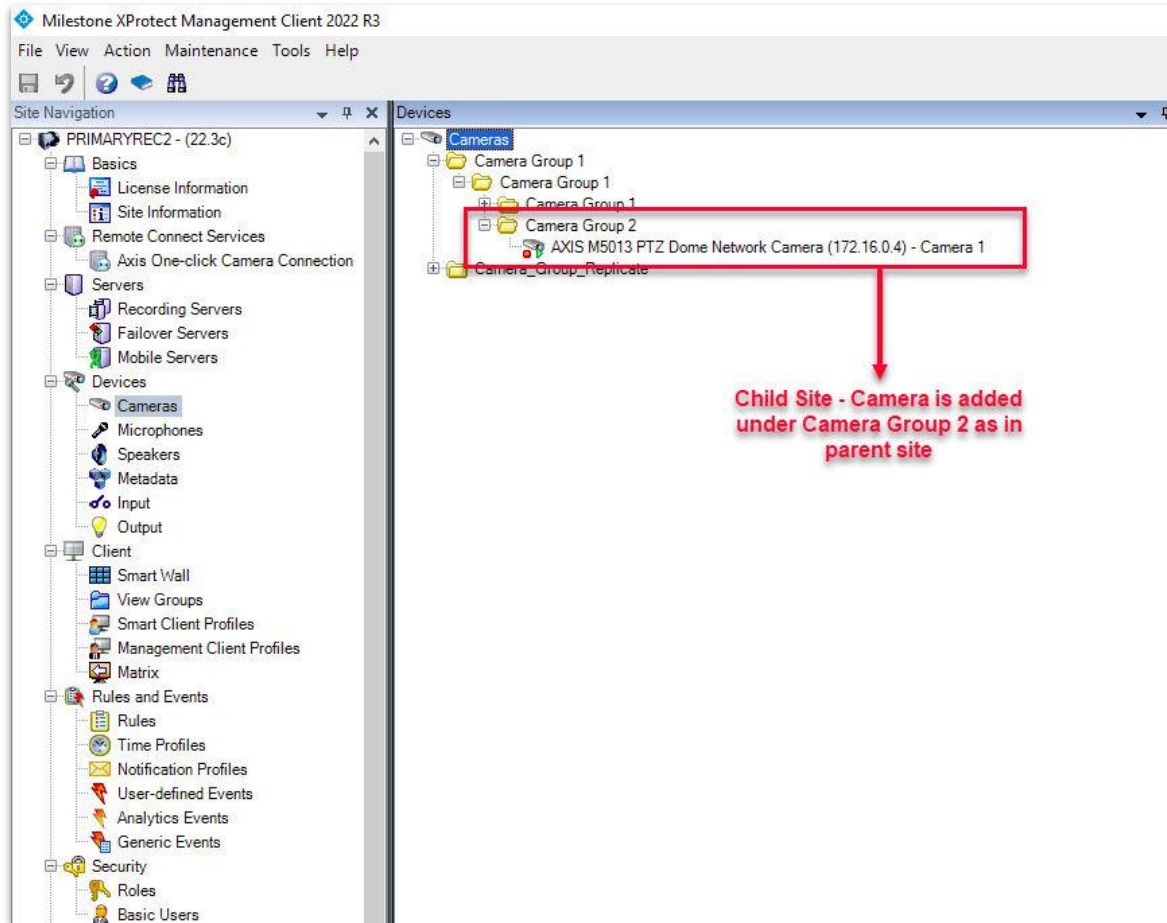
**Step 27**: Save the settings as shown above.



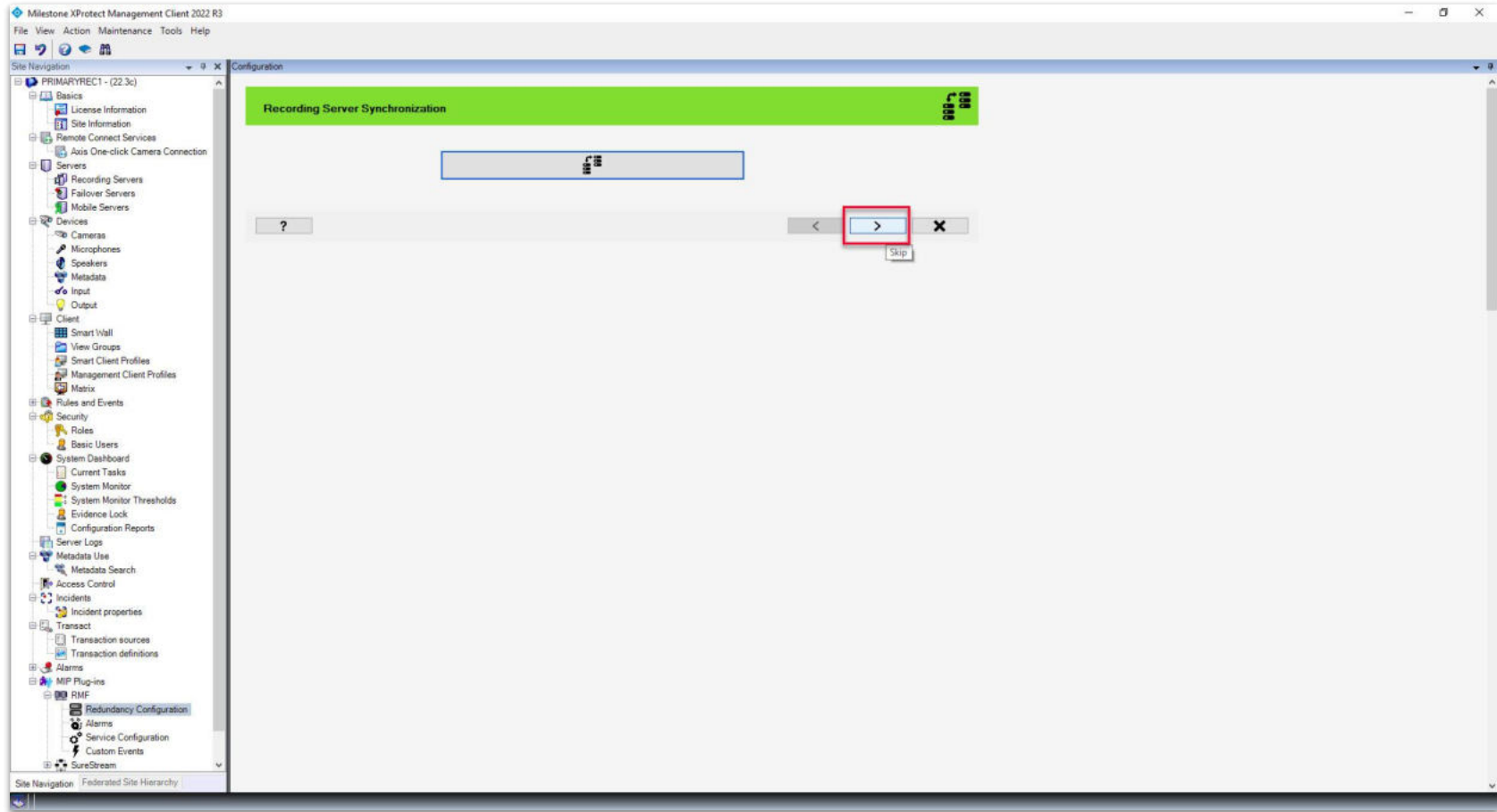


**Verification Step: Child (Secondary) Recording Server Camera List after replication.**

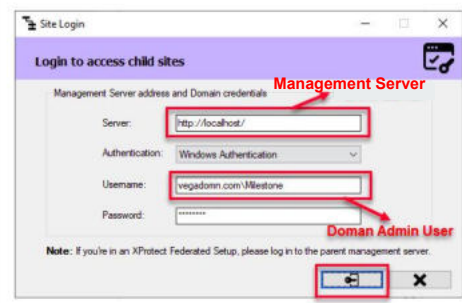
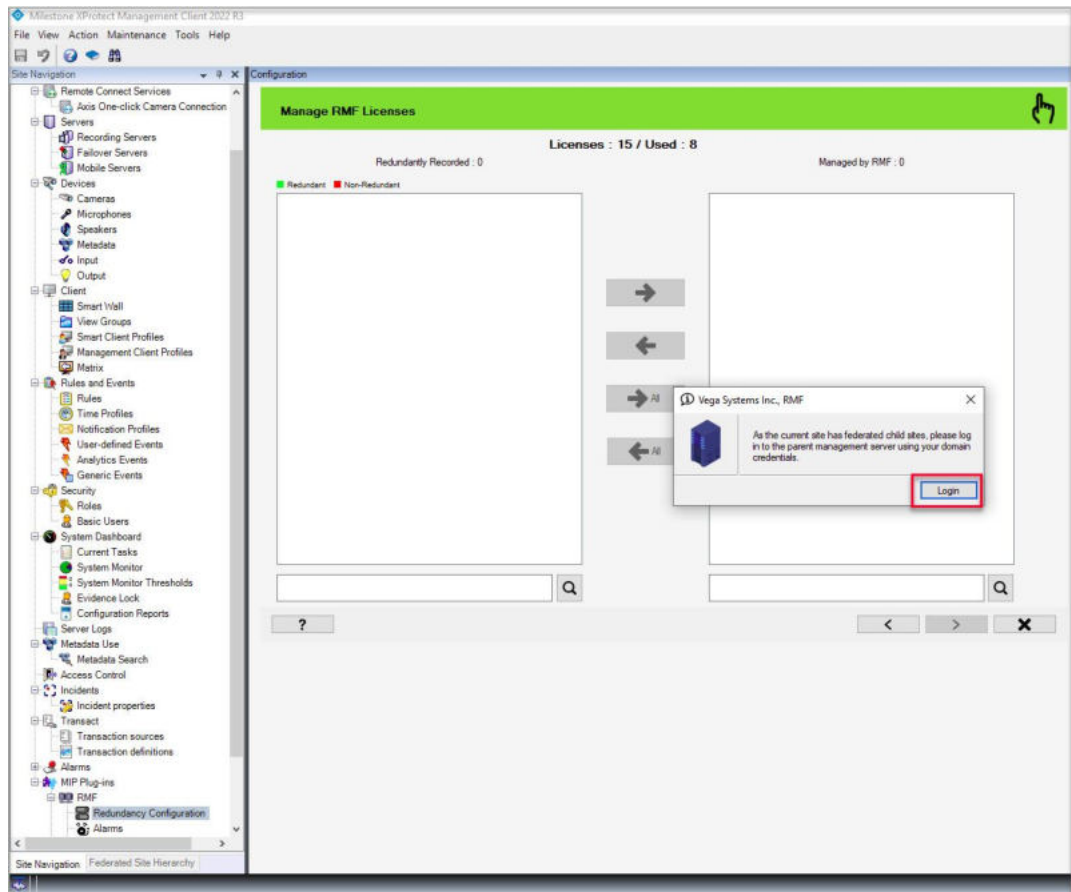
**Note:** The selected camera is replicated on the child site (secondary recording server).



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

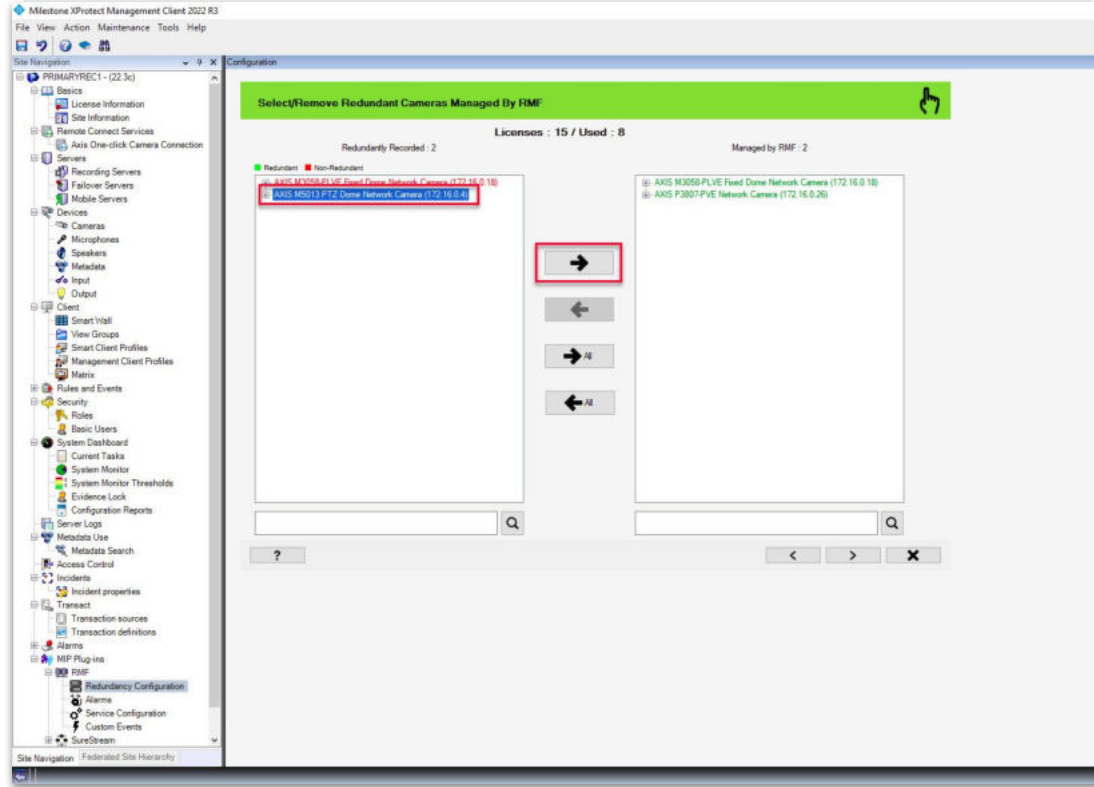


**Step 28:** Continue with the configuration. Click **Skip**.

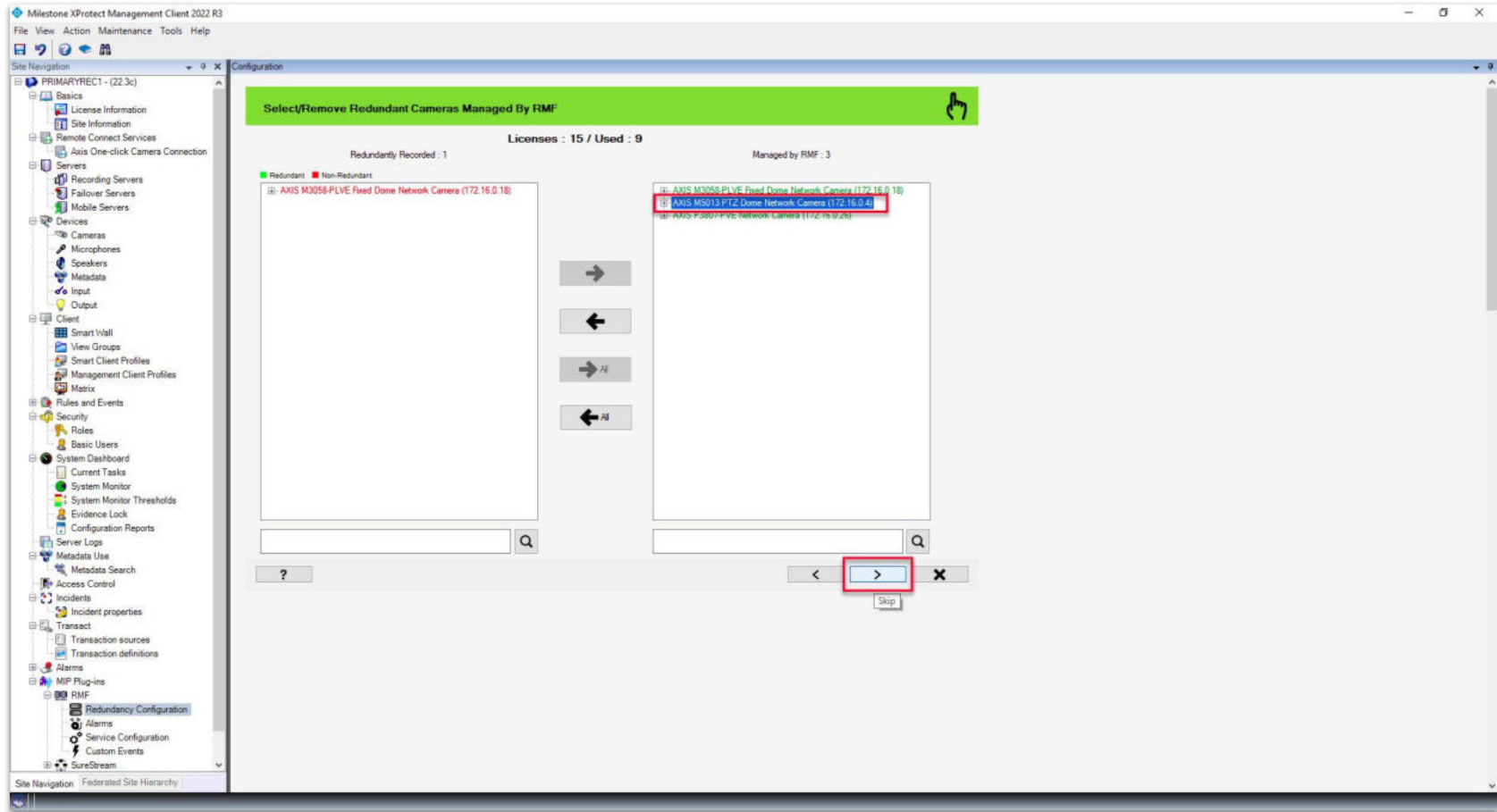


**Step 29:** Login into the **Parent Management Server** as a domain user with admin privileges. (Federated Deployments)  
Login into **Management Server** as a user with admin privileges (Non-Federated Deployments)

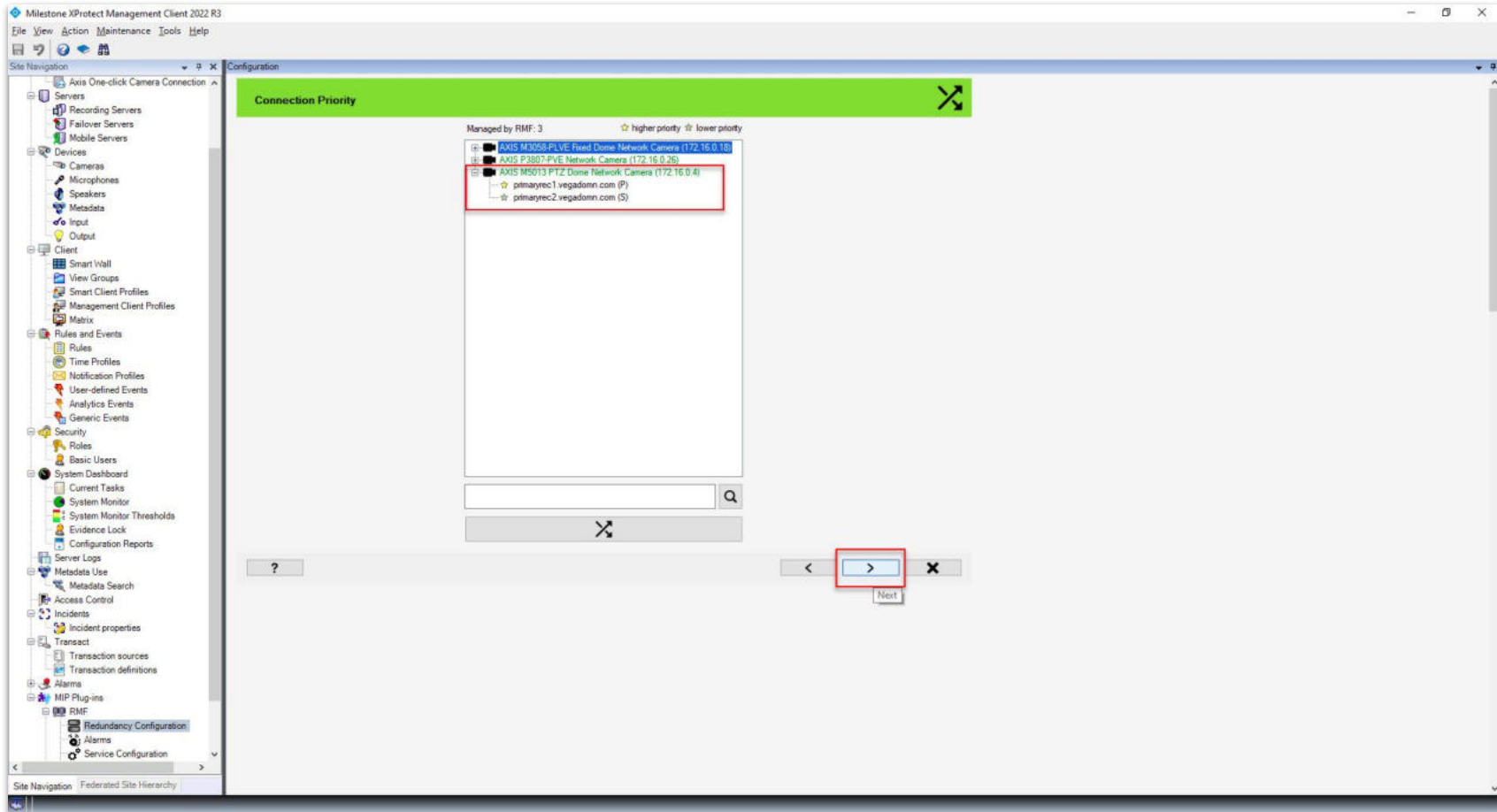
Checking cameras in PRIMARYREC2 PRIMARYREC2, Please wait...



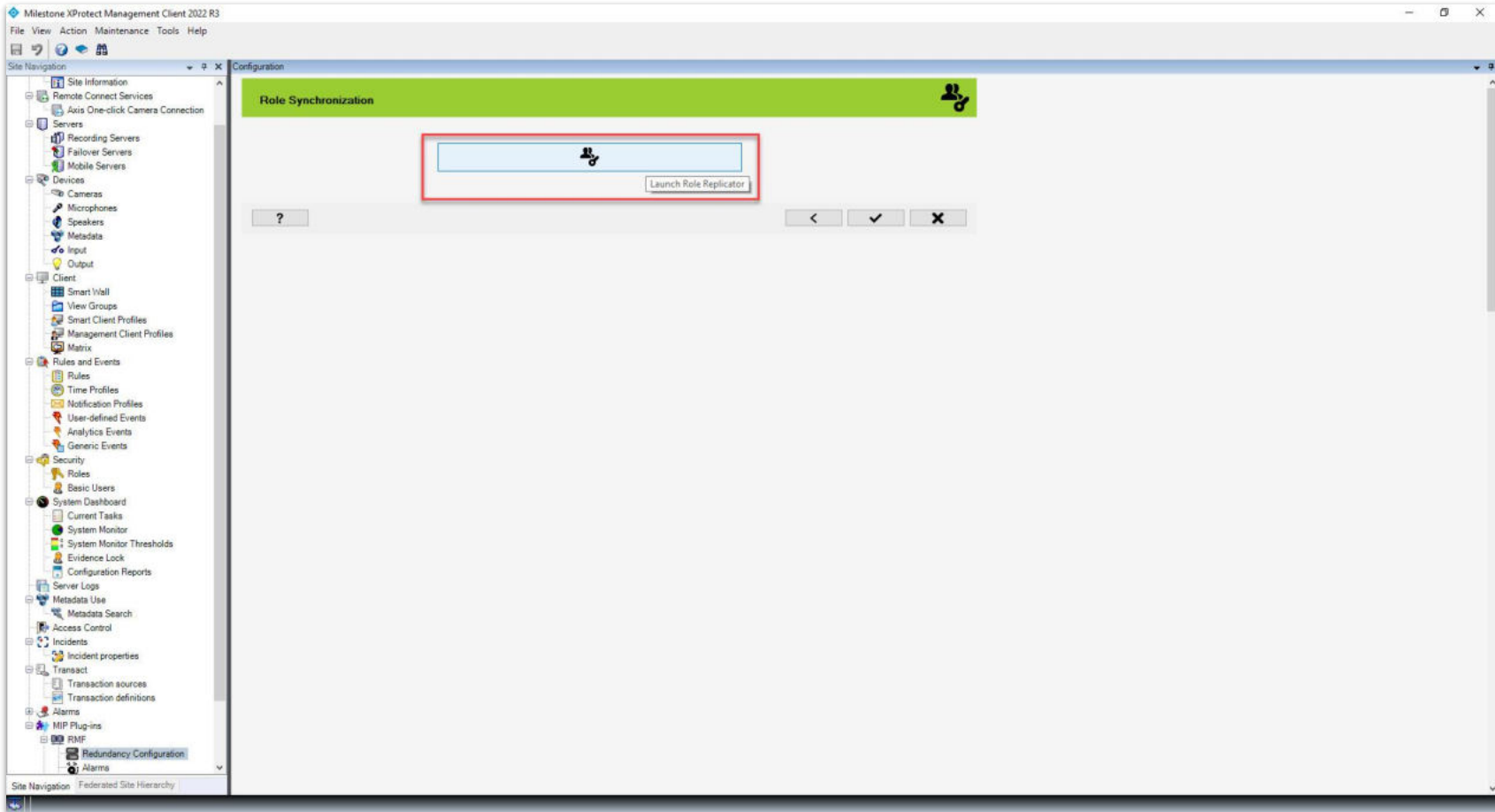
**Step 30:** Select the replicated camera from the redundant recorded camera list. Click **Add** to move the camera to Managed by RMF list and to assign an RMF license.



**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**.



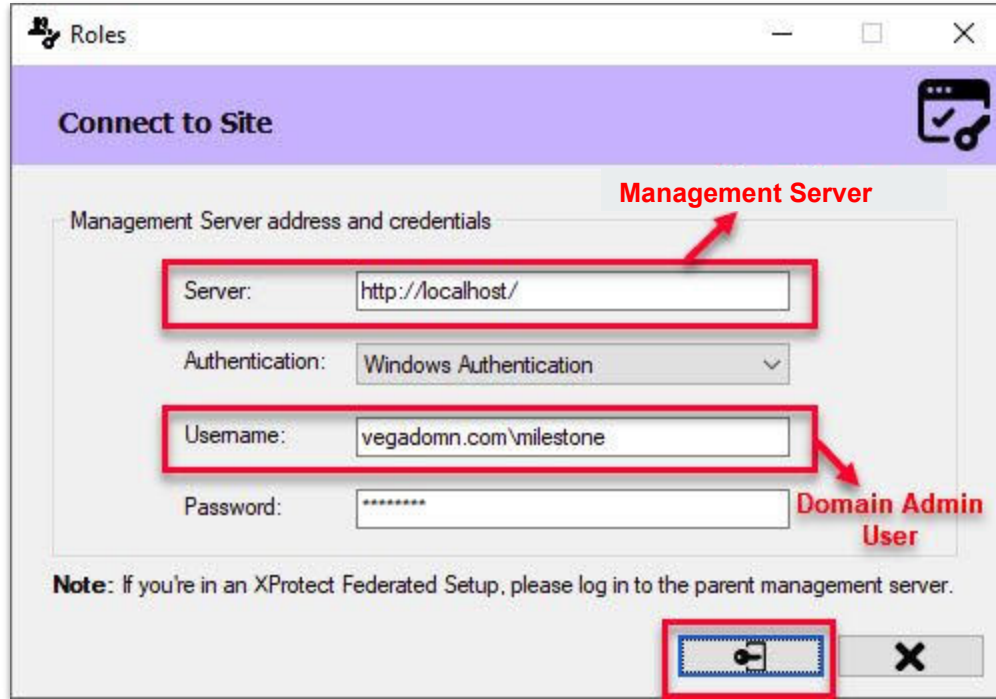
**Step 33:** Launch the **Role Replicator** tool to ensure that any modifications made to roles are synchronized.





**Step 34:** Configure Roles for newly added camera.

**Note:** Refer to [RMF - Role Based View Creation Steps](#) to add roles.



**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

### Connect to Site

Management Server address and credentials

Server:

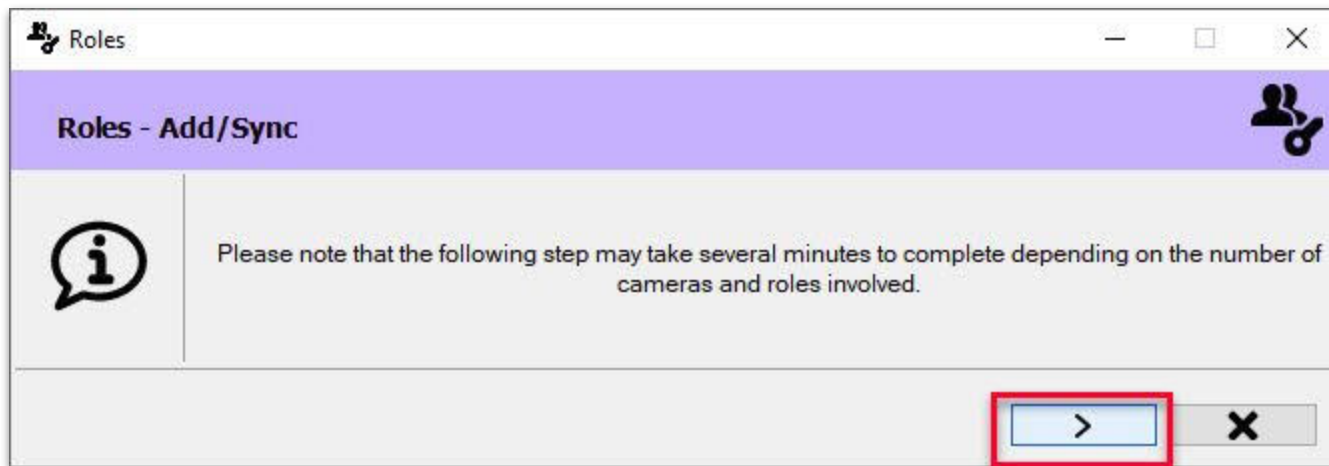
Authentication:

Username:

Password:

**Note:** Please log in to the parent management server in the XProtect Federated setup.

**Step 35:** Login to **Role Replicator** using admin domain credentials.



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



Roles

### Roles - Add/Sync

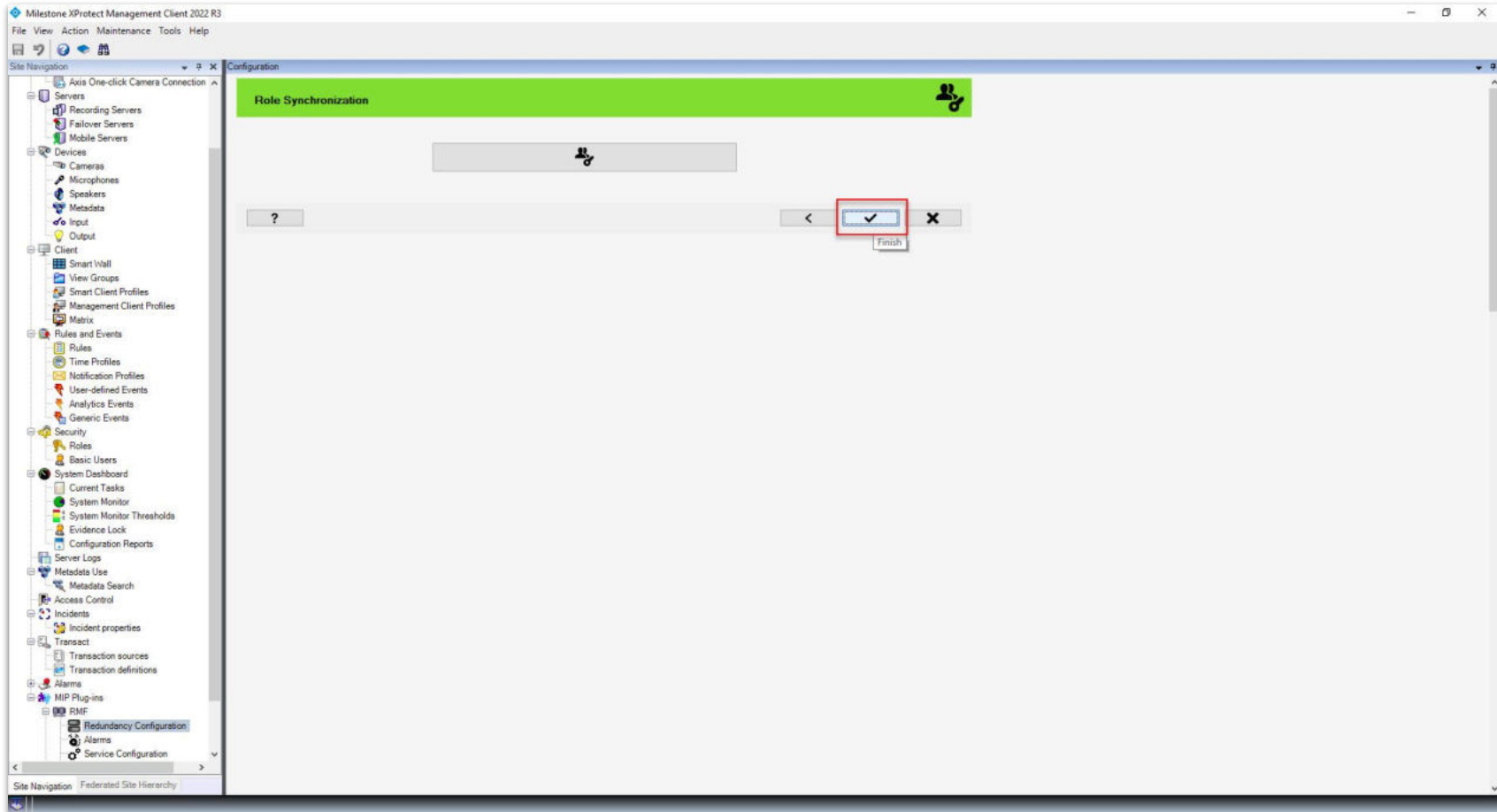
RMF Cameras	Progress	Status	Result
AXIS M3044-V Network Camera (172.16.0.3) - Camera 1	<div style="width: 100%;"></div>	Re-check	
AXIS M3044-V Network Camera (172.16.0.3) - Camera 2	<div style="width: 100%;"></div>	Re-check	
AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1	<div style="width: 100%;"></div>	Re-check	
ONVIF IP4DIR100 (172.16.0.12) - Camera 1	<div style="width: 100%;"></div>	Re-check	

Please wait while RMF synchronizes camera role settings across recording servers.

sales@vega25.com

**Step 38:** Re-checking or Syncing roles in progress.





**Step 40: Click Finish.**

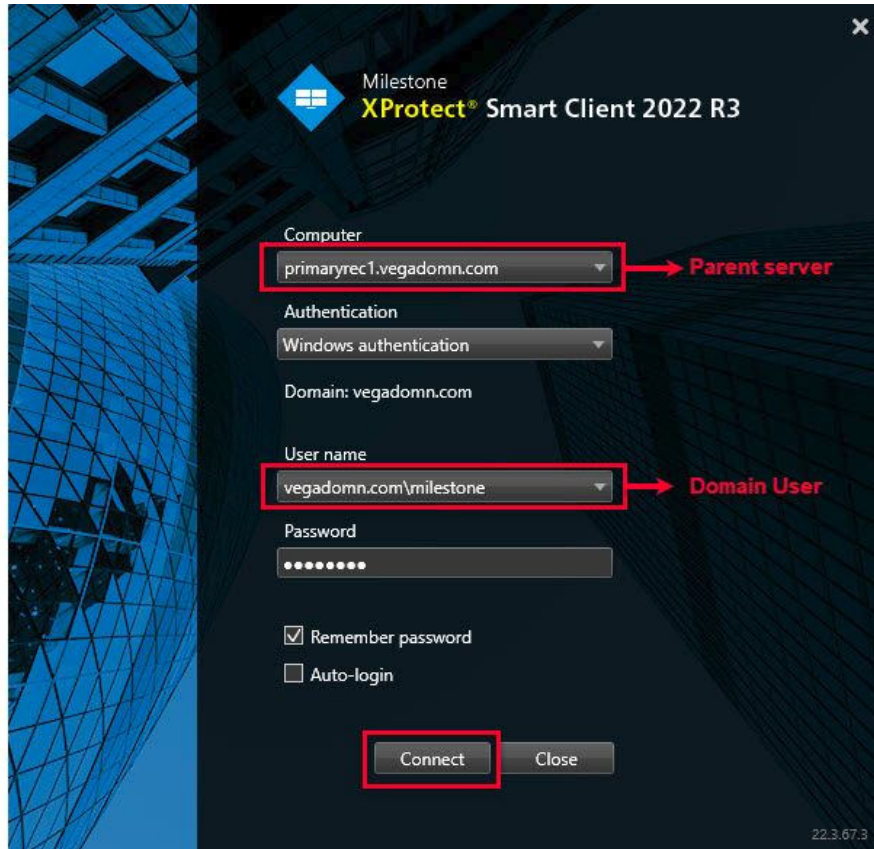


The image shows a software interface for Vega Systems Inc. RMF. At the top, a dialog box titled "Vega Systems Inc., RMF" contains an information icon and the text: "To apply the changes, please click on the 'Save' button located in the Milestone toolbar." Below this text is an "OK" button highlighted with a red and blue border. Below the dialog box is a screenshot of the "Milestone XProtect Management Client 2022 R3" application. The application window shows a "Configuration" pane on the right and a "Milestone" tree view on the left. A red circle highlights the "Save" button in the Milestone toolbar, which is also pointed to by a red arrow from the dialog box. The "Save" button is labeled "Save" and has a floppy disk icon.

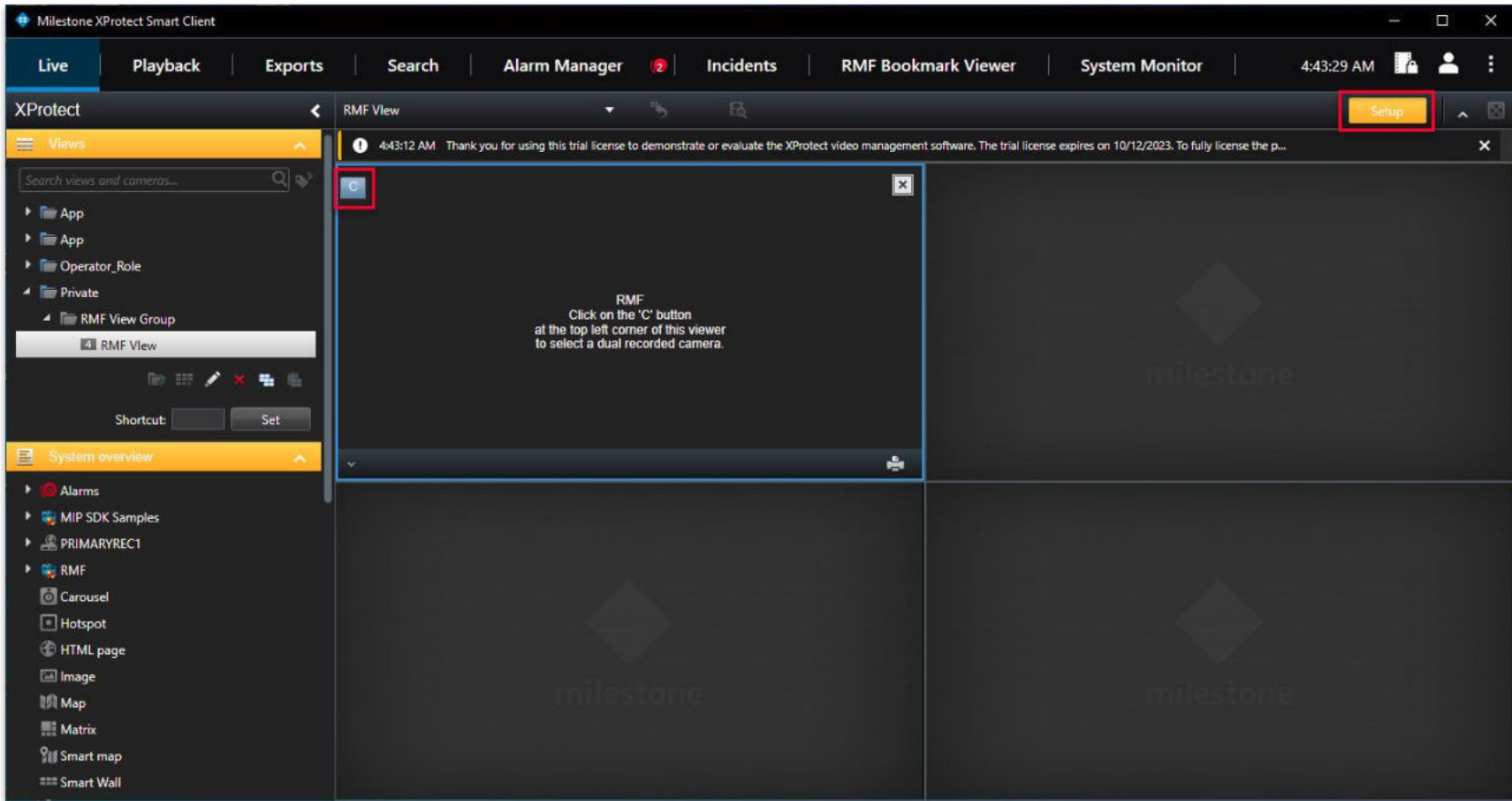
**Step 41:** Click **Save** to save the configuration.



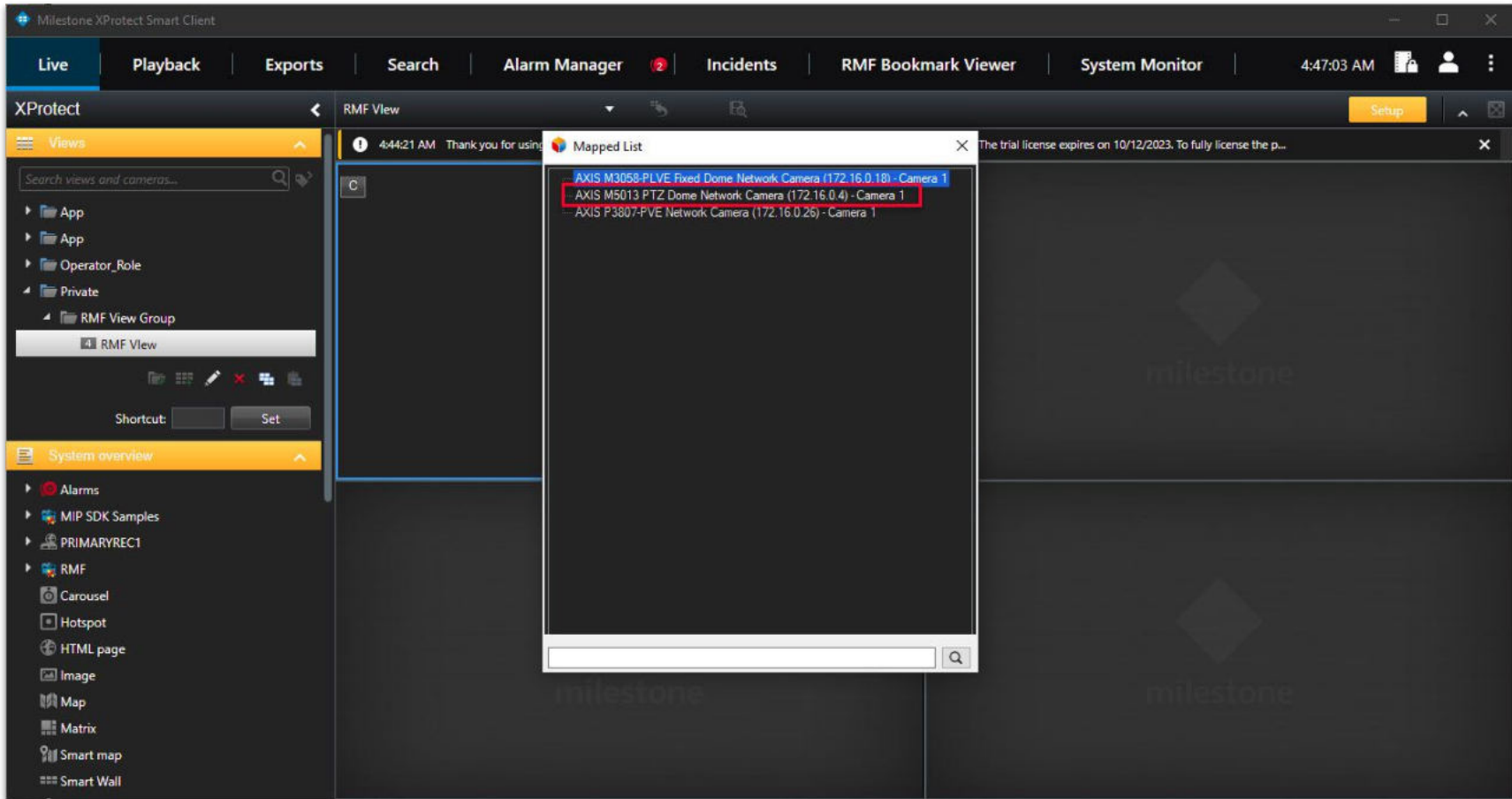
## **Verify streaming from the added camera (Smart Client)**



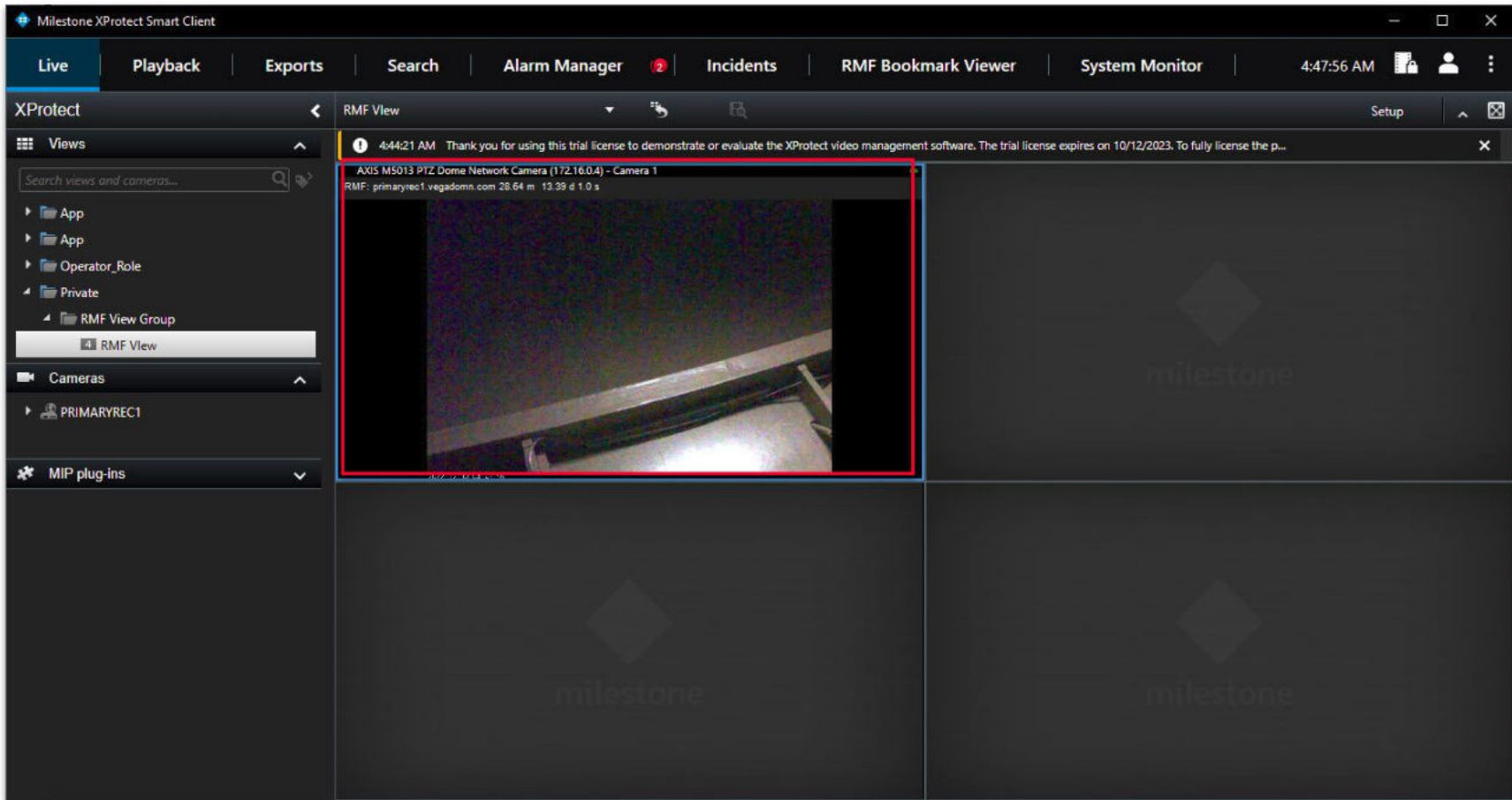
**Step 1:** Open the **Smart Client** to verify streaming from the newly added camera.  
**Login** into the **Parent Management Server** using domain admin user credentials.(Federated Deployments)  
**Login** into **Management Server** using admin user credentials (Non-Federated Deployments)



**Step 2:** 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.