

# RMF – Automatic Retrieval of Remote Recording

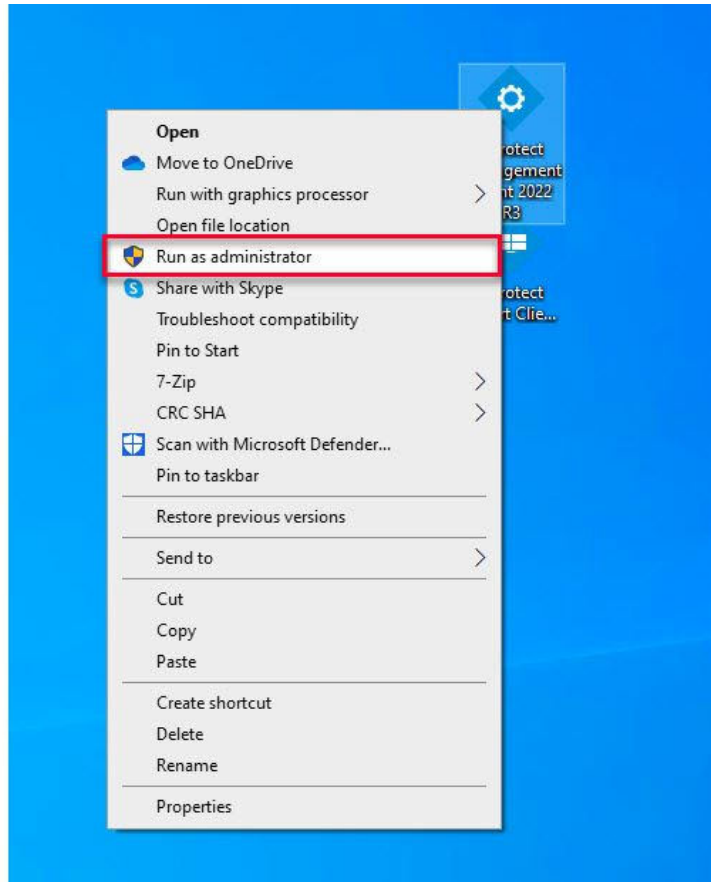
Vega Systems Inc.

01/20/2023

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



# Part 1: Enabling Automatic Retrieve Remote Recording (Parent / **Primary** Site)



**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

Management Server

**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)

The screenshot displays the Milestone XProtect Management Client 2022 R3 interface. On the left, the Site Navigation tree is visible, with 'Recording Servers' highlighted under the 'Servers' category. A red circle highlights the 'Recording Servers' folder in the tree, and a red arrow points from this circle to the 'Recording Servers' folder in the main content area. The main content area shows a list of recording servers under the 'Recording Servers' folder, including 'Primary-Rec2-V6', 'PRIMARYREC1', and several AXIS network cameras. The right-hand side of the interface shows the 'Properties' pane for the selected 'Recording Servers' folder, which is currently empty. The bottom of the interface shows the 'Preview' pane, which is also empty.

**Step 3:** Goto Servers → Recording Servers

The screenshot displays the Milestone XProtect Management Client 2022 R3 interface. The left sidebar shows a tree view of the system hierarchy, including Recording Servers, Devices, and various system settings. The main area is divided into three panes: Site Navigation, Recording Server, and Properties.

In the Recording Server pane, a list of cameras is shown under the filter 'Recording Servers'. The camera 'AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1' is highlighted with a red box. Below this list, a 'Record' button is circled in red.

The Properties pane on the right shows recording settings for the selected camera. The 'Recording' checkbox is checked, and the 'Pre-buffer' is set to 'Memory'. The 'Recording frame rate' is set to '5 FPS'. The 'Storage' section shows a table of storage locations:

Status	Database	Location	Used space
OK	Local default	C:\MediaDatabase	17.2 GB

Below the table, the 'Total used space' is 17.2 GB. A 'Remote recordings' section at the bottom has a checkbox for 'Automatically retrieve remote recordings when connection is restored', which is currently unchecked.

**Step 4:** Select a camera for which automatic retrieval is to be enabled.  
Goto **Record** tab as shown in the above image.

The screenshot displays the Milestone XProtect Management Client 2022 R3 interface. The left sidebar shows a tree view of the site hierarchy, including Recording Servers, Devices, Client, Rules and Events, Security, and Alarms. The main area shows the configuration for a Recording Server, with the 'Recording' section expanded. The 'Recording' checkbox is checked, and the 'Pre-buffer' section is also expanded. The 'Pre-buffer' section has 'Location' set to 'Memory' and 'Time' set to 3 seconds. The 'Recording frame rate' section has 'JPEG' set to 5 FPS and 'MPEG-4/H.264/H.265' checked. The 'Storage' section is also visible, showing a table of storage locations.

Database	Location	Used space
Local default	C:\MediaDatabase	17.2 GB

The 'Total used space' is 17.2 GB. There is a 'Delete all recordings' button and a 'Refresh' icon.

A dialog box is overlaid on the interface, containing the following text:

Milestone XProtect Management Client 2022 R3

**i** When you enable this feature, your system retrieves remote recordings from devices when the connection to them has been broken and then reestablished. You must configure remote recordings on the hardware homepage or interconnected system for the devices, so the recordings are available for retrieval.

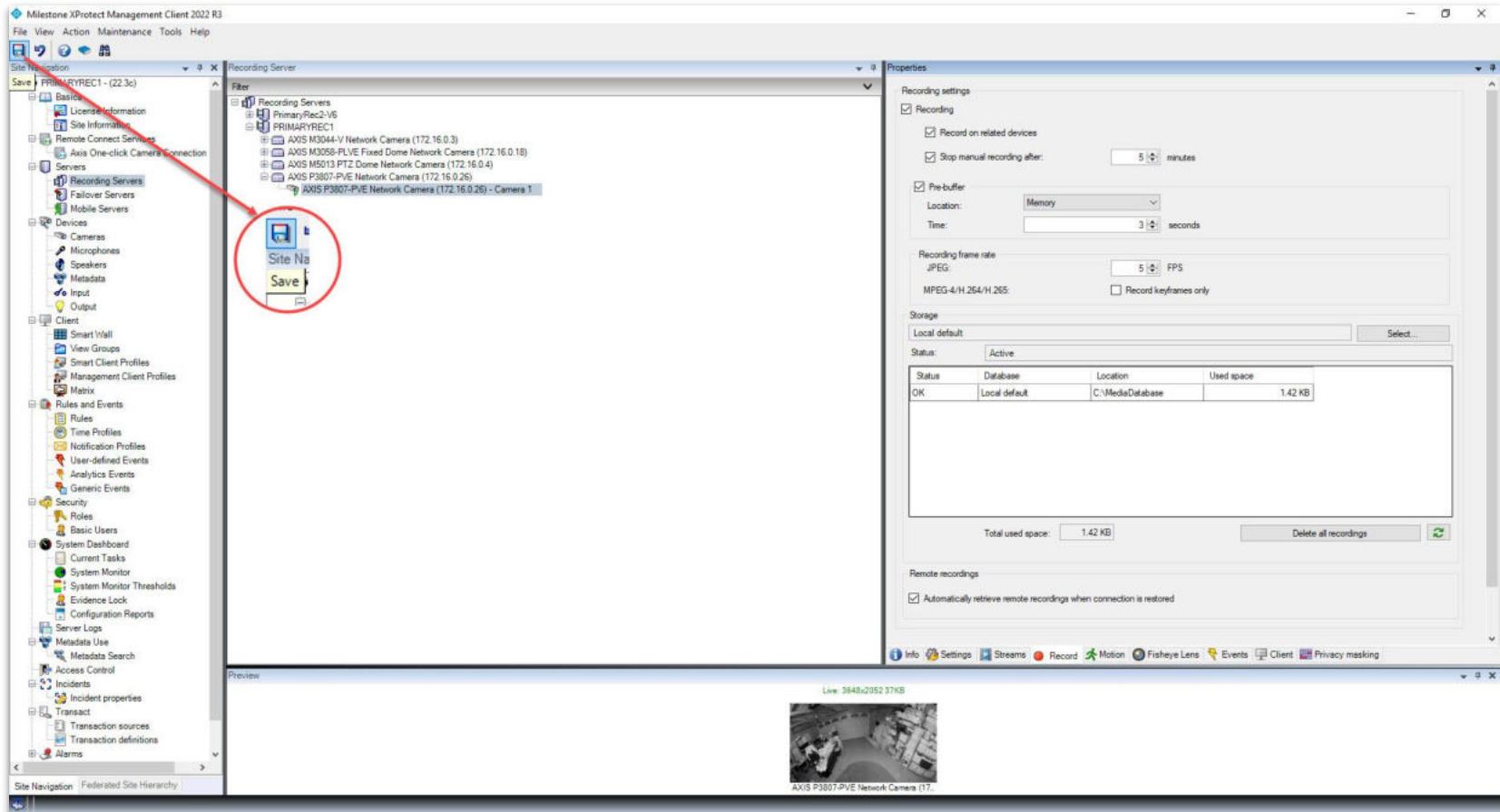
Do not show this message again

**OK**

The 'Automatically retrieve remote recordings when connection is restored' checkbox is checked in the 'Remote recordings' section of the configuration panel.

**Step 5:** Select the option **Automatically retrieve remote recordings when connection is restored.**

Click **OK**.

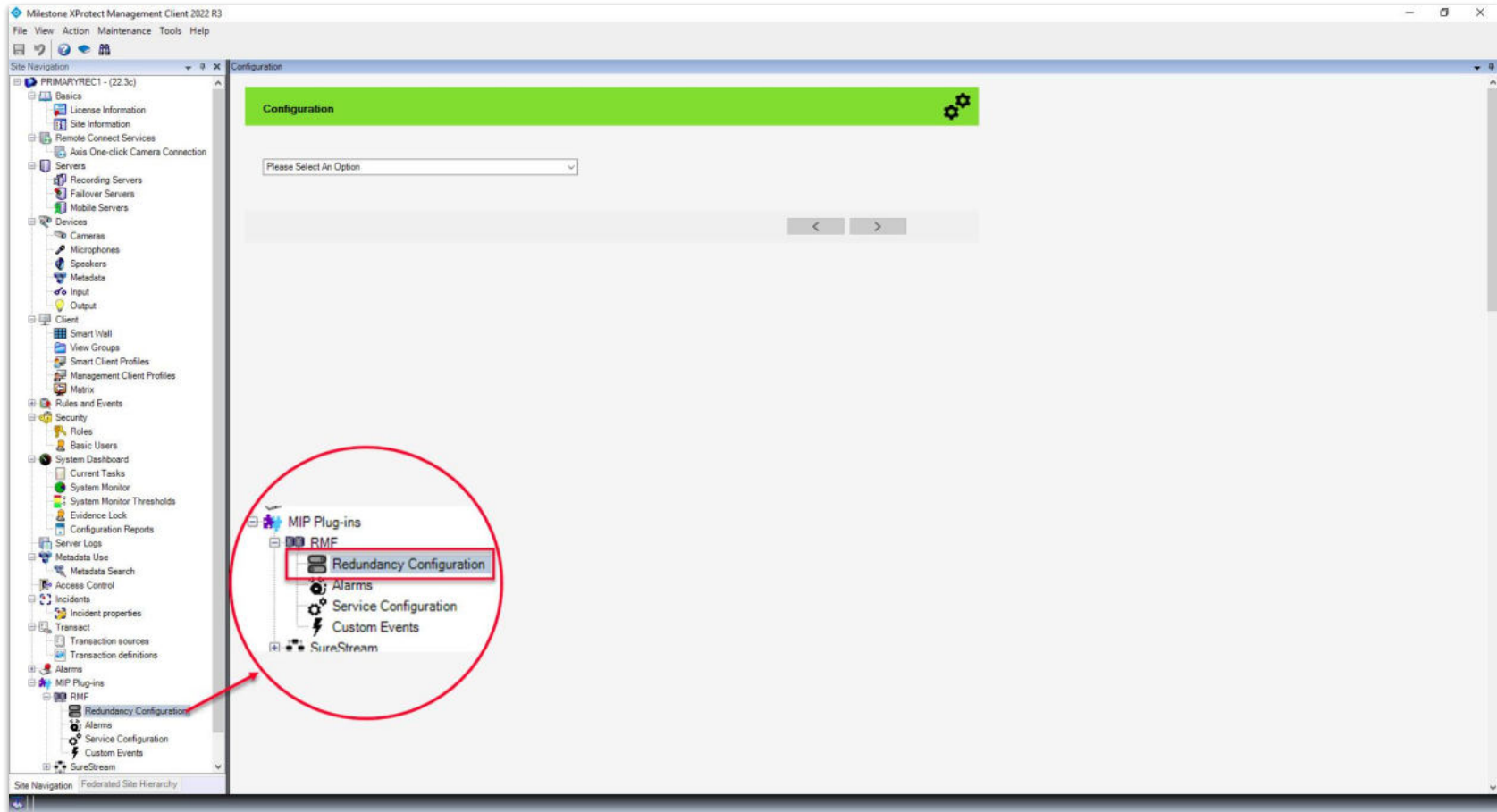


**Step 6:** Click **Save** to save the changes.  
Repeat the process for all the necessary cameras.

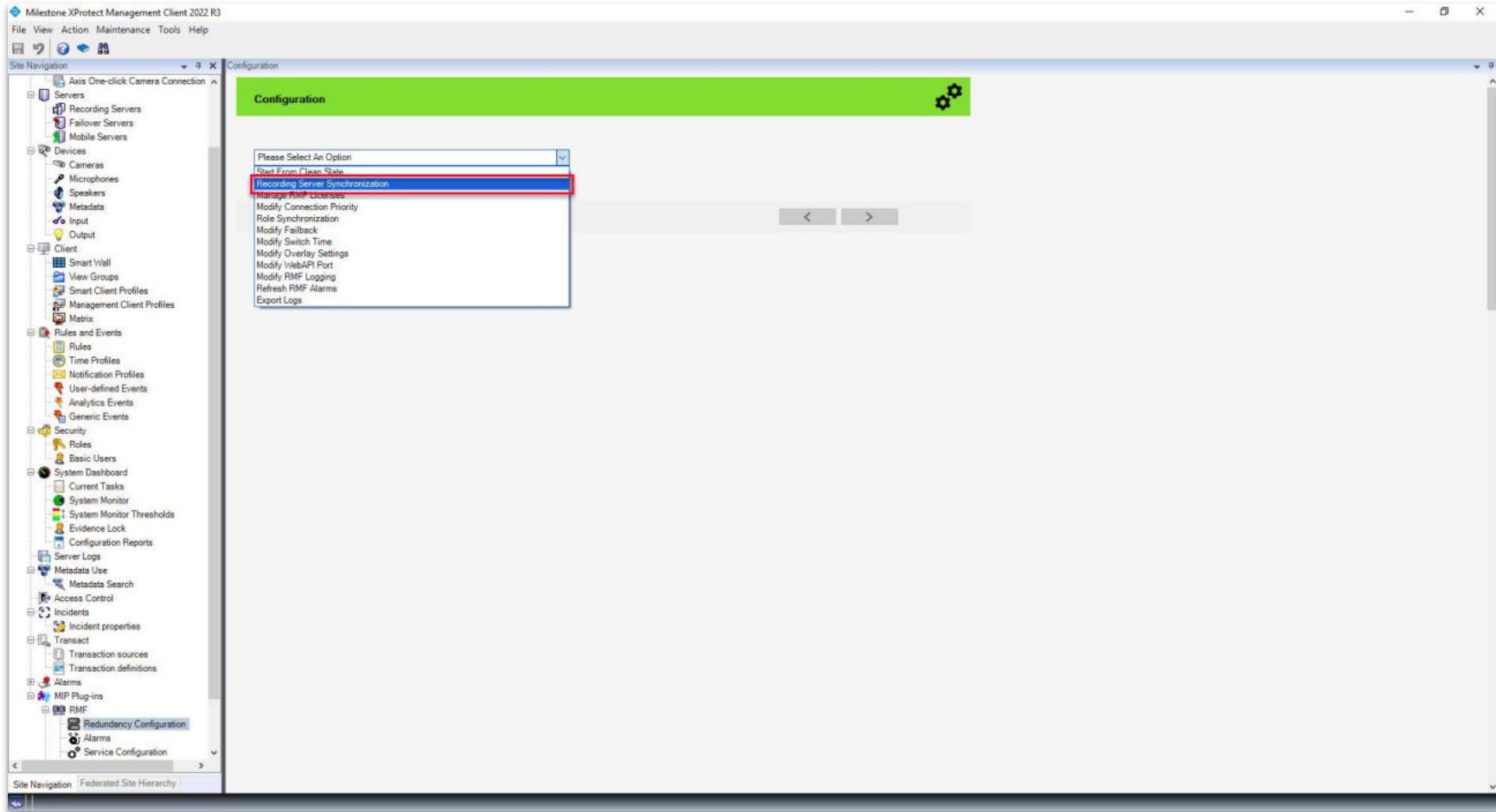




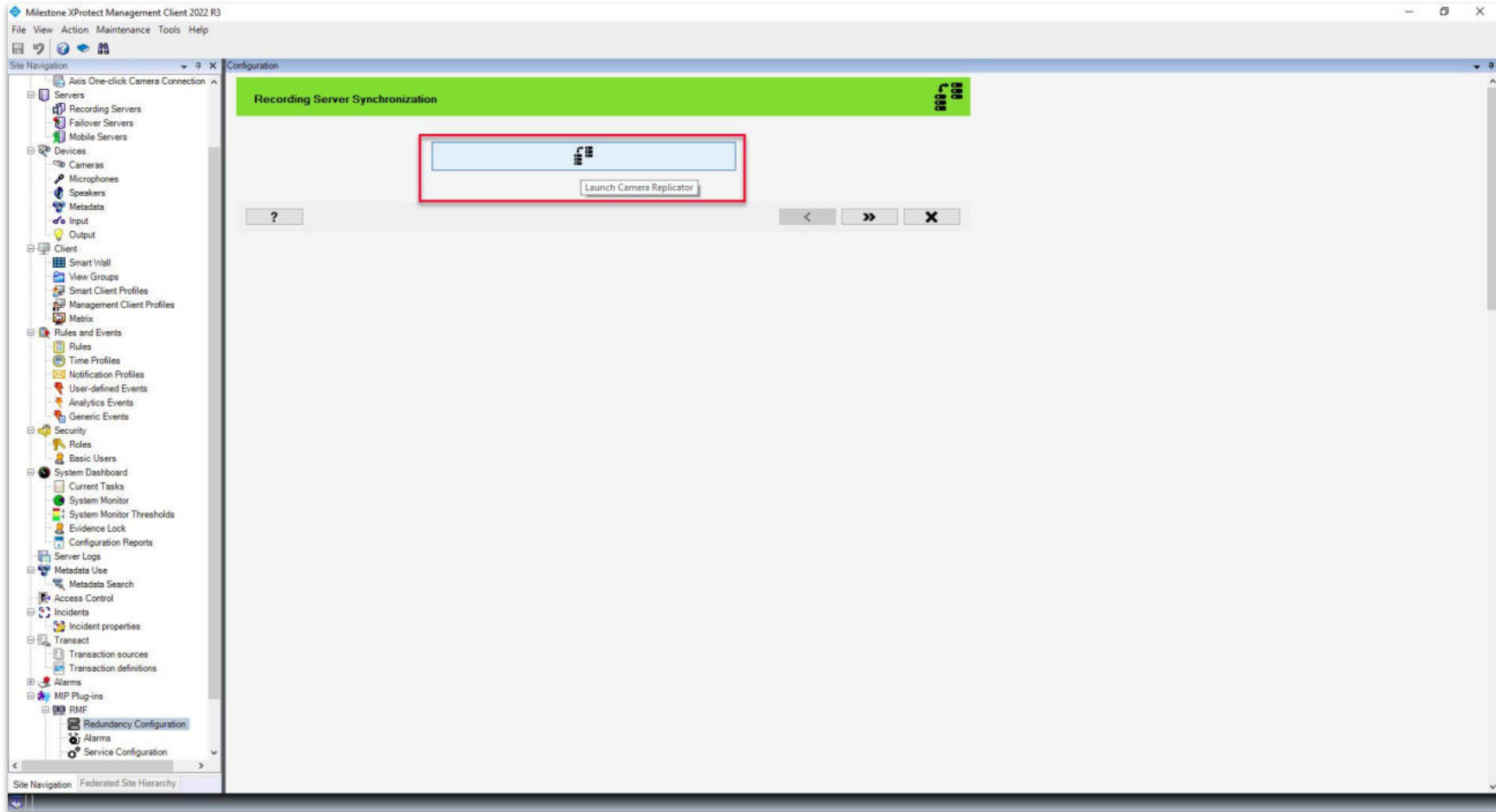
## **Part 2: Enabling Automatic Retrieve Remote Recording RMF Camera Replicator**



**Step 1:** Select the **RMF plugin** from **Site Navigation** → **MIP Plugins**.  
**Expand RMF** and select **Redundancy Configuration**

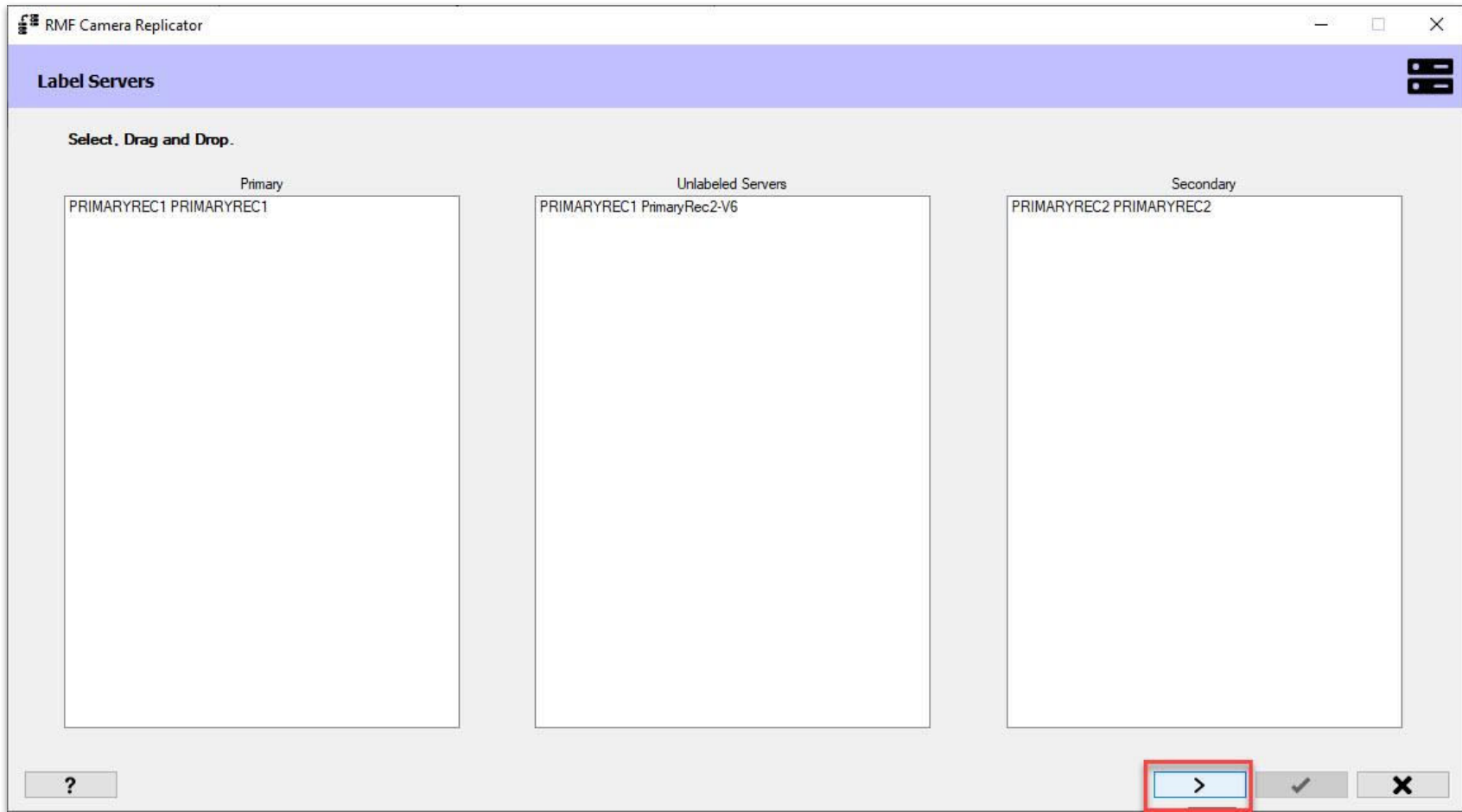


**Step 2:** Choose **Recording Server Synchronization** from the list.

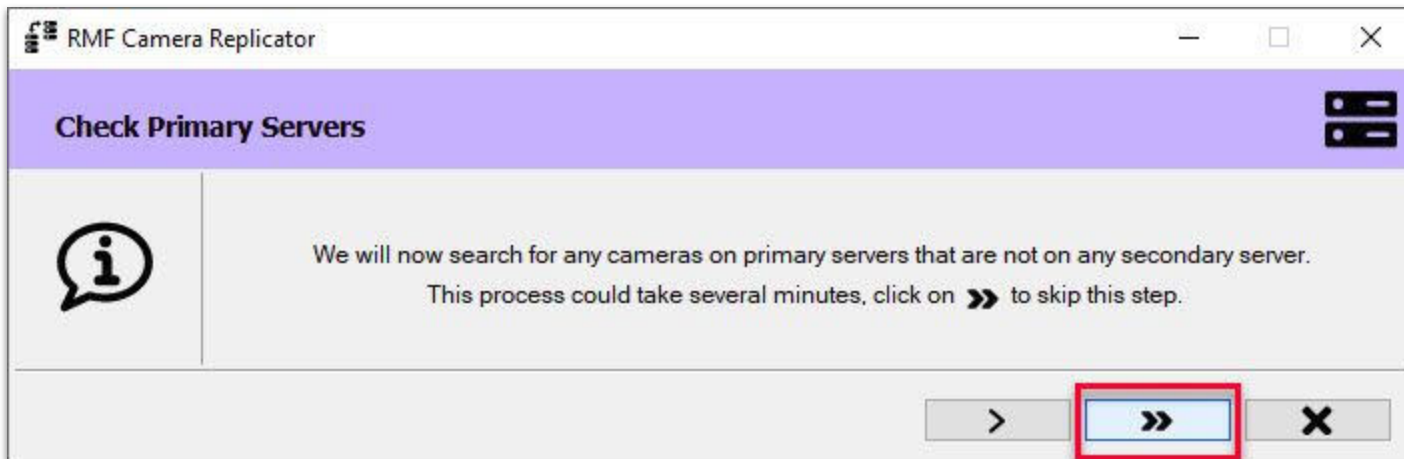


**Step 3**: Click the **Launch Camera Replicator** button.

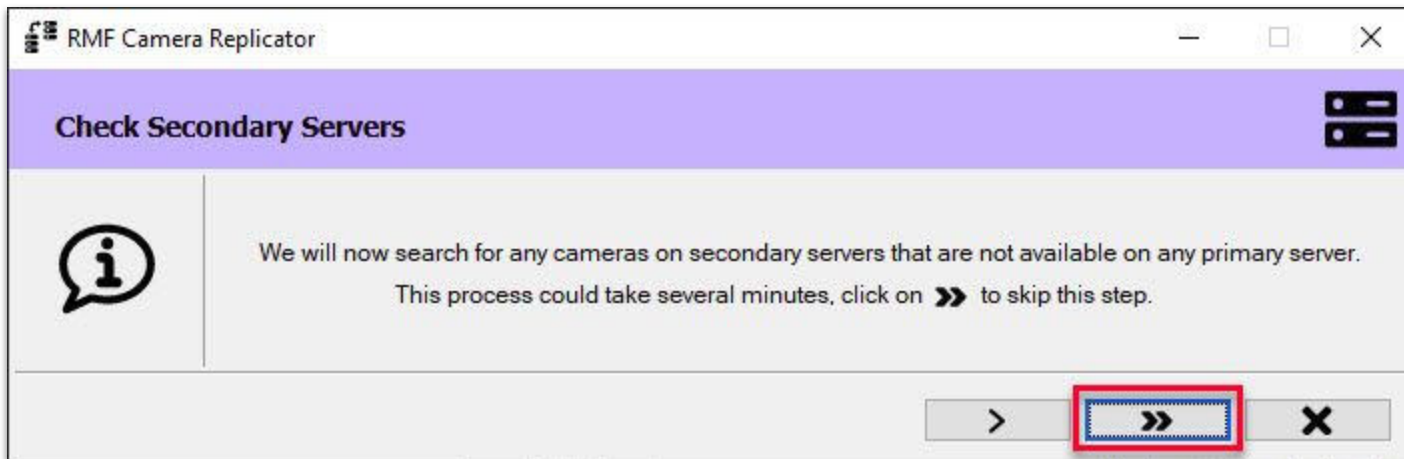
**Step 4:** Login into the **Parent Management Server** as a domain user with admin privileges. (Federated Deployments)  
Login into the **Management Server** as a user with admin privileges. (Non-Federated Deployments)



**Step 5: Click Next.**

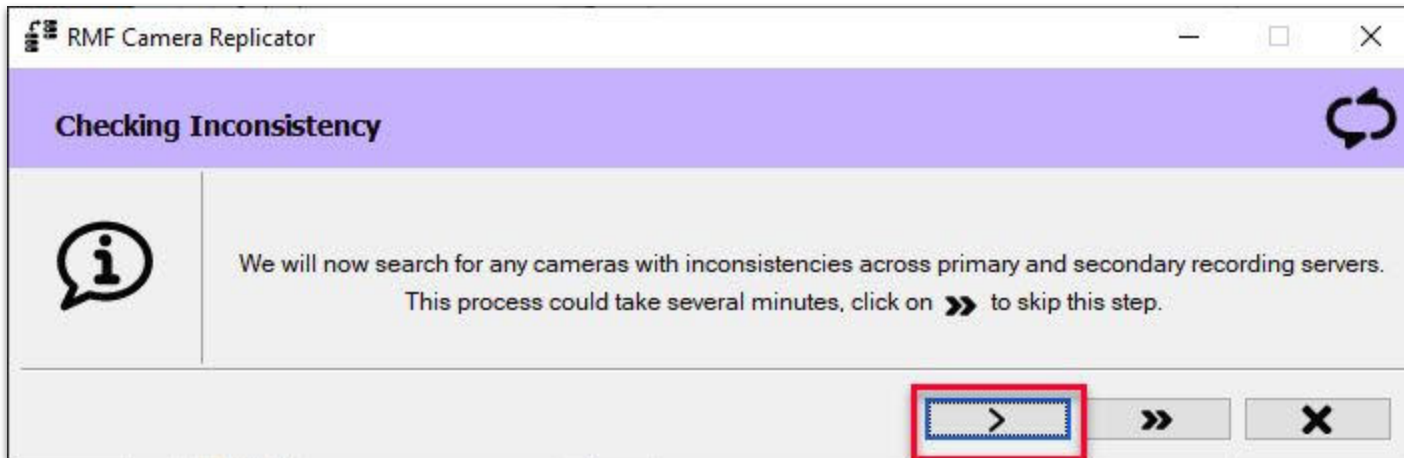


**Step 6:** Click **Skip** to skip finding cameras on the parent (primary) server that are not on the child (secondary) server.

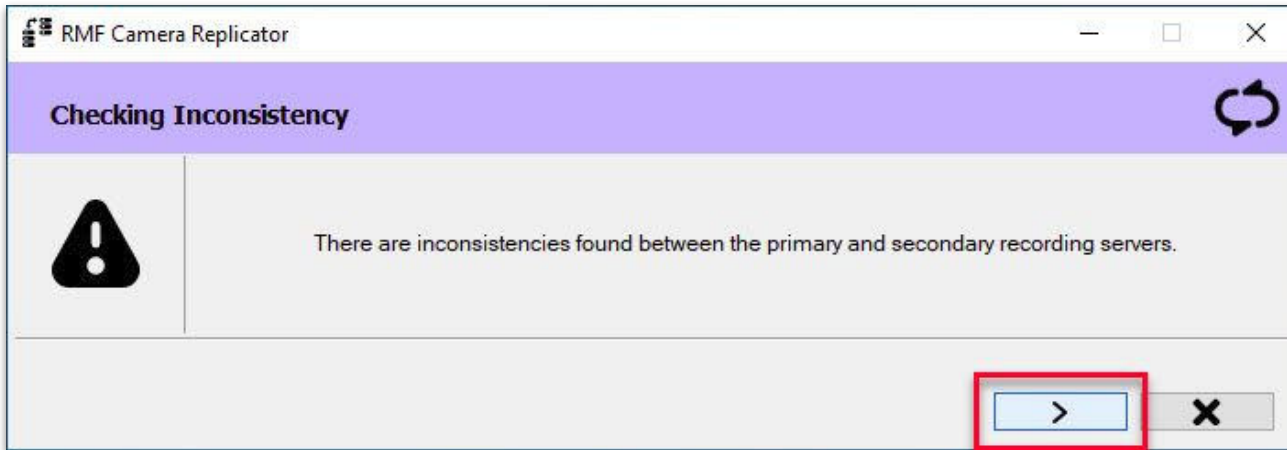
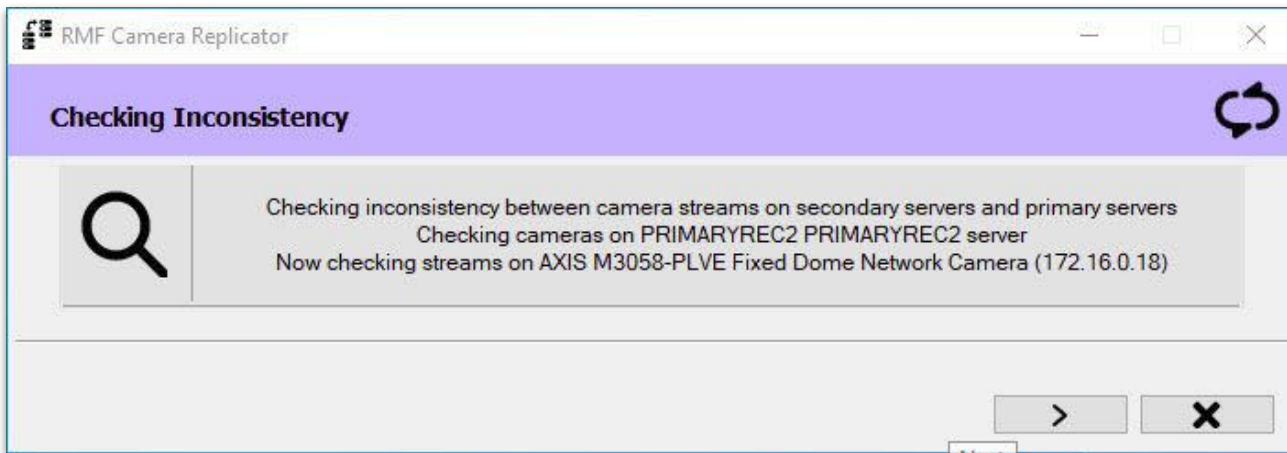


**Step 7:** Click **Skip** to skip finding cameras on the child (**secondary**) server that are not on the parent (**primary**) site.

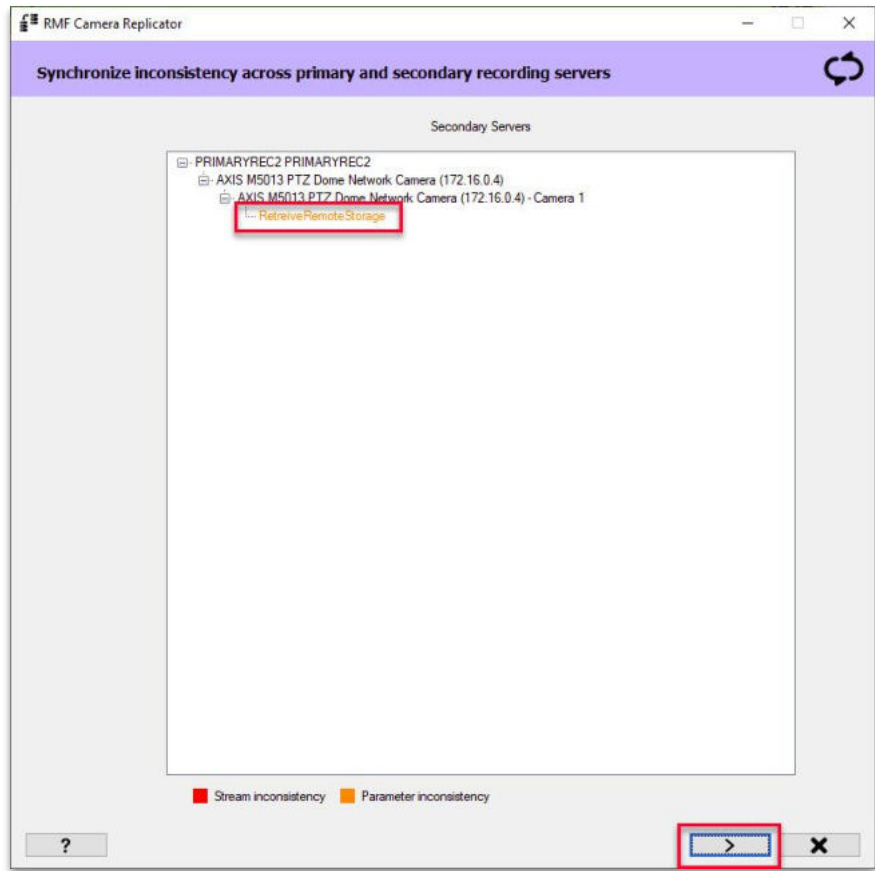




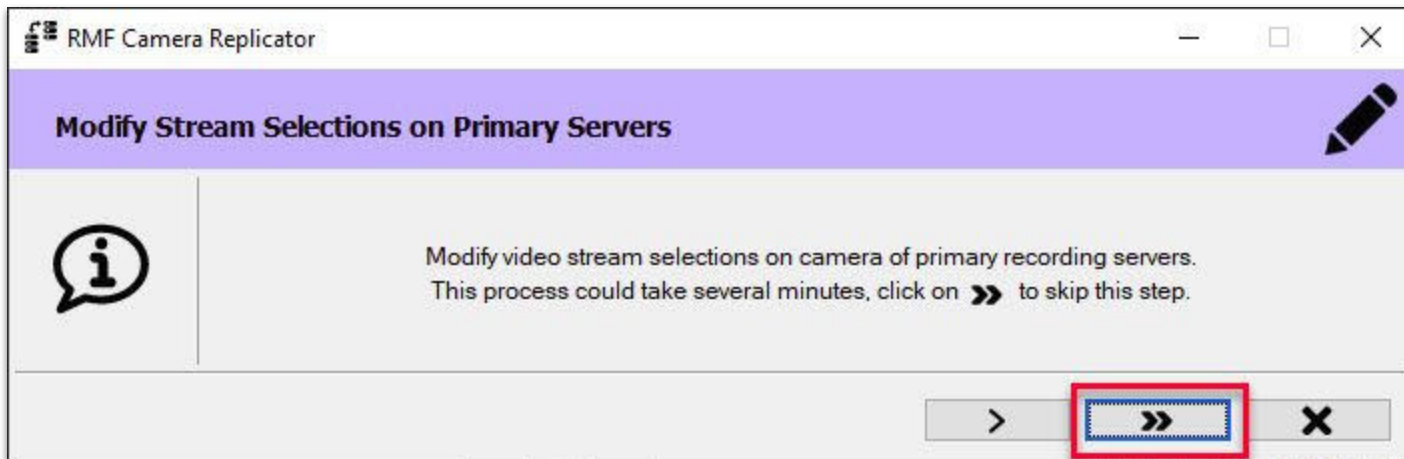
**Step 8:** Click **Next** to find inconsistencies across the parent (**primary**) and child (**secondary**) site cameras.



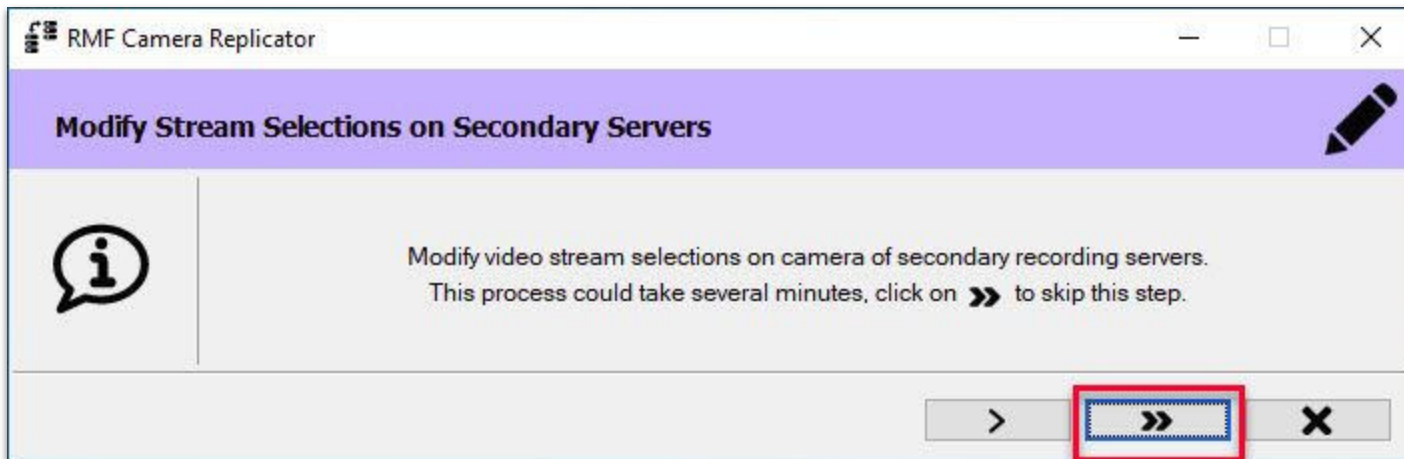
**Step 9:** Click **Next** to list the cameras that are inconsistent.



**Step 10:** Inconsistent Cameras are listed along with the type of inconsistency. In this scenario, automatic edge recording retrieval is not enabled for the camera at the child (secondary) site. RMF automatically detects all such cameras. Click **Next**.



**Step 11:** Click **Skip** to skip stream definition modifications for the cameras on the parent ([primary](#)) site.



**Step 12:** Click **Skip** to skip stream definition modifications for the cameras on the child ([secondary](#)) site.

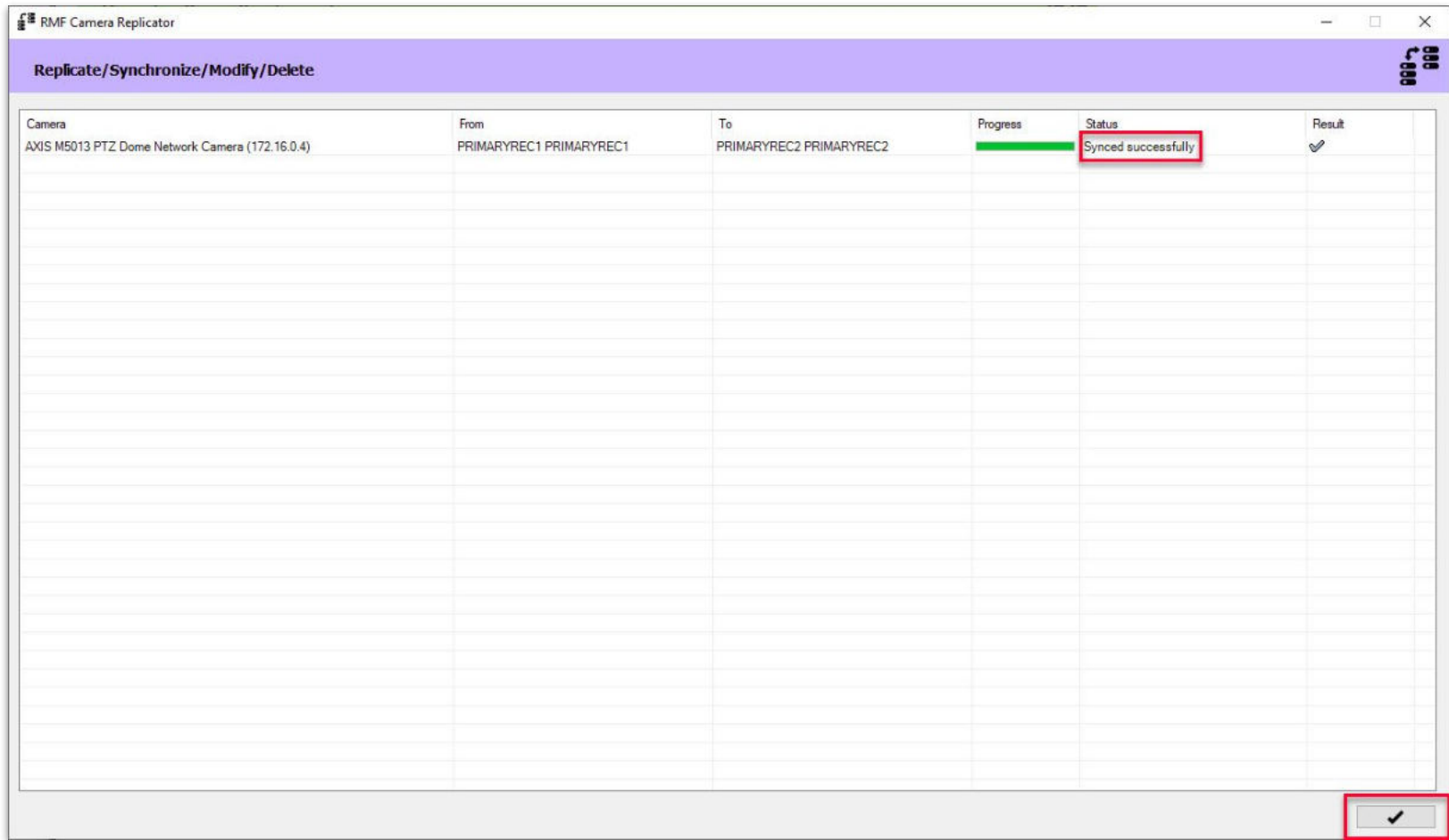
RMF Camera Replicator

Replicate/Synchronize/Modify/Delete

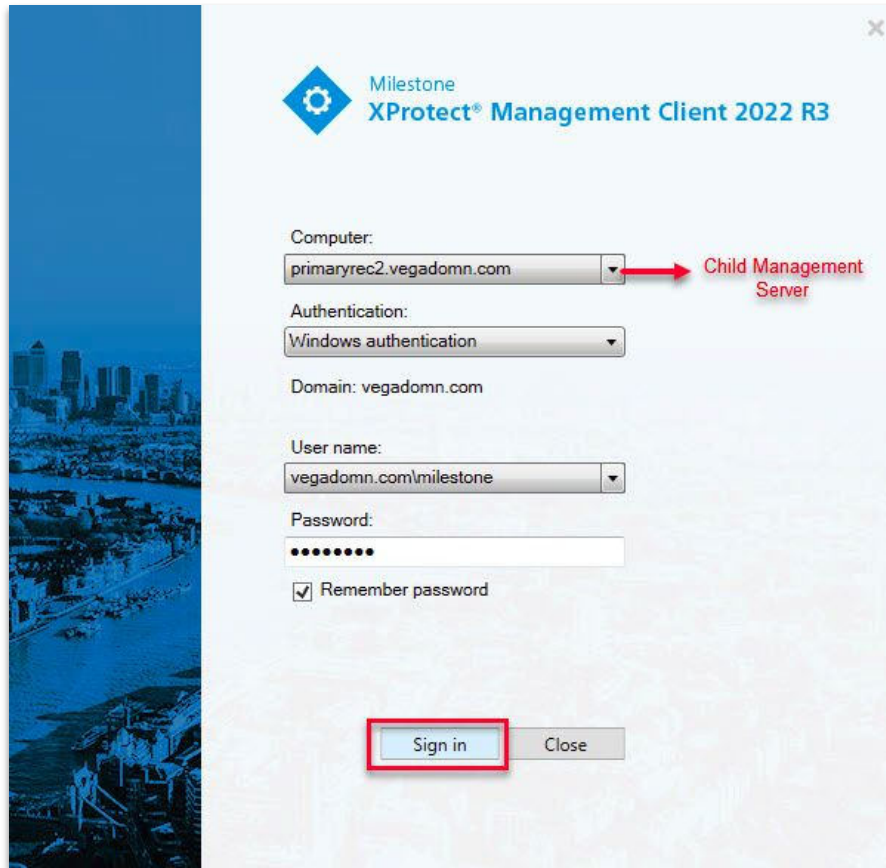
Camera	From	To	Status	Result
AXIS M5013 PTZ Dome Network Camera (172.16.0.4)	PRIMARYREC1 PRIMARYREC1	PRIMARYREC2 PRIMARYREC2	To be synced	

Replicate

**Step 13:** Click **Replicate** to start the replication of the camera to **sync the camera properties**.



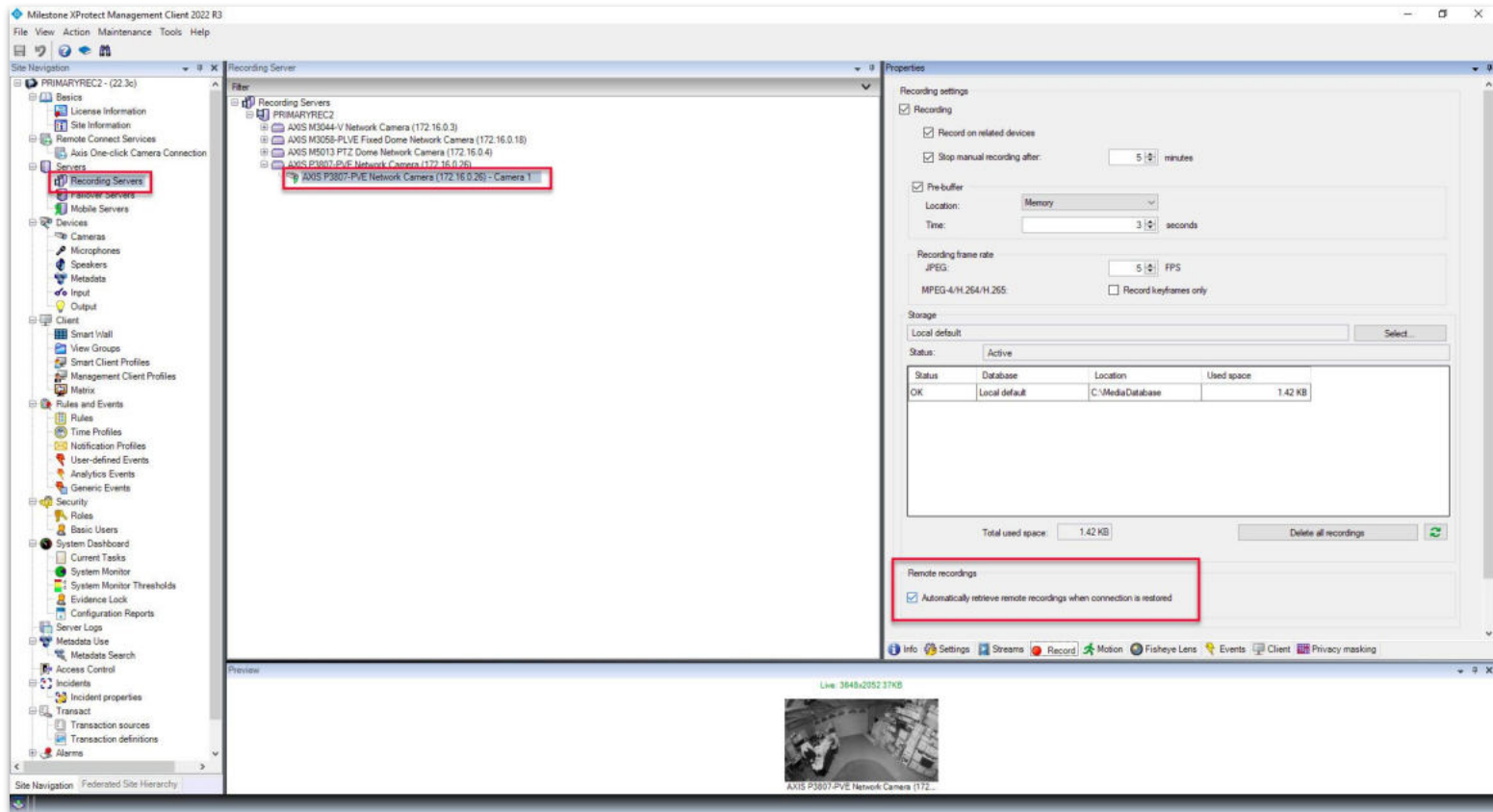
**Step 14**: Click **Finish** after the synchronization is complete.



**Verification Step:** Login into the **child** management server as domain user with admin privileges.

**Note:** Skip this step, if non-federated deployment





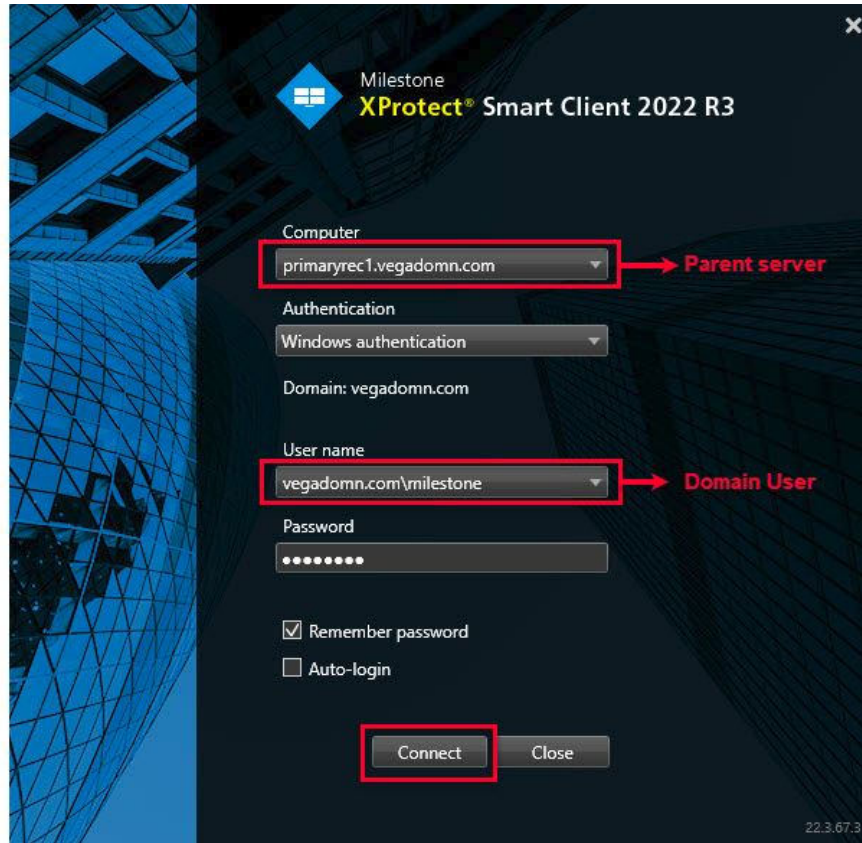
**Verification Step:** Goto **Servers** → **Recording Servers**.

Select the replicated camera and select **Record**. Verify the **Automatically retrieve remote recordings when connection is restored** is selected in the child (secondary) site.

**Note:** Select Secondary Recording Server, if non-federated deployment.



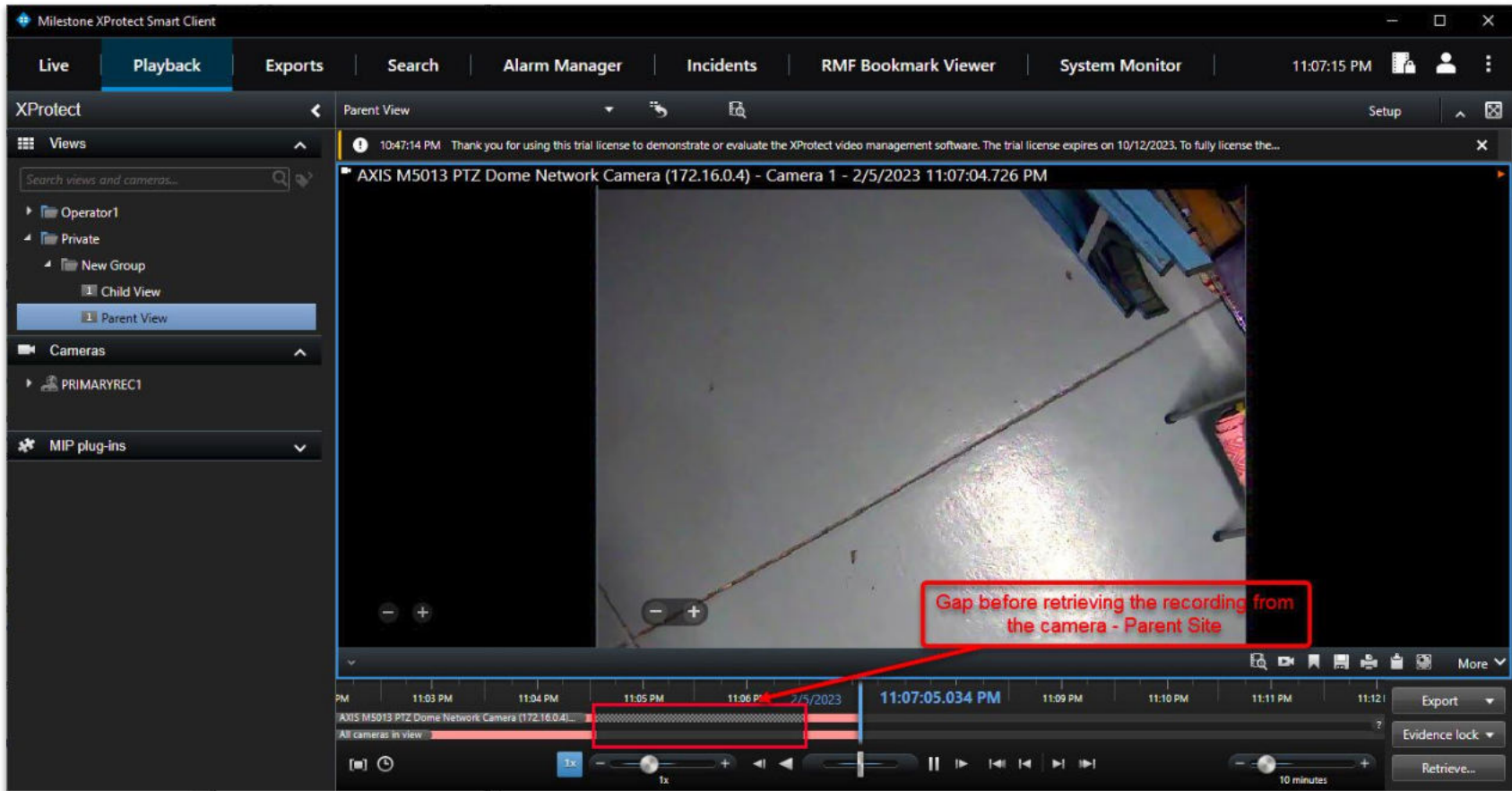
## **Part 3: Automatic Retrieve Remote Recording on the Smart Client**



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

**Login** into the **Parent Management Server** using domain user credentials.(Federated Deployments)

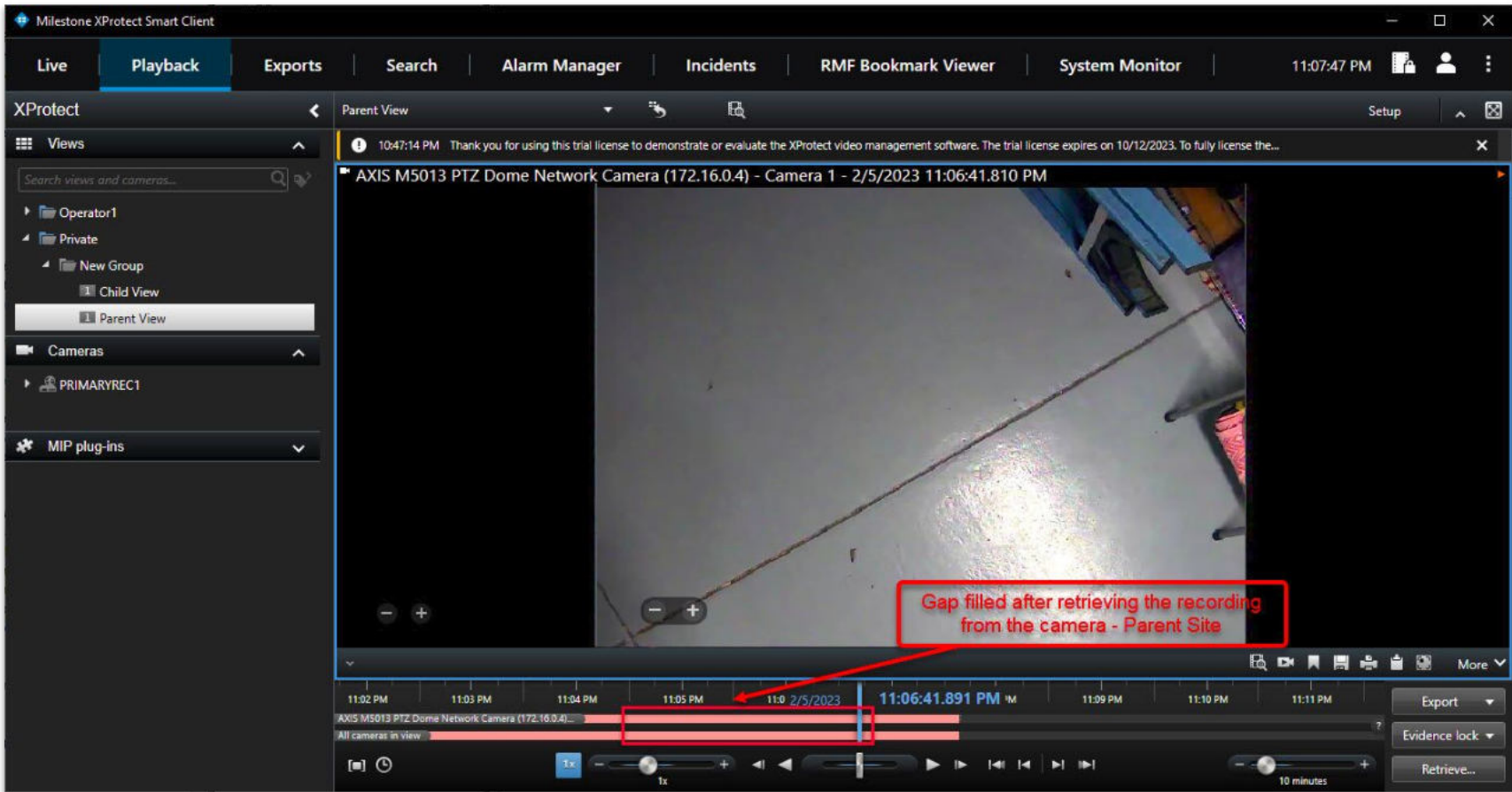
**Login** into **Management Server** (Non-Federated Deployments)



**Step 6:** Gap in the timeline before auto recording retrieval for the camera on the parent (primary) recording server.  
(After recording on the parent (primary) recording server is resumed)

The screenshot displays the Milestone XProtect Smart Client interface in Playback mode. The main window shows a video feed from an AXIS M5013 PTZ Dome Network Camera. A red box highlights a gap in the video recording on the timeline, with a callout text that reads: "Gap before retrieving the recording from the camera - Child Site". The timeline below the video shows a gap between 11:07:29.289 PM and 11:09:00 PM. The interface includes a left sidebar with navigation options like Views, Cameras, and MIP plug-ins, and a top menu with options like Live, Playback, Exports, Search, Alarm Manager, Incidents, RMF Bookmark Viewer, and System Monitor.

**Step 7:** Gap in the timeline before auto recording retrieval for the camera on the child (secondary) recording server.  
(After recording on the child (secondary) recording server is resumed)



**Step 8:** Video is automatically retrieved from the edge(camera) onto the parent (primary) recording server. The gap is filled in the updated timeline.

The screenshot displays the Milestone XProtect Smart Client interface in the Playback mode. The top navigation bar includes 'Live', 'Playback', 'Exports', 'Search', 'Alarm Manager', 'Incidents', 'RMF Bookmark Viewer', and 'System Monitor'. The current time is 11:07:56 PM. The main window shows a video feed from an 'AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1' recorded on 2/5/2023 at 11:06:42.272 PM. A red box highlights a gap in the video feed, with a red arrow pointing to a text box that reads 'Gap filled after retrieving the recording from the camera - Child Site'. Below the video, a timeline shows the recording duration from 11:02 PM to 11:11 PM. A red box highlights a gap in the timeline at 11:06:42.676 PM, with a red arrow pointing to the same text box. The playback controls at the bottom include a play/pause button, a 1x speed control, and a 10-minute scrubber.

**Step 9:** Video is automatically retrieved from the edge(camera) onto the child (secondary) recording server also. The gap is filled in the updated timeline.

