



# RMF – Add a High Availability Alarm

Vega Systems Inc.

03/14/2023

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

# Part 1

## RMF Alarm Service Configuration



Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation

- Recording Servers
- Failover Servers
- Mobile Servers
- Devices
  - Cameras
  - Microphones
  - Speakers
  - Metadata
  - Input
  - Output
- Client
  - Smart Wall
  - View Groups
  - Smart Client Profiles
  - Management Client Profiles
  - Matrix
- Rules and Events
  - Rules
  - Time Profiles
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  - User-defined Events
  - Analytics Events
  - Generic Events
- Security
  - Roles
  - Basic Users
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  - Current Tasks
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  - Evidence Lock
  - Configuration Reports
- Server Logs
- Metadata Use
  - Metadata Search
  - Metadata Search
- Access Control
- Incidents
  - Incident properties
- Transact
  - Transaction sources
  - Transaction definitions
- Alarms
  - MIP Plug-ins
    - RMF
      - Redundancy Configuration
      - Alarms
      - Service Configuration**
      - Custom Events
    - SureStream
    - MIP SDK Samples

Configuration

### Alarm Service Configuration

Service Status : Running

Login Settings | Logs | Service Control

Username : NT AUTHORITY\Network.Serv

Password :  Update

Note :

- The Management Client should be started in administrator mode to change service states and/or service credentials.
- Requires domain user for federated site(s).
- Change in login/password account is not required in most cases.

**Step 3:** Goto MIP Plugins → RMF → **Service Configuration**

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation

Configuration

### Alarm Service Configuration

Service Status : Running

Logon Settings | Logs | Service Control

Username: NT AUTHORITY\Network.Serv

Password: [redacted] Update

Note:

- The Management Client should be started in administrator mode to change service states and/or service credentials.
- Requires domain user for federated site(s).
- Change in login/password account is not required in most cases.

Site Navigation Federated Site Hierarchy



**Step 4:** Goto **Logon Settings** tab. **RMF Alarm Service Running Status** can be viewed as shown above. Update the username and password for the service logon. It is optional to change the credentials in most cases.

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

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    - MIP SDK Samples

Federated Site Hierarchy

Configuration

### Alarm Service Configuration

Service Status : Running

Logon Settings: **Logs** Service Control

```
Connected to event server of primaryec2.vegadomn.com - 12/26/2022 10:08:04 AM
Disconnected from event server of primaryec2.vegadomn.com - 12/26/2022 10:07:37 AM
RMF Configuration reloaded - 12/24/2022 11:54:47 PM
RMF configuration changed - 12/24/2022 11:54:47 PM
RMF Configuration reloaded - 12/24/2022 11:53:46 PM
RMF configuration changed - 12/24/2022 11:53:46 PM
RMF Configuration reloaded - 12/24/2022 11:48:45 PM
RMF configuration changed - 12/24/2022 11:48:45 PM
RMF Configuration reloaded - 12/24/2022 11:41:44 PM
RMF configuration changed - 12/24/2022 11:41:44 PM
Connected to event server of localhost - 12/22/2022 12:43:28 AM
Disconnected from event server of localhost - 12/22/2022 12:43:21 AM
RMF Configuration reloaded - 12/20/2022 10:32:01 PM
RMF configuration changed - 12/20/2022 10:32:00 PM
RMF Configuration reloaded - 12/20/2022 11:07:10 AM
RMF configuration changed - 12/20/2022 11:07:09 AM
RMF Configuration reloaded - 12/20/2022 11:06:09 AM
RMF configuration changed - 12/20/2022 11:06:09 AM
RMF Configuration reloaded - 12/20/2022 10:52:08 AM
RMF configuration changed - 12/20/2022 10:52:08 AM
```

Refresh



**Step 5:** Goto **Logs** tab to view RMF Alarm logs.  
Click **Refresh RMF Alarm Logs** to fetch the latest logs.

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation Configuration

Recording Servers  
Failover Servers  
Mobile Servers  
Devices  
Cameras  
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Analytics Events  
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System Monitor Thresholds  
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MP Plug-ins  
RMF  
Redundancy Configuration  
Alarms  
Service Configuration  
Custom Events  
SureStream  
MIP SDK Samples

### Alarm Service Configuration

Service Status : Running

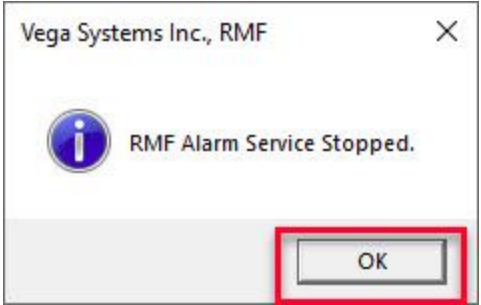
Logon Settings Logs **Service Control**

The Management Client should be started in administrator mode to change service states and/or service credentials.

Start RMF Alarm Service (highlighted)  
Stop RMF Alarm Service

**Step 6:** Goto the **Service Control** tab to view **Start/Stop/Restart/Clear** RMF Alarm.  
Click **Stop RMF Alarm Service** to stop the RMF Alarm service.

Stopping. Please wait...



**Step 7: Stopped the RMF Alarm service. Click **OK**.**

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation Configuration

PRIMARYREC1 - (22.3c)





- Basics
  - License Information
  - Site Information
- Remote Connect Services
  - Axis One-click Camera Connection
- Servers
  - Recording Servers
  - Failover Servers
  - Mobile Servers
- Devices
  - Cameras
  - Microphones
  - Speakers
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  - MP Plug-ins

### Alarm Service Configuration

Service Status : Stopped

Logon Settings Logs Service Control

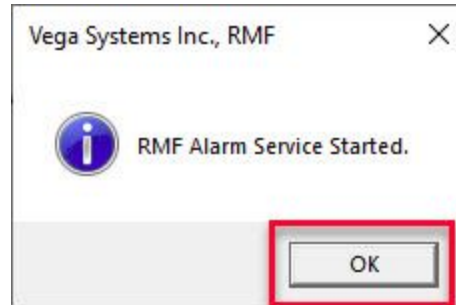
The Management Client should be started in administrator mode to change service states and/or service credentials.



**Step 8:** Click **Start RMF Alarm Service** to start the RMF Alarm service.



Starting. Please wait...



**Step 9**: Started the RMF Alarm Service. Click **OK**.

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation Configuration


Failover Servers  
Mobile Servers  
Devices  
Cameras  
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MIP SDK Samples

### Alarm Service Configuration

Service Status : Running

Logon Settings Logs Service Control

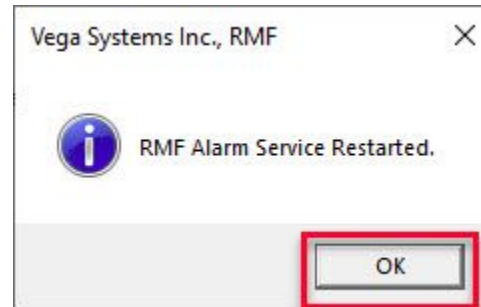
The Management Client should be started in administrator mode to change service states and/or service credentials.



The image shows a screenshot of the Milestone XProtect Management Client interface. On the left is a 'Site Navigation' tree with various system components. The 'Alarms' section is expanded, and 'Service Configuration' is selected. The main window displays the 'Alarm Service Configuration' page. At the top, it shows 'Service Status : Running'. Below this are tabs for 'Logon Settings', 'Logs', and 'Service Control'. A message states: 'The Management Client should be started in administrator mode to change service states and/or service credentials.' In the center, there are four buttons: a stop button, a restart button (highlighted with a red box), a refresh button, and a help button.

**Step 10:** Click **Restart RMF Alarm Service** to restart the RMF Alarm service.

Restarting, Please wait...



**Step 11: Restarted** the RMF Alarm Service. Click **OK**.

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation Configuration

Axis One-click Camera Connection

Servers

- Recording Servers
- Failover Servers
- Mobile Servers

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Metadata Use

- Metadata Search

Access Control

Incidents

- Incident properties

Transact

- Transaction sources
- Transaction definitions

Alarms


- MP Plug-ins
- RMF
  - Redundancy Configuration
  - Alarms
  - Service Configuration
  - Custom Events

### Alarm Service Configuration

Service Status : Running

Logon Settings Logs Service Control

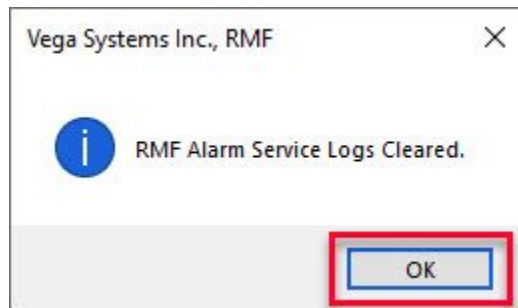
The Management Client should be started in administrator mode to change service states and/or service credentials.



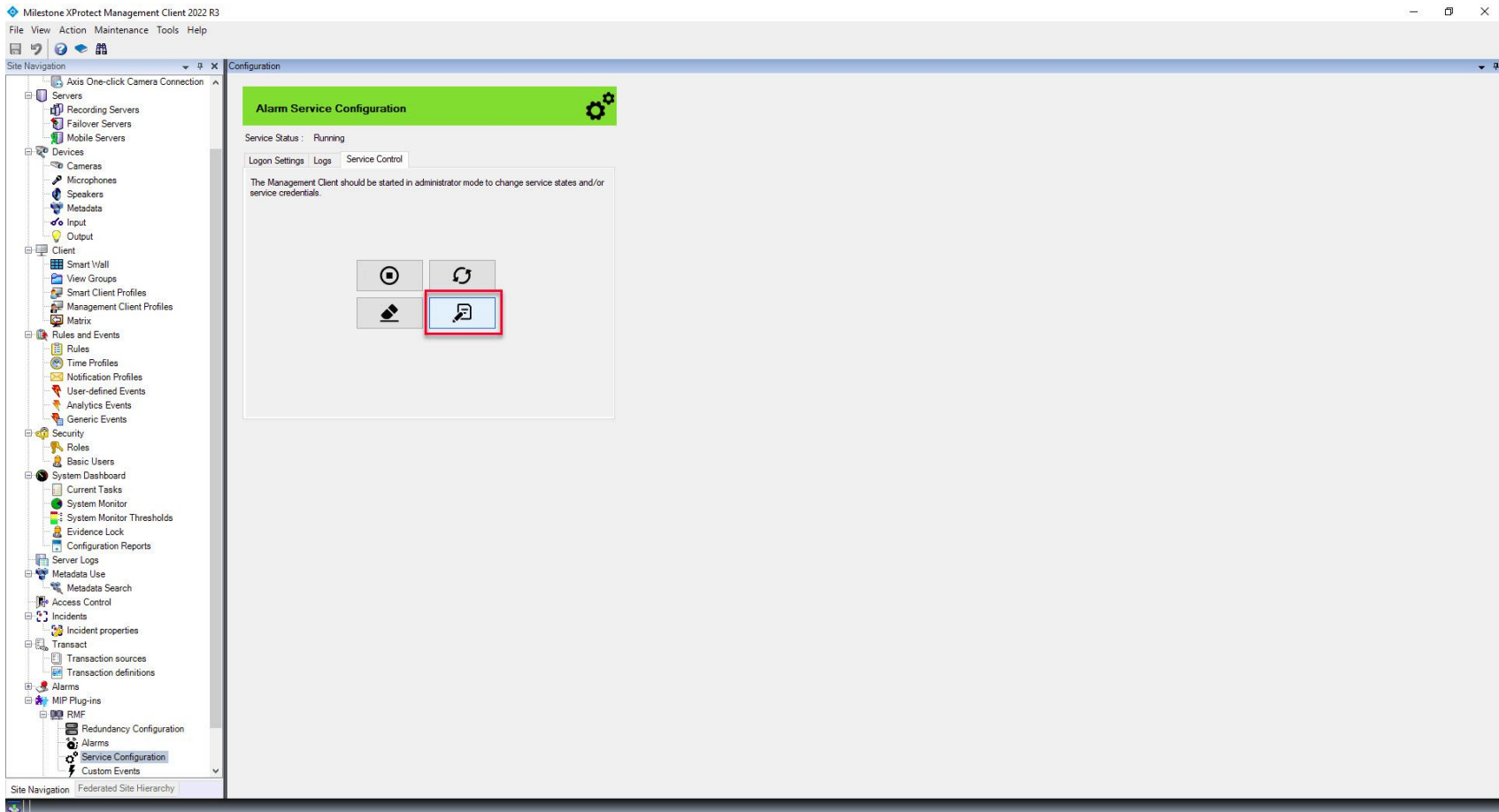
Clear RMF Alarm Service Logs



**Step 12:** Click **Clear RMF Alarm Service Logs** to clear the service logs.



**Step 13**: The logs are cleared. Click **OK**.



**Step 14:** Click Restart RMF Alarm Service with logs to restart the service and enable logging for in-depth analysis.

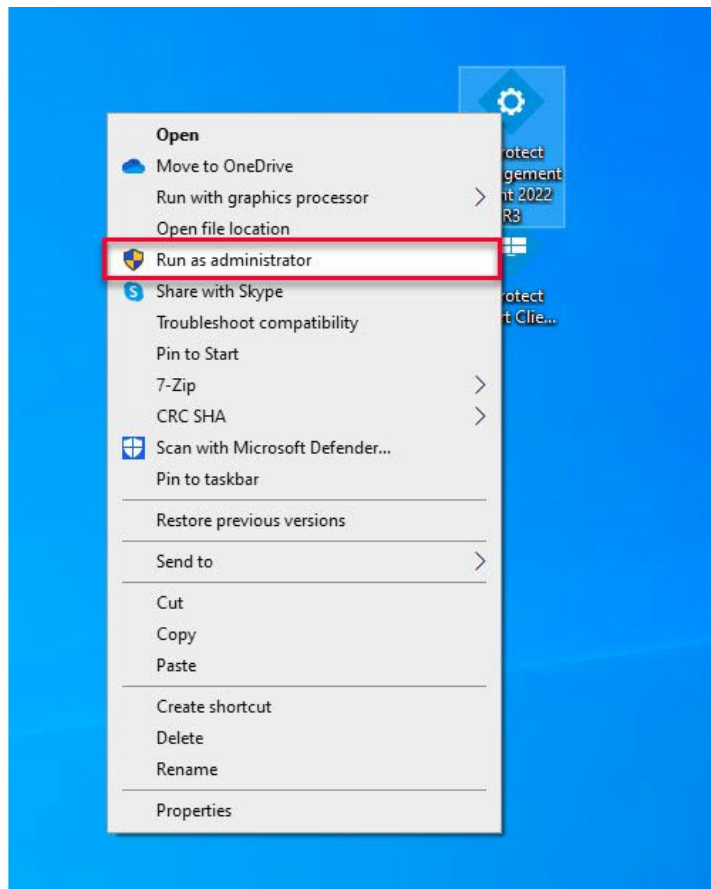


**RMF has to be setup first before proceeding  
with the Alarm Configuration**



# Part 1: RMF Alarm Plugin Configuration





**Step 1:** Open the **Management Client** on the **Parent Management Server**. (Federated Deployments)  
Open the **Management Client** on the **Management Server**. (Non-Federated Deployments)

**Note:** Run as administrator

Milestone  
XProtect® Management Client 2022 R3

Computer:  
primaryrec1.vegadomn.com → Management Server

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)

Milestone XProtect Management Client 2022 R3

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Configuration

### Alarm Service Configuration

Service Status: Running

Logon Settings | Logs | Service Control

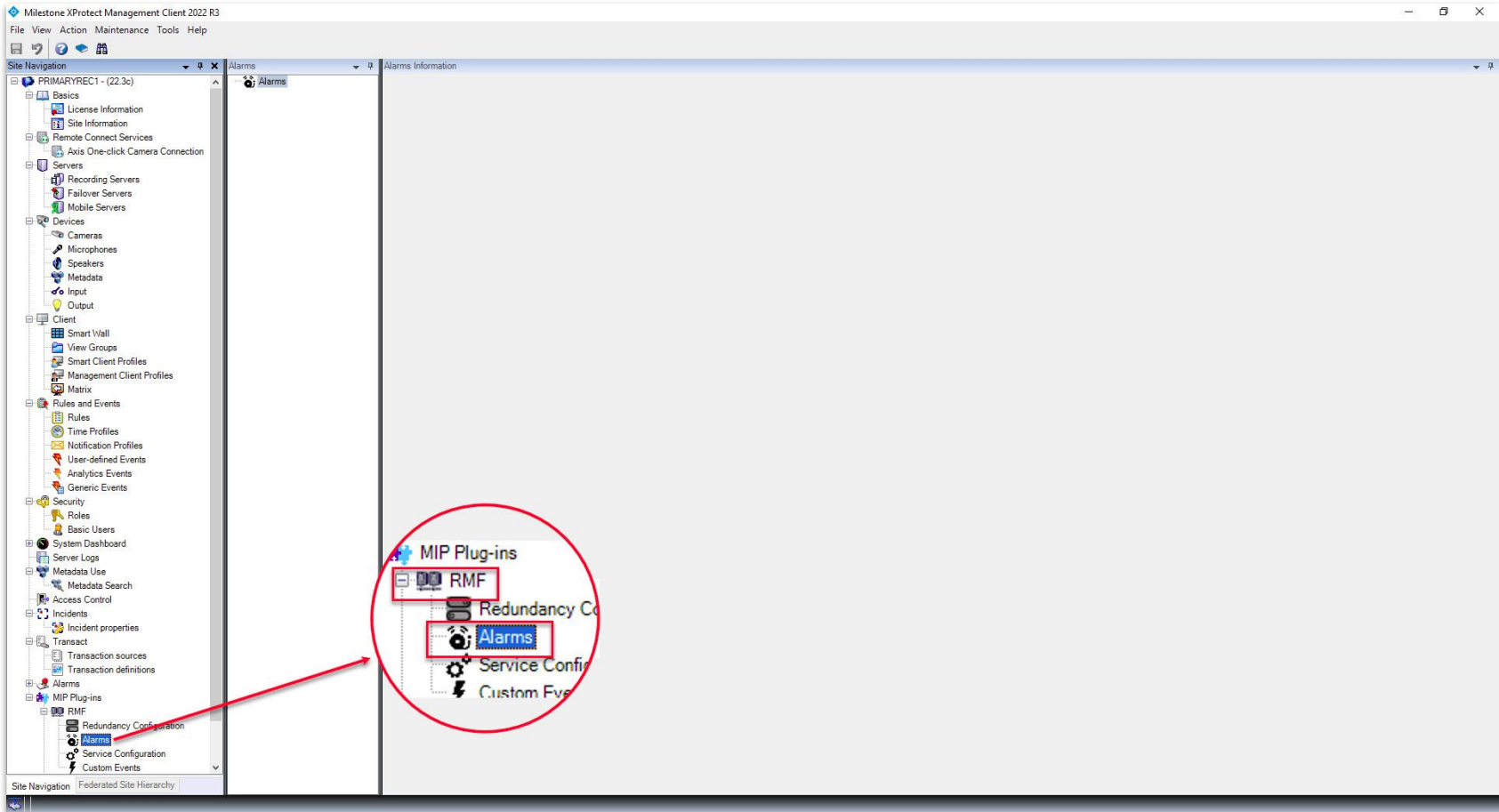
Username: NT AUTHORITY\Network Serv

Password:  Update

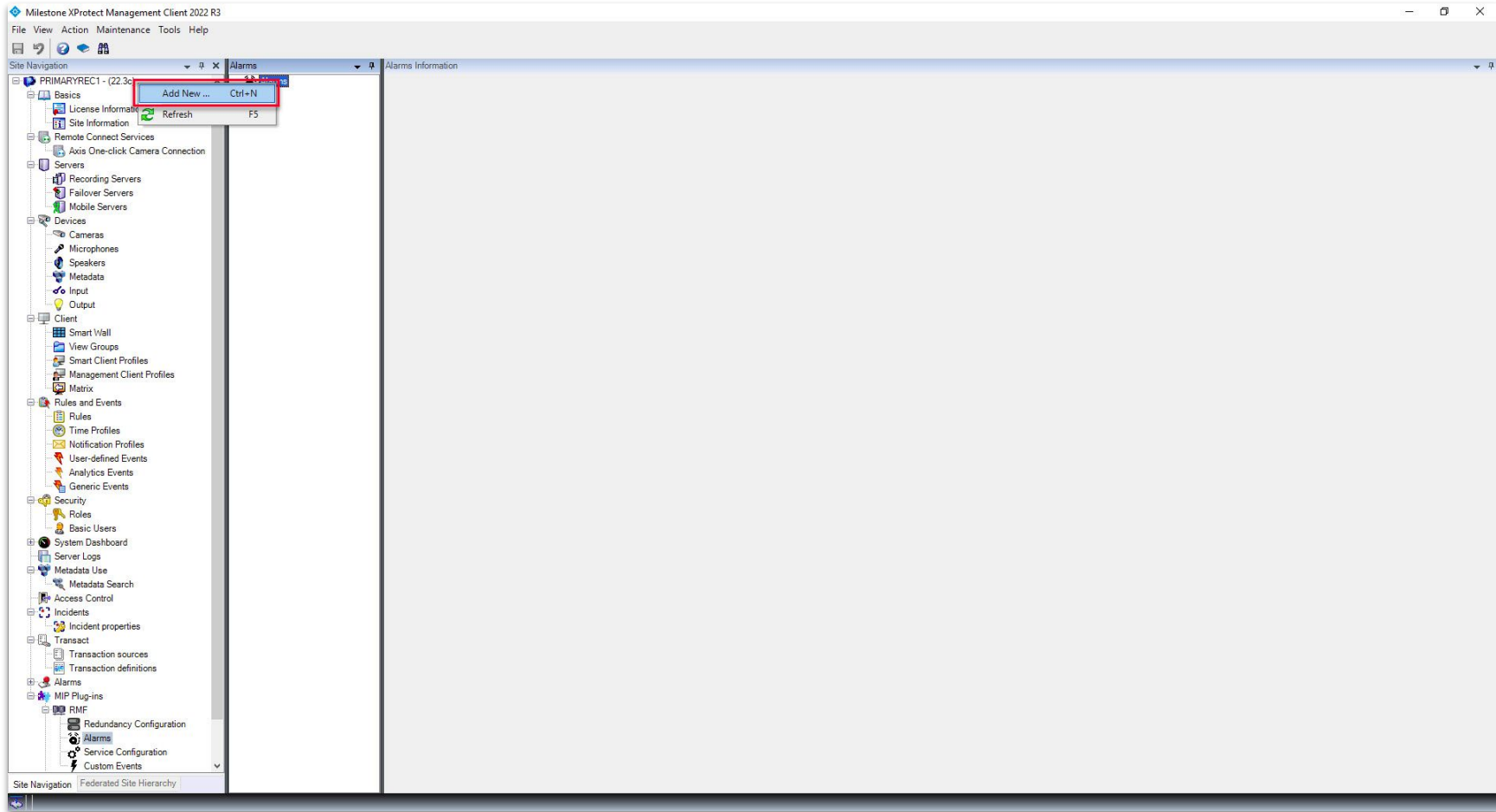
Note:

- The Management Client should be started in administrator mode to change service states and/or service credentials.
- Requires domain user for federated sites.
- Change in login/password account is not required in most cases.

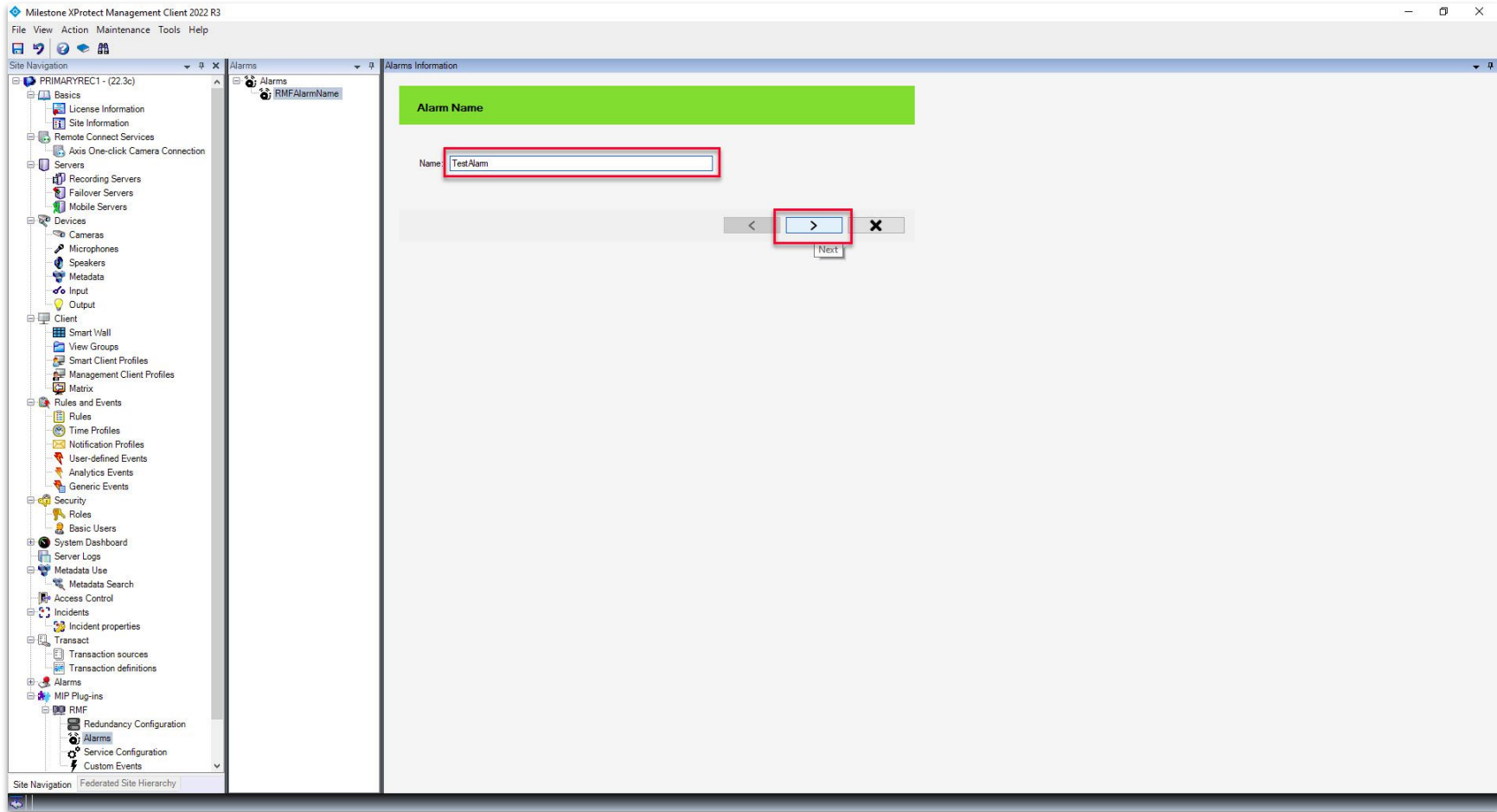
**Step 3:** Goto MIP Plugins → RMF → Service Configuration.  
Make sure that the Alarm Service is running.



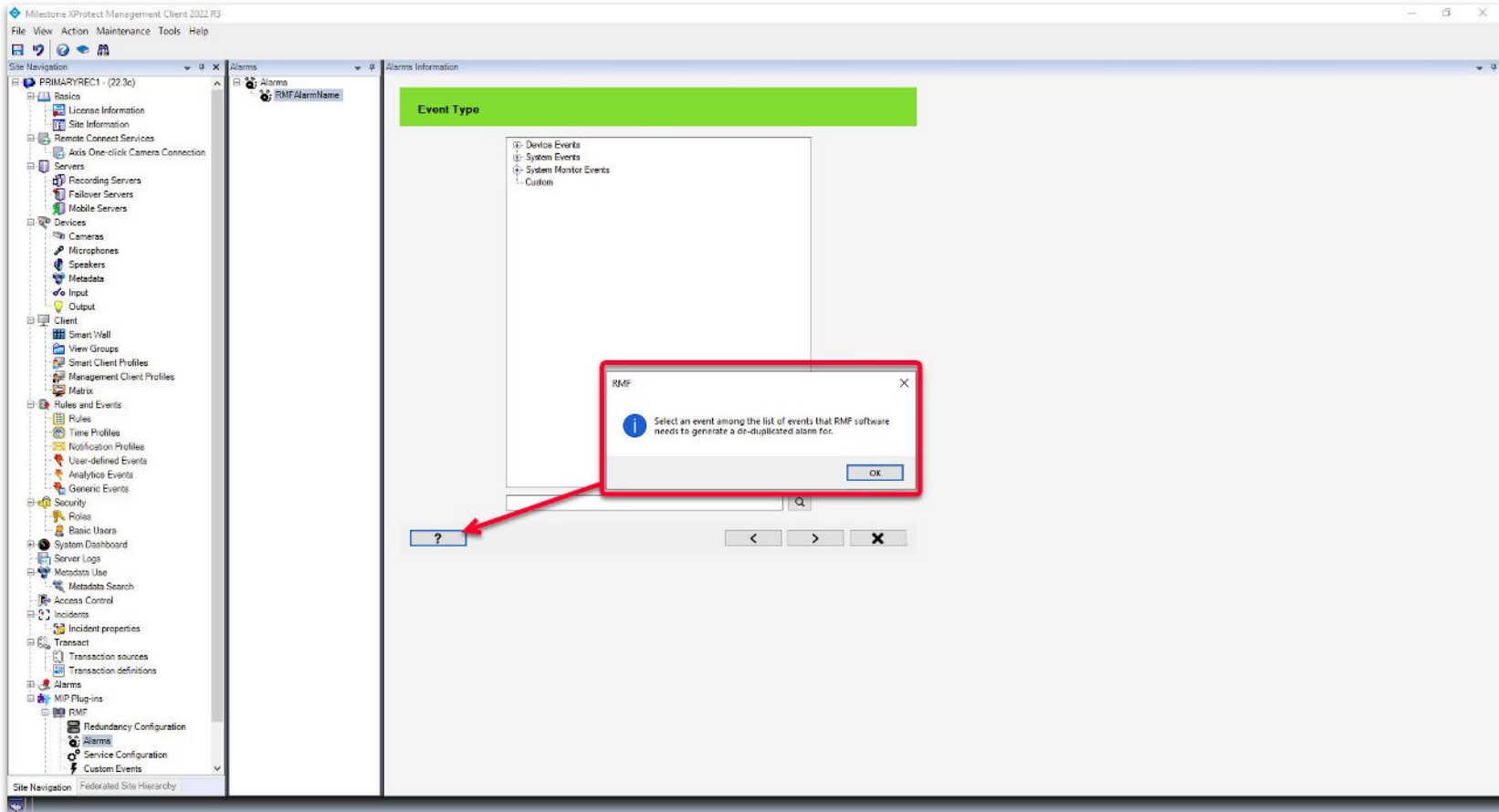
**Step 4:** Goto Site Navigation →MIP Plugins.  
Expand RMF , and select Alarms.



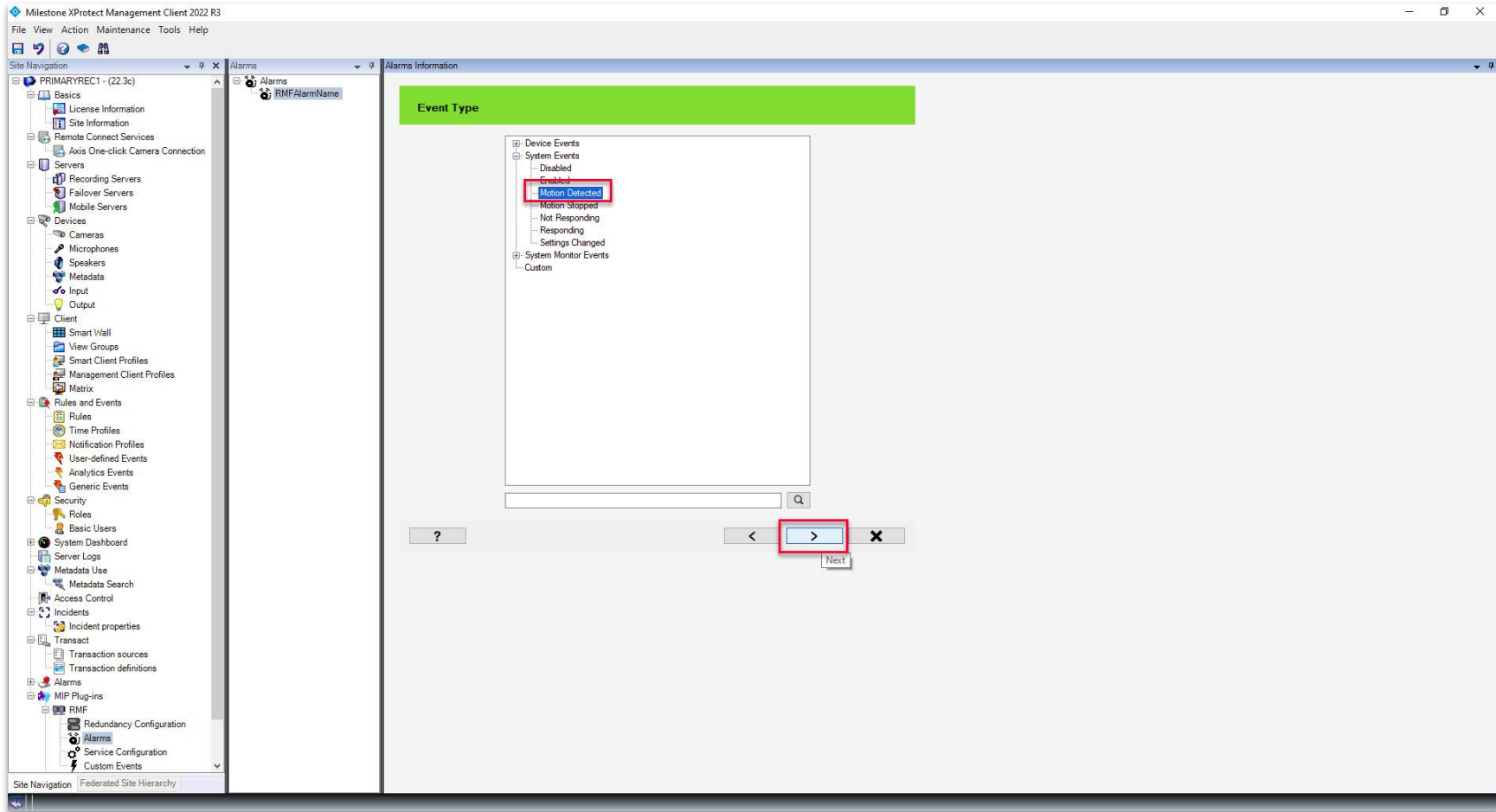
**Step 5:** Right-click Alarms and click **Add New**.



**Step 6:** Provide an **Alarm** name and click **Next**.

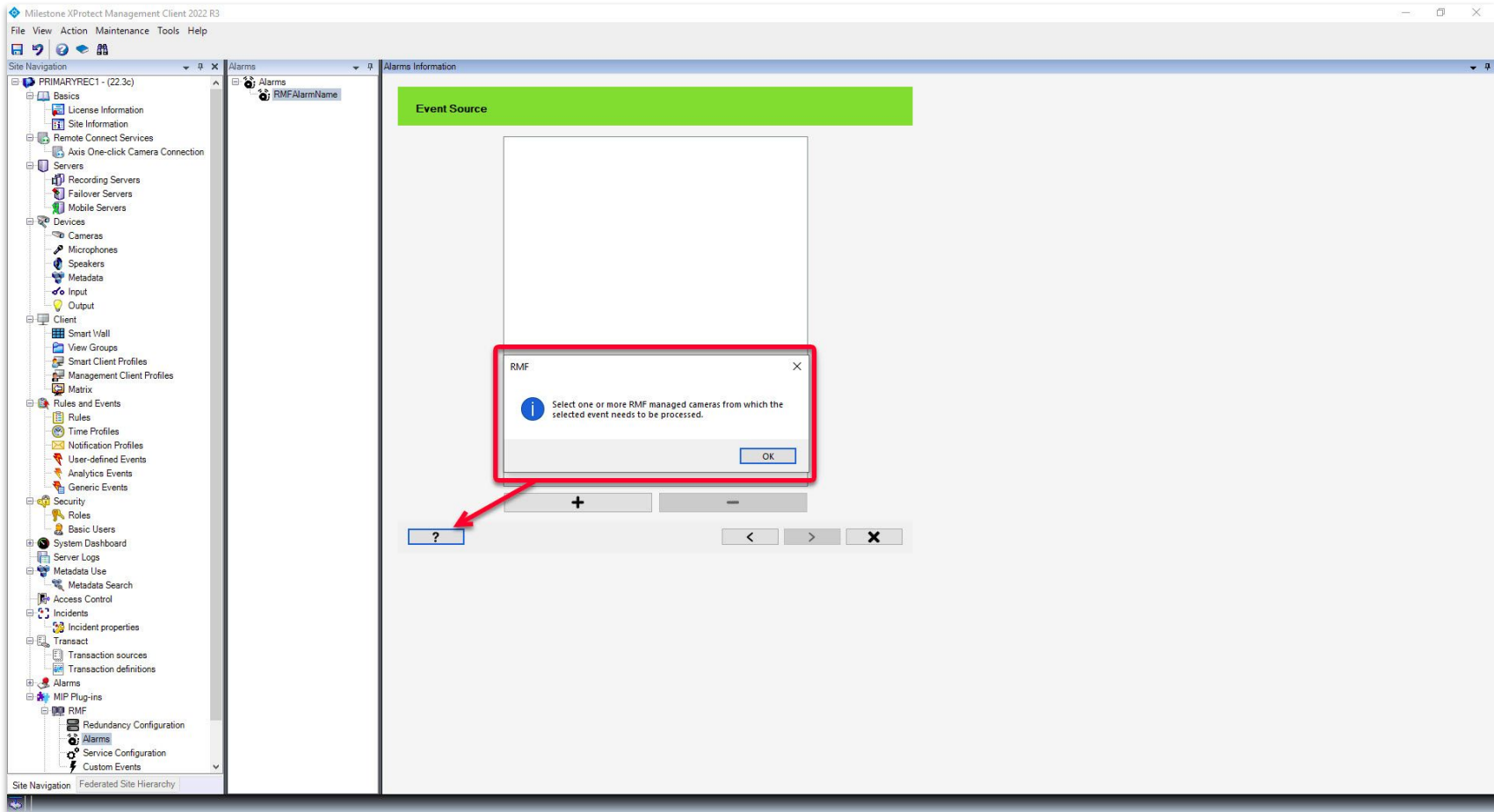


**Step 7:** Select the needed **Event Type**  
(Device Events, System Events, System Monitor Events, or Custom).  
**Note:** Custom Alarm is covered in the [Adding Custom Alarm](#) tutorial.

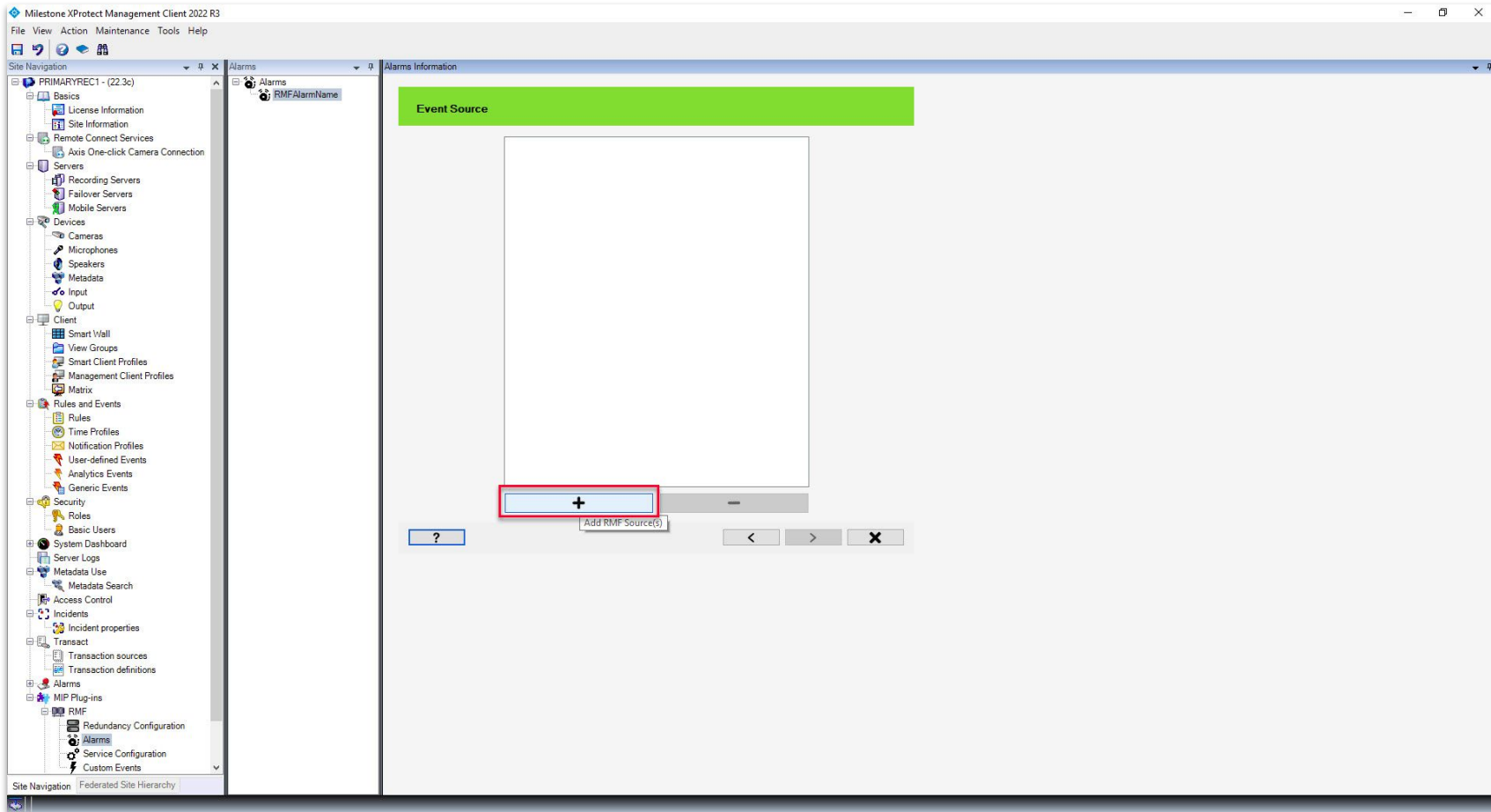


**Step 8:** Click **Next** after selecting the event type.





**Step 9:** Select **Event Source (camera)**, which RMF manages.



**Step 10**: Click **Add** as shown above to select the needed camera.

Milestone XProtect Management Client 2022 R3

File View Action Maintenance Tools Help

Site Navigation

PRIMARYREC1 - (22.3c)

Basics

- License Information
- Site Information
- Remote Connect Services
- Axis One-click Camera Connection

Servers

- Recording Servers
- Failover Servers
- Mobile Servers

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- Custom Events

Alarms

RMFAlarmName

Event Source

RMF

- AXIS M3044-V Network Camera (172.16.0.3) - Camera 1
- AXIS M3044-V Network Camera (172.16.0.3) - Camera 2
- AXIS M3058-PLVE Fixed Dome Network Camera (172.16.0.18) - Camera 1
- AXIS M3058-PLVE Fixed Dome Network Camera (172.16.0.18) - Camera 8
- AXIS M3058-PLVE Fixed Dome Network Camera (172.16.0.18) - Camera 9
- AXIS M5013 PTZ Dome Network Camera (172.16.0.4) - Camera 1
- AXIS M7014 Video Encoder (172.16.0.14) - Camera 1
- AXIS M7014 Video Encoder (172.16.0.14) - Camera 2
- AXIS M7014 Video Encoder (172.16.0.14) - Camera 3
- AXIS M7014 Video Encoder (172.16.0.14) - Camera 4
- AXIS M7014 Video Encoder (172.16.0.14) - Camera 5
- AXIS P3807-PVE Network Camera (172.16.0.26) - Camera 1

?

+

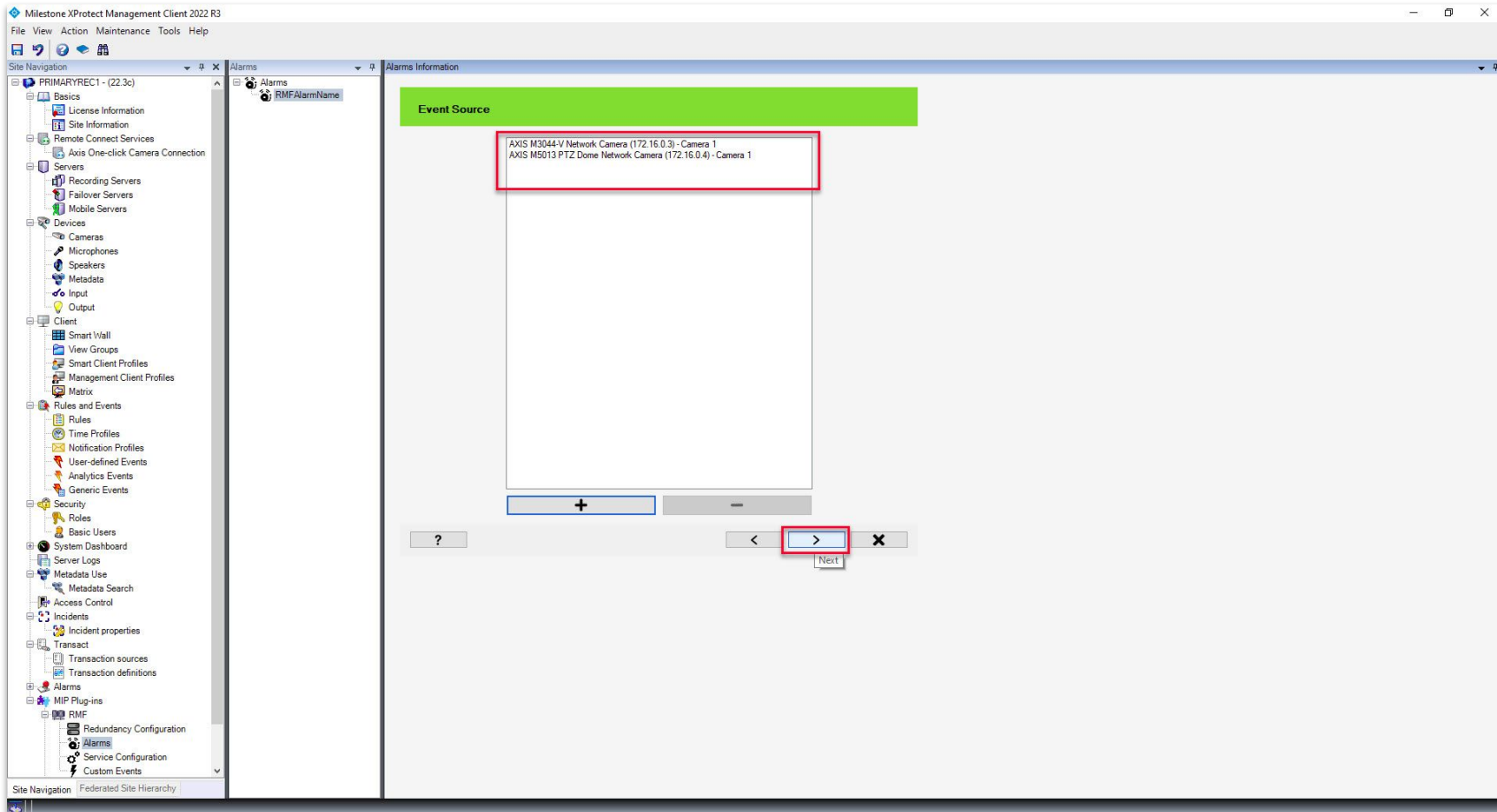
Search required RMF managed camera

Add all Cameras

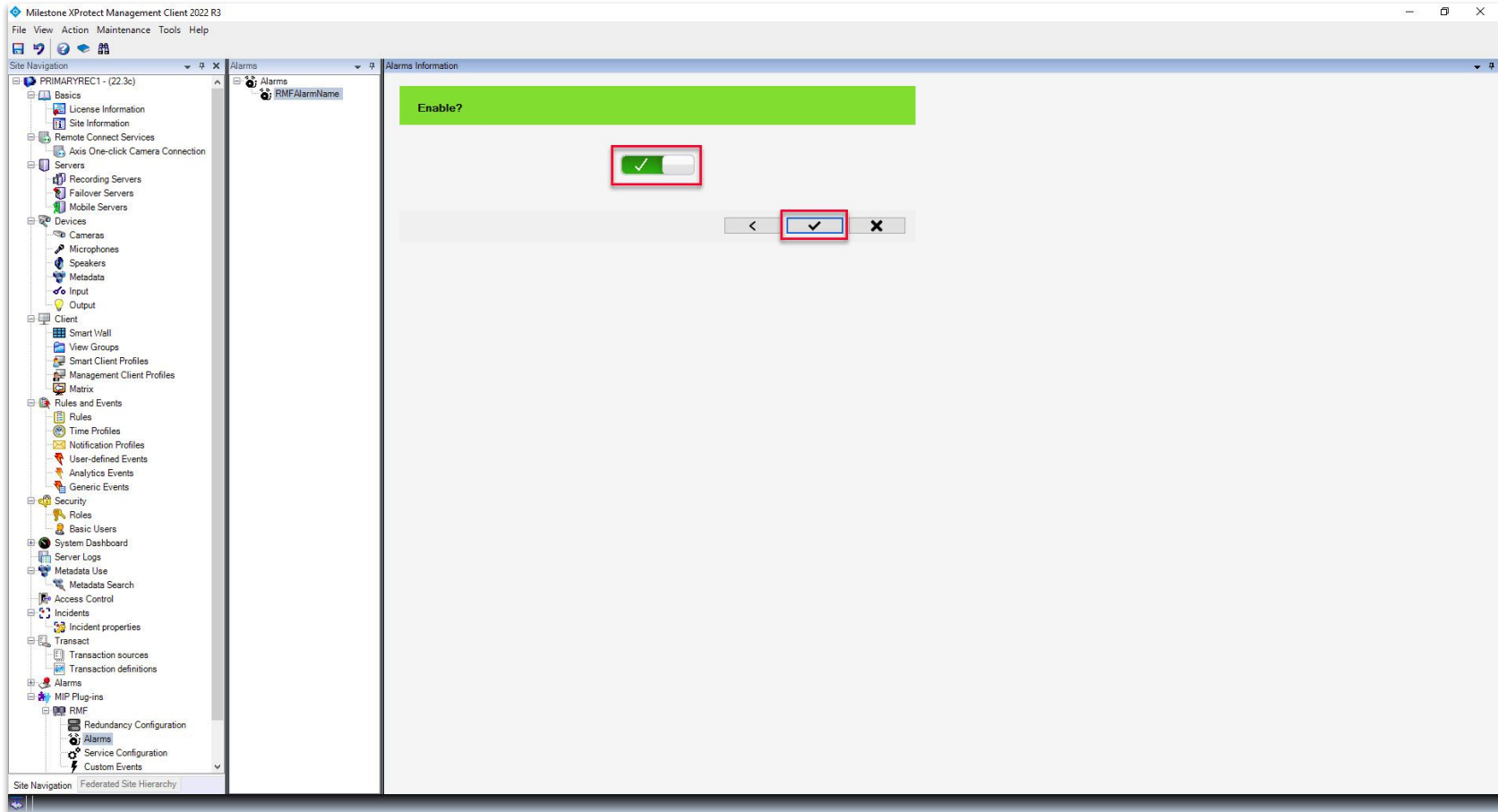
OK

Select all cameras

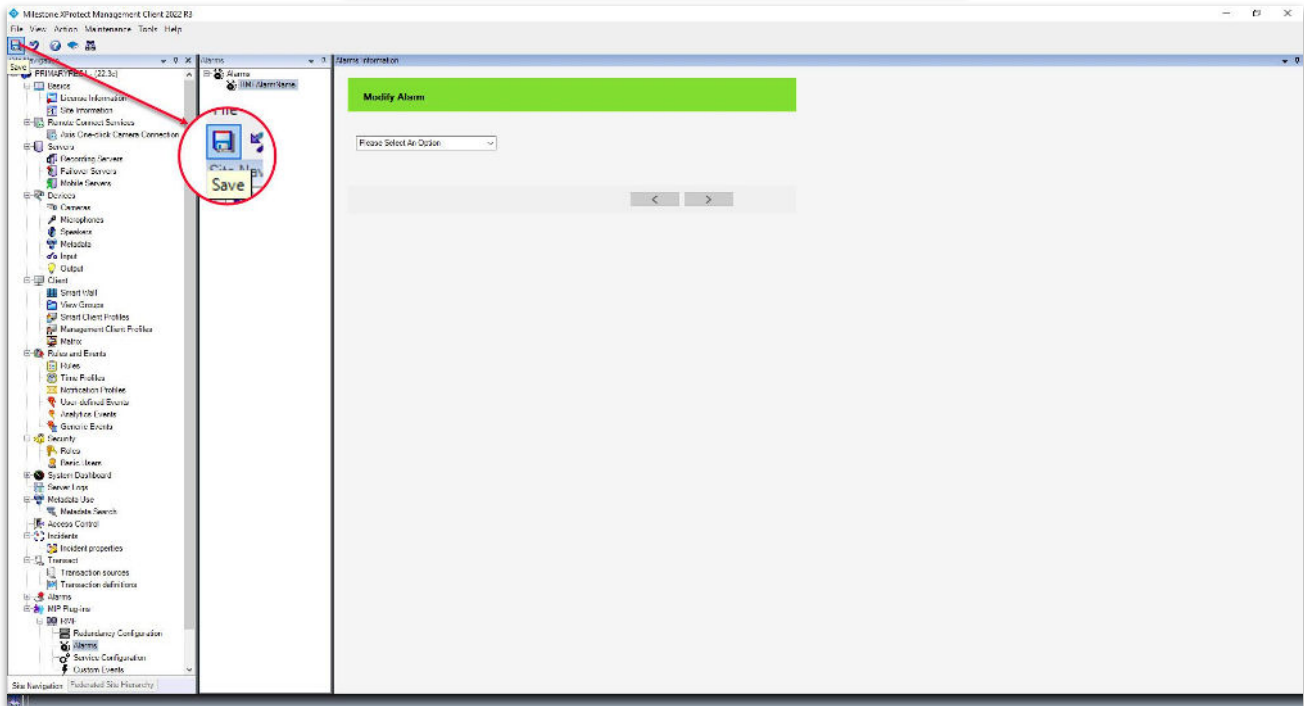
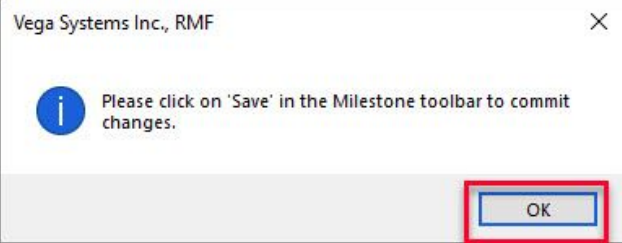
**Step 11:** Select the needed camera(s) for which the event alarm has to be generated.  
Click **Add All Cameras** to select all the cameras or Search for the needed camera.



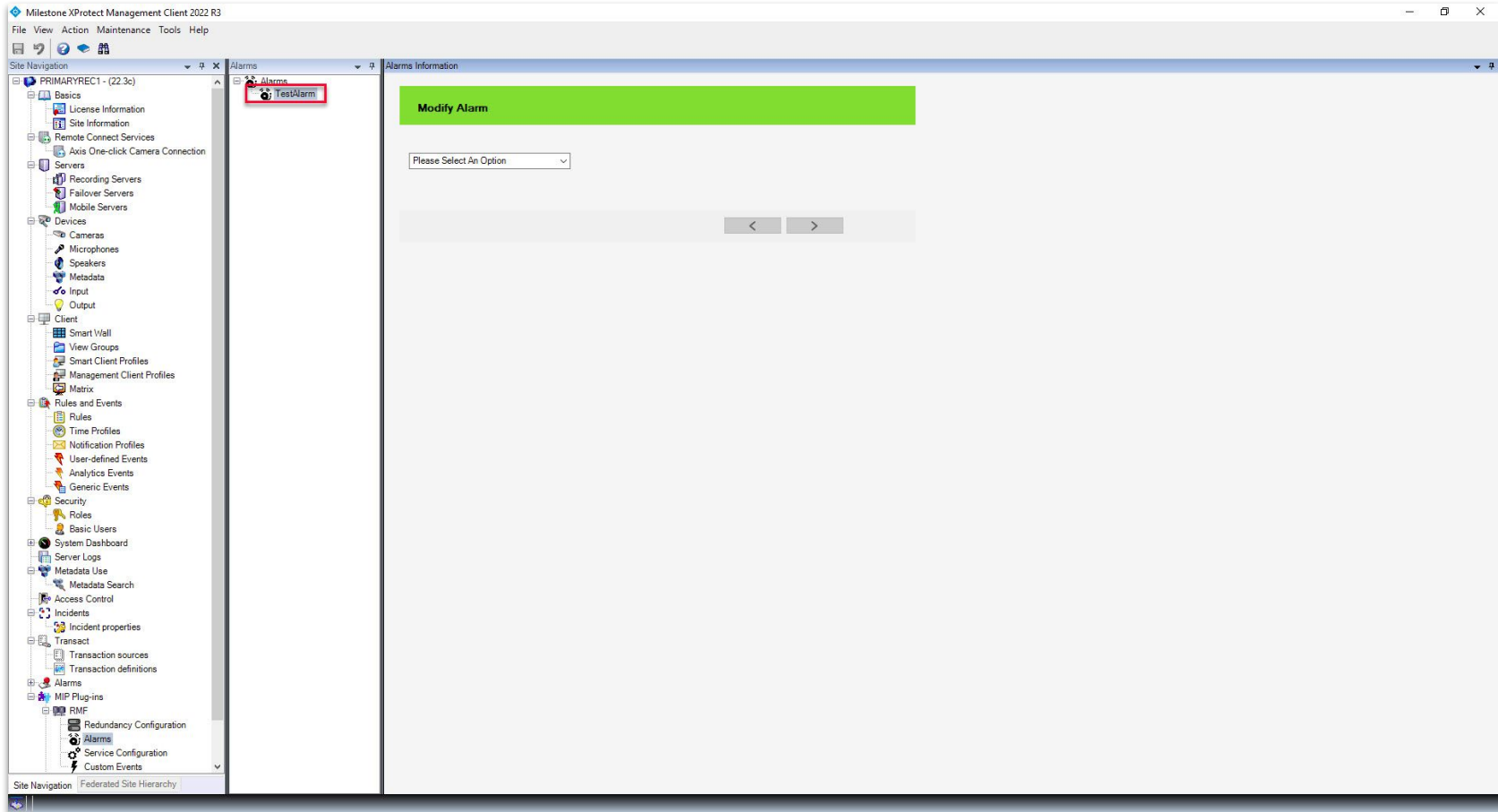
**Step 12:** Selected cameras are listed as shown above.  
Click **Next**.



**Step 13: Enable the alarm created.  
Click Finish.**



**Step 14:** Save the alarm created.

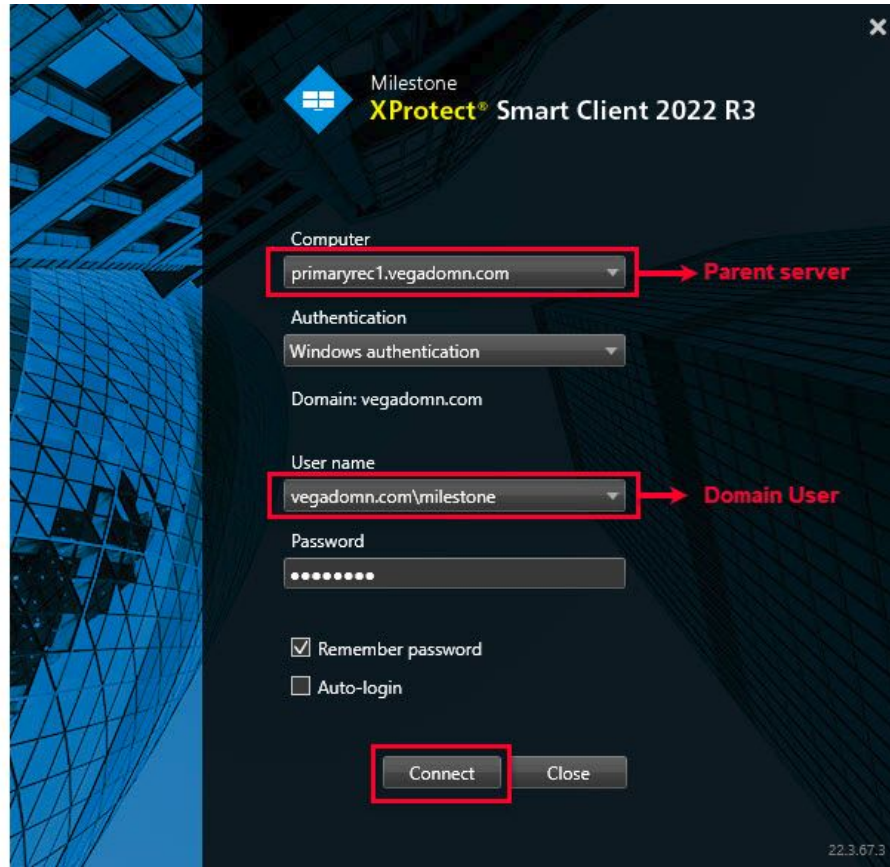


**Step 15:** The Alarm is created, and the list is updated with the alarm name.



## Part 2: RMF Alarm Verification





**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)**

Milestone XProtect Smart Client

Live | Playback | Exports | Search | **Alarm Manager** | Incidents | RMF Bookmark Viewer | System Monitor

11:19:13 PM

Setup

10:51:28 PM Thank you for using this trial license to demonstrate or evaluate the XProtect video management software. The trial license expires on 10/12/2023. To fully license the product, please contact your reseller or find one on <https://www.milestone.com>.

Quick Filters

- ▼ New (0)
- ▼ In progress (0)
- ▼ On hold (0)
- ▼ Closed (749)

PRIMARYREC1

PRIMARYREC2

Servers

- PRIMARYREC1
- PRIMARYREC2

Alarms *No filter*

Time	Priority Level	State Level	State Name	Message	Source	Owner	ID
No alarms detected							

Reports 0

**Step 2:** Goto **Alarm Manager**.  
**Note:** There are no alarms detected.



Quick Filters

- New (5)
- In progress (0)
- On hold (0)
- Closed (751)
- PRIMARYREC1
- PRIMARYREC2

Servers

- PRIMARYREC1
- PRIMARYREC2

Time	Priority Level	State Level	State Name	Message	Source	Owner	ID
11:20:13 PM 12/28/2022	1	1	New	TestAlarm	AXIS M3044-V Network Ca		1365
11:20:26 PM 12/28/2022	1	1	New	TestAlarm	AXIS M3044-V Network Ca		1366
11:19:54 PM 12/28/2022	1	1	New	TestAlarm	AXIS M5013 PTZ Dome Ne		5518
11:20:13 PM 12/28/2022	1	1	New	TestAlarm	AXIS M5013 PTZ Dome Ne		5519
11:20:38 PM 12/28/2022	1	1	New	TestAlarm	AXIS M5013 PTZ Dome Ne		5520
11:22:43 PM 12/28/2022	1	1	New	TestAlarm	AXIS M5013 PTZ Dome Ne		5521

Detected alarms list

**Step 3: Alarms detected** are shown in the list for the **configured event type**. Select an alarm from the list to view.

**Note: Only users with access to the camera and the Alarm Manager can receive the alarm for the selected camera.**