



Scylla
User Manual
Scylla – Network Optix VMS
Integration

CONFIDENTIAL

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Introduction

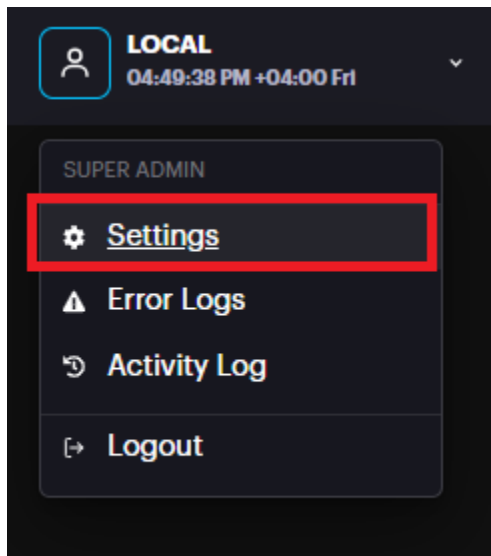
This manual provides an overview of Scylla integration with Network Optix (VMS) .

This integration adds additional functionality to Network Optix Video Management System to support Scylla AI Modules.

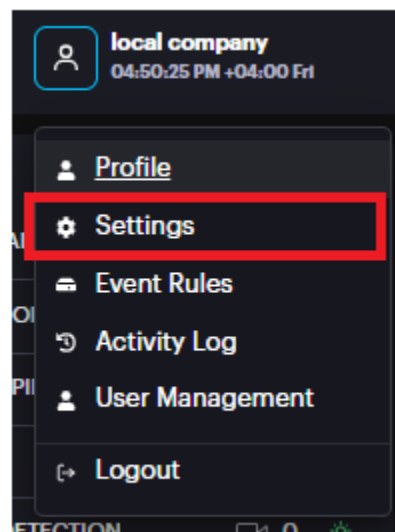
Scylla has two-way full integration with Network Optix VMS which means that it takes input from Network Optix Server and reports back to Network Optix witness client.

Scylla Dashboard Configuration

Open the **Scylla Asteria** or **Scylla On-Premise Dashboard**.
Go to **Account menu -> Settings**

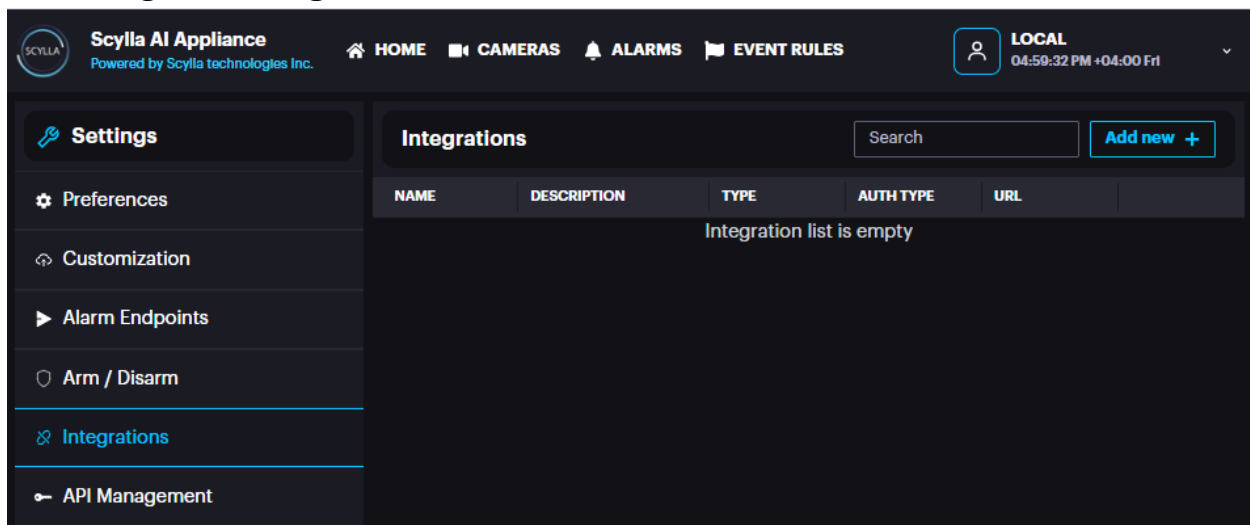


Scylla Asteria

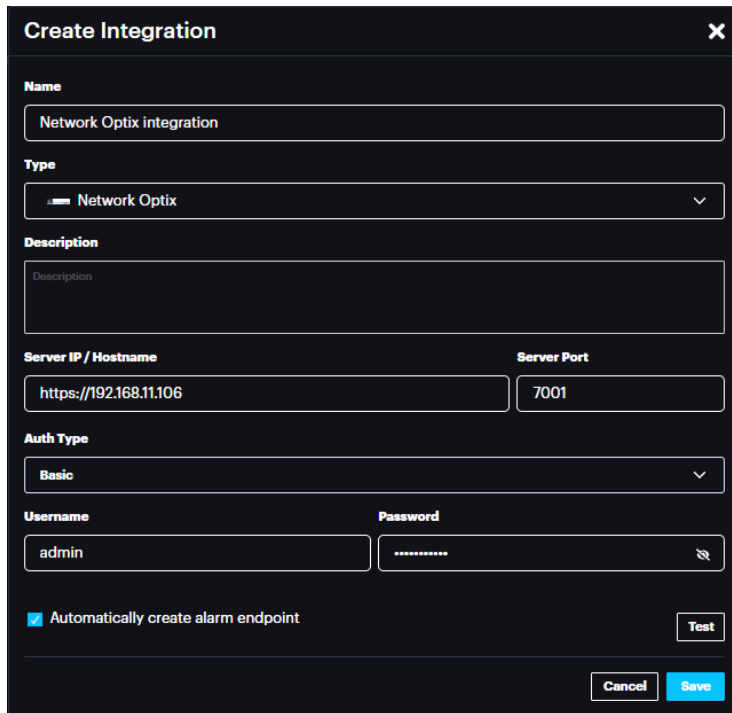


Scylla On-Premise

Now navigate to **Integrations** menu



Click **Add new +**



Create Integration [X]

Name

Type

Description

Server IP / Hostname **Server Port**

Auth Type

Username **Password**

☒ Automatically create alarm endpoint Test

Cancel Save

Name: name the integration

Type: Select Network Optix from the list

Description: Add a description if needed

Server IP/Hostname: IP address of the Network Optix Witness Server (https://ipaddress)

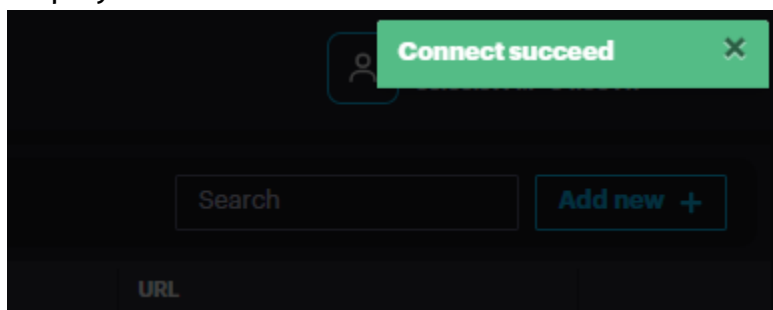
Port: 7001 (NX Witness Server port)

Auth Type: Basic or Bearer (select Basic)

Username: NX witness user (with administrator role) username

Password: NX Witness user (with administrator role) password

Click **test** to test the connection, if successfully connected then a message will be displayed.



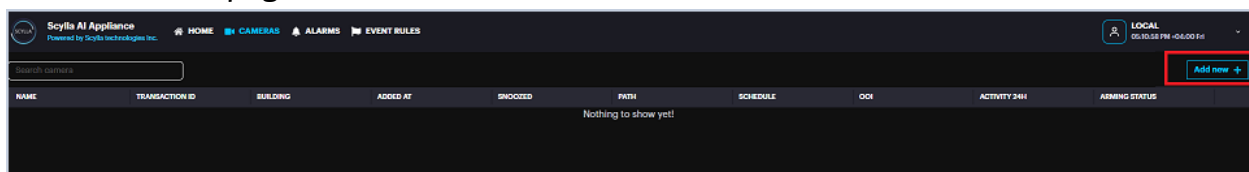
Click **Save**.

Automatically create alarm endpoint: If enabled, an alarm endpoint will be automatically created in the settings-> alarm endpoints

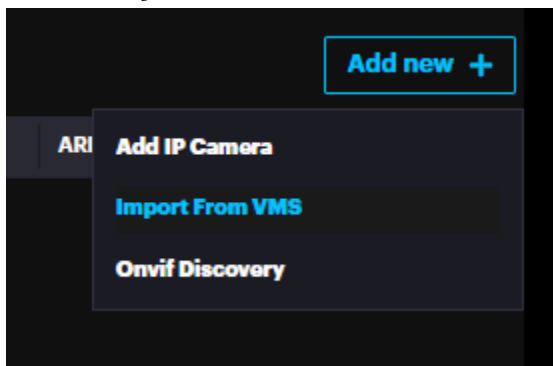
Importing Cameras from VMS

Scylla Asteria

Go to Cameras page and click **add new +**



Select **Import From VMS**



Add VMS Cameras

Network Optix Integration

Search

Create Integration

	NAME	URL
<input type="checkbox"/>	DS-2TD2617B-6/PA	Rtsp://*****:*****@*****.com:554/ISAPI/Streaming/Channels/101
<input type="checkbox"/>	SIP42B4ATH/4	Rtsp://*****:*****@*****.com:554/ISAPI/Streaming/Channels/101?Transport=TCP

Rows per page 10

1-2 of 2

<

>

Close

Create

Select the Integration created previously from the drop-down menu.

Cameras from Network Optix server will appear in this window, enabling the cameras to be imported to Scylla Asteria.

Click **Create**

The imported camera(s) will be shown on the Cameras page.

SCYLLA

Scylla AI Appliance

Powered by Scylla technologies Inc.

HOME

CAMERAS

ALARMS

EVENT RULES

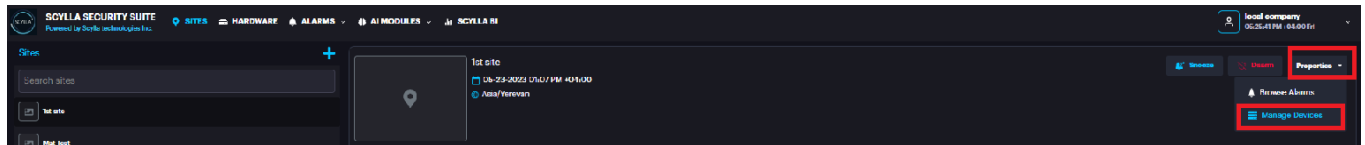
Search camera

NAME	TRANSACTION ID	BUILDING	ADDED AT	SNOOZED	PATH	SCHEDULE	OOI	ACTIVITY 24H
*****	8079f7d5...	1	18-08-2023 05:19 PM	No	/00000001-0000-babe-0008-Sa0Scal70689/live	<div>In schedule</div>	All	<div>0</div>

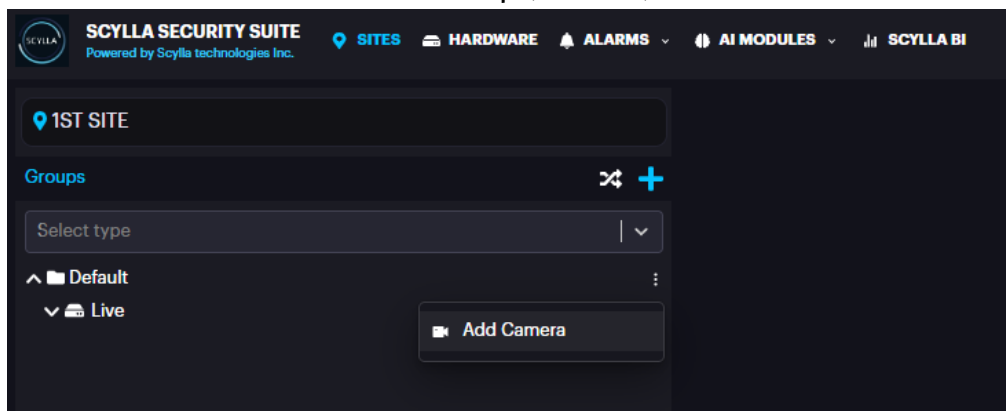
Rows 1

Scylla On-Premise

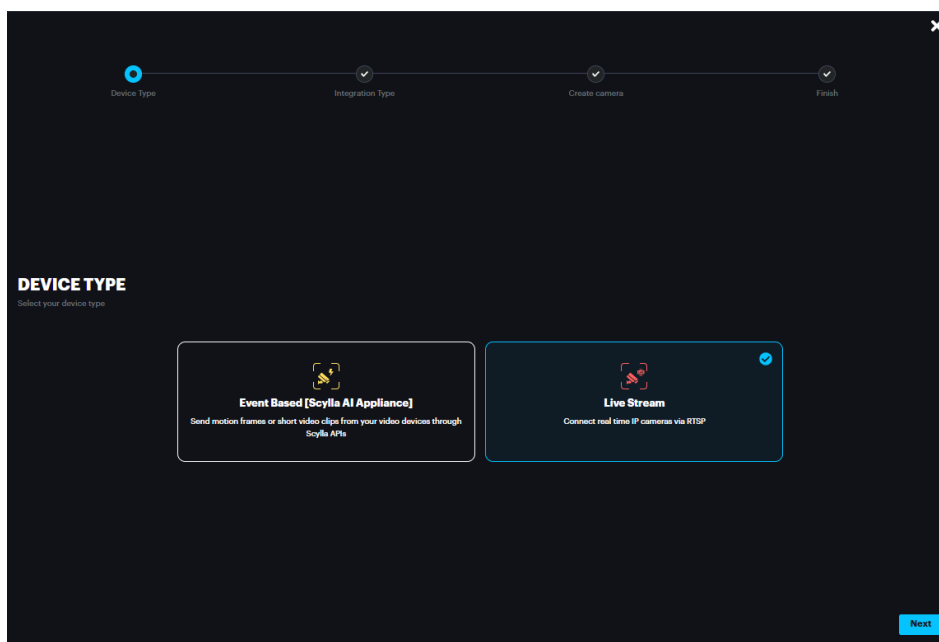
Go to Sites page, select a site -> **Properties** -> **Manage Devices**



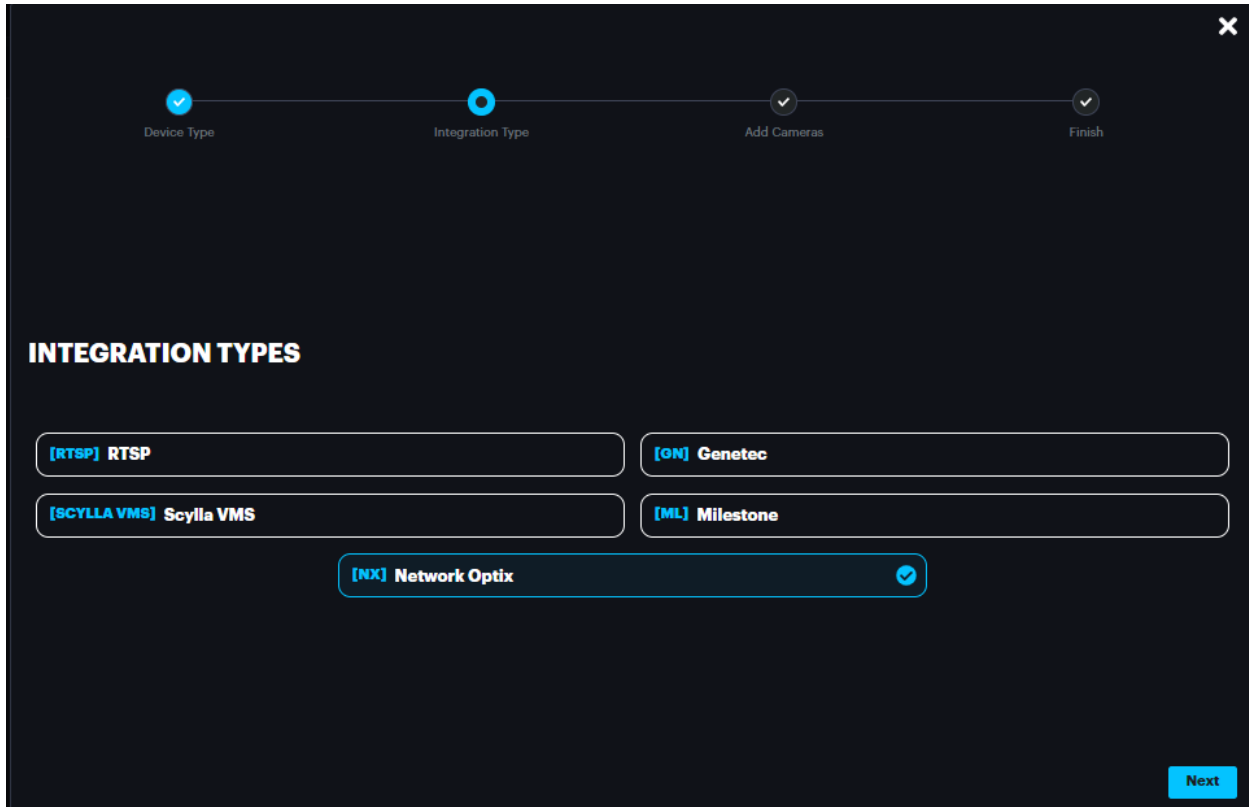
Click the three dots near the Group (Default) -> Add Camera



Select **Live Stream** and click **Next**

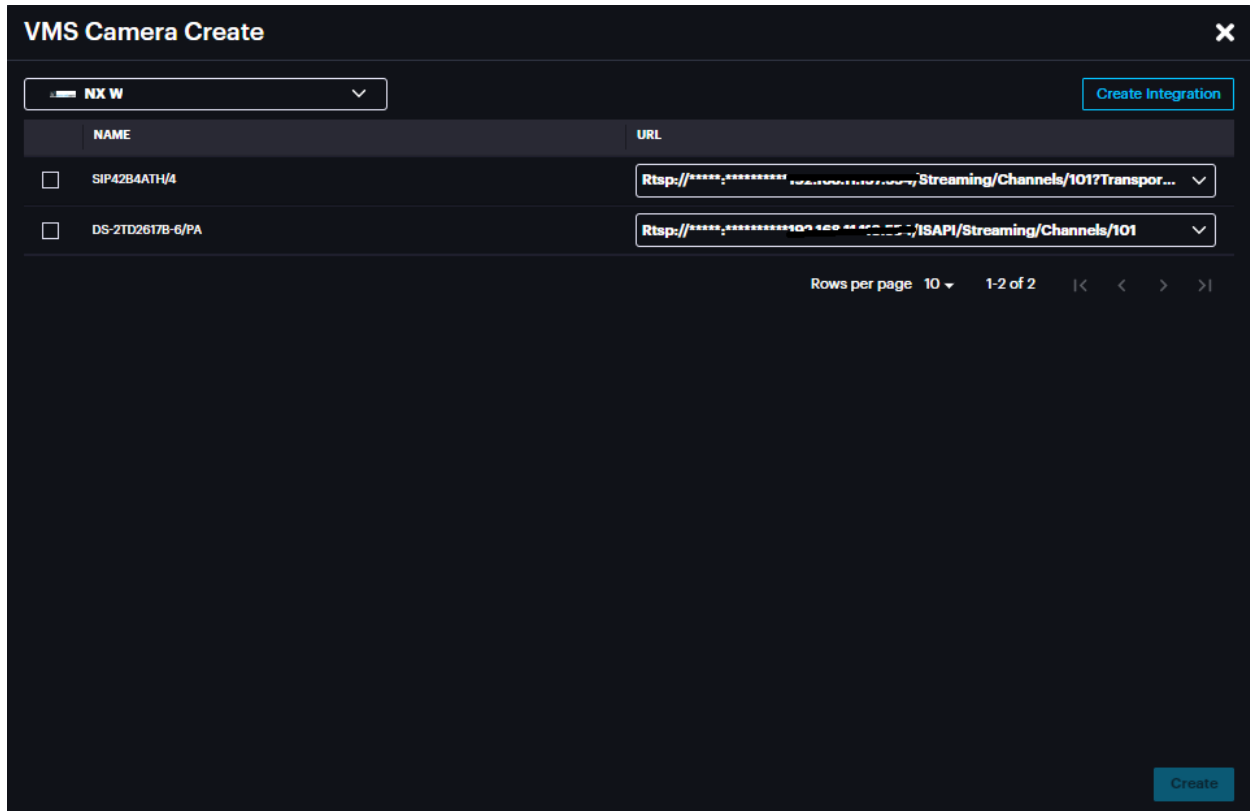


Select **Network Optix** and click **Next**



The screenshot shows a dark-themed integration wizard window. At the top, a progress bar has four steps: 'Device Type' (completed with a checkmark), 'Integration Type' (active with a blue circle), 'Add Cameras' (pending with a checkmark), and 'Finish' (pending with a checkmark). Below the progress bar, the title 'INTEGRATION TYPES' is displayed. There are five selection boxes: '[RTSP] RTSP', '[ON] Genetec', '[SCYLLA VMS] Scylla VMS', '[ML] Milestone', and '[NX] Network Optix' (which is highlighted with a blue border and a checkmark). A 'Next' button is located in the bottom right corner.

Select the integration from the drop-down menu and the cameras on NX Witness server will appear

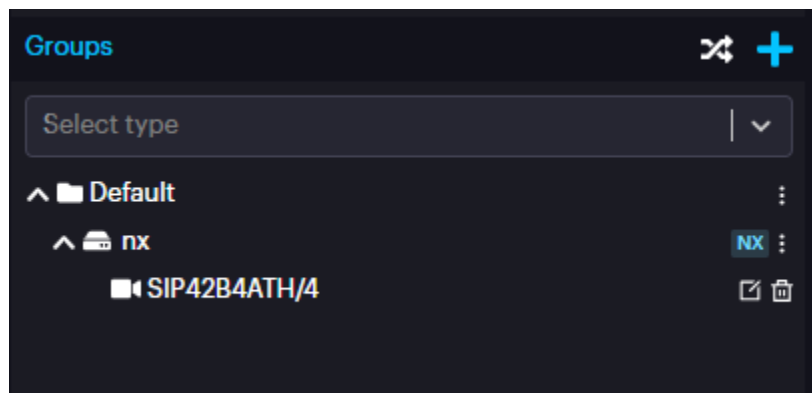


The 'VMS Camera Create' dialog features a dark theme. At the top, there is a dropdown menu set to 'NX W' and a 'Create Integration' button. Below this is a table with two columns: 'NAME' and 'URL'. The table contains two rows, each with a checkbox, a camera name, and a URL. The first row is for 'SIP42B4ATH/4' with a URL starting with 'Rtsp://'. The second row is for 'DS-2TD2617B-6/PA' with a URL starting with 'Rtsp://'. At the bottom right of the table area, there is a 'Create' button. Pagination controls at the bottom indicate 'Rows per page: 10' and '1-2 of 2'.

	NAME	URL
<input type="checkbox"/>	SIP42B4ATH/4	Rtsp://.....Streaming/Channels/101?Transpor...
<input type="checkbox"/>	DS-2TD2617B-6/PA	Rtsp://...../ISAPI/Streaming/Channels/101

Enable the cameras that will be imported to Scylla on-premise server.
Click **Create & Continue**

The imported camera(s) will appear under the group



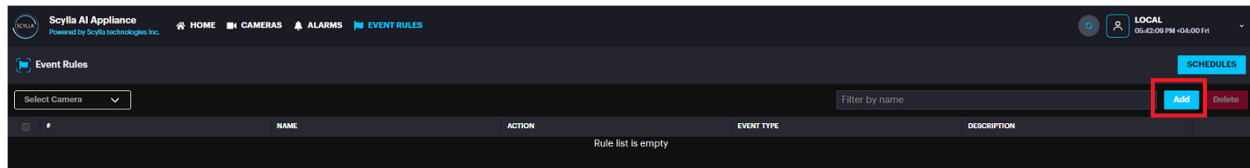
Once deployed, the alarms will appear on Scylla Dashboard and NX Witness client (alarm endpoint & event rule should be already configured on Scylla dashboard and Generic Event rule should be created in NX Witness Client as mentioned later in the document).

Configuring Event Rules

Event rules are created to link the events, schedules and actions.

Scylla Asteria

Go to **EVENT RULES** page click **Add**



Event Rules

Name

Send to NX Witness

Event Type

All Event Types

Cameras

All Cameras

Schedule

24/7

Description

Type some description

Action

HTTP Endpoint

HTTP Endpoint

NETWORK_OPTIX

Priority

100

Save

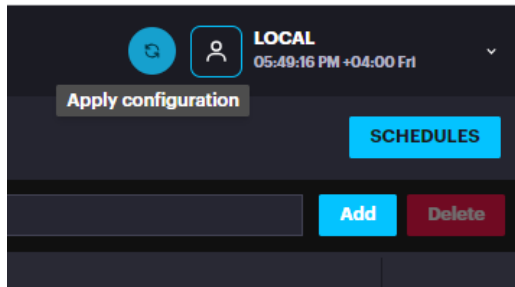
Cancel

Name the event rule, select the event type (default is All event type), Select the camera(s) whose event will trigger the action (default is All cameras), select schedule (select the default 24/7 from drop down menu or create new schedule by clicking create schedule) .

In the action select HTTP Endpoint and for HTTP Endpoint select NETWORK_OPTIX.

Click **Save**.

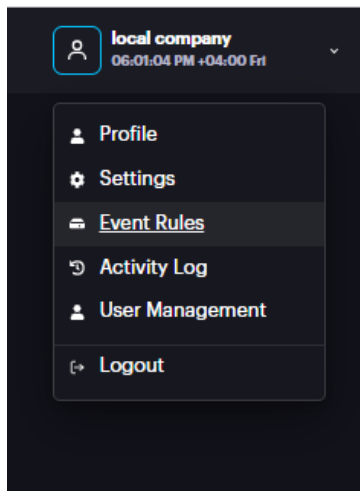
Now click Apply configuration on top.



Now Scylla Asteria is ready to send the alarm to NX Witness Client from camera(s) that are configured in the Event Rule.

Scylla On-Premise

Go to Account Menu -> Event rules



Event Rules

Name

Event Type

All Event Types

Devices

All Sites

All Cameras

Schedule

24/7

Description

Type some description

Action

HTTP Endpoint

HTTP Endpoint

NETWORK_OPTIX

Priority

100

Save

Cancel

Name the event rule, select the event type (default is All event type), Select the Site and camera(s) whose event will trigger the action (default is All Sites & All cameras), select schedule (select the default 24/7 from drop down menu or create new schedule by clicking create schedule).

In the action select HTTP Endpoint and for HTTP Endpoint select NETWORK_OPTIX. Click **Save**.

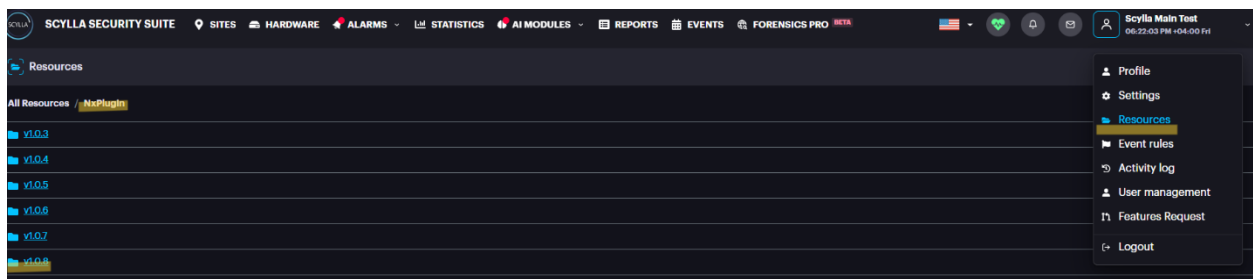
Now Scylla On-Premise is ready to send the alarm to NX Witness Client from camera(s) that are configured in the Event Rule.

Scylla Plugin Installation

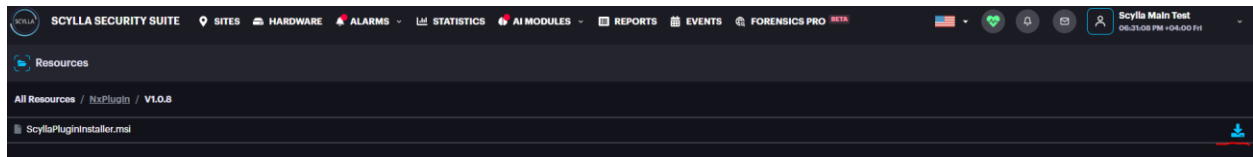
Note: Scylla plugin must be installed on the same machine where NX VMS server is installed.

To set up the Scylla Plugin do the following:

Open the Scylla Cloud Dashboard -> navigate to the *Resources* tab and double-click on *NX-Plugin*



Next, please download the latest version of the Plugin



Once the .msi file has been downloaded, please find the path and open the file



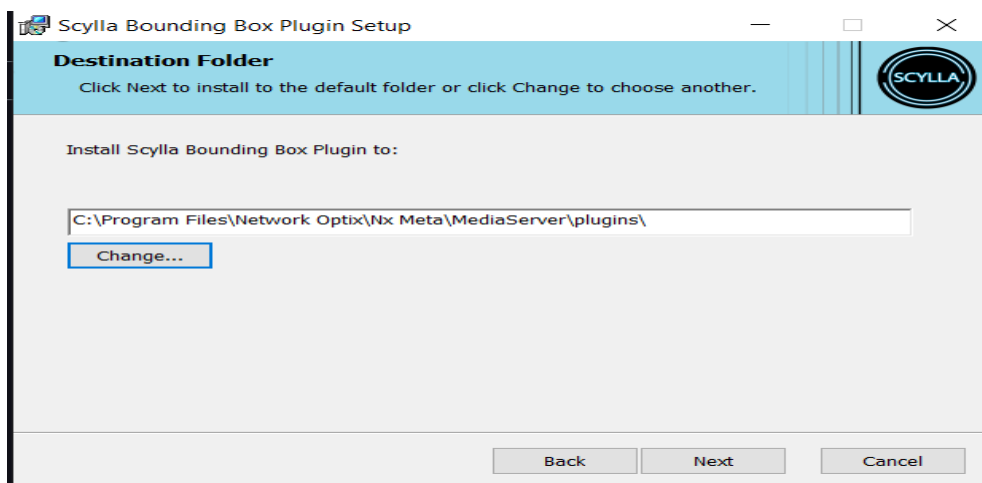
Specify the installation path. For example, C:\Program Files\Network Optix\Nx Witness\MediaServer\plugins\

Please Note, based on the version of NX, you need to apply inside the path your NX version (Witness/Meta)

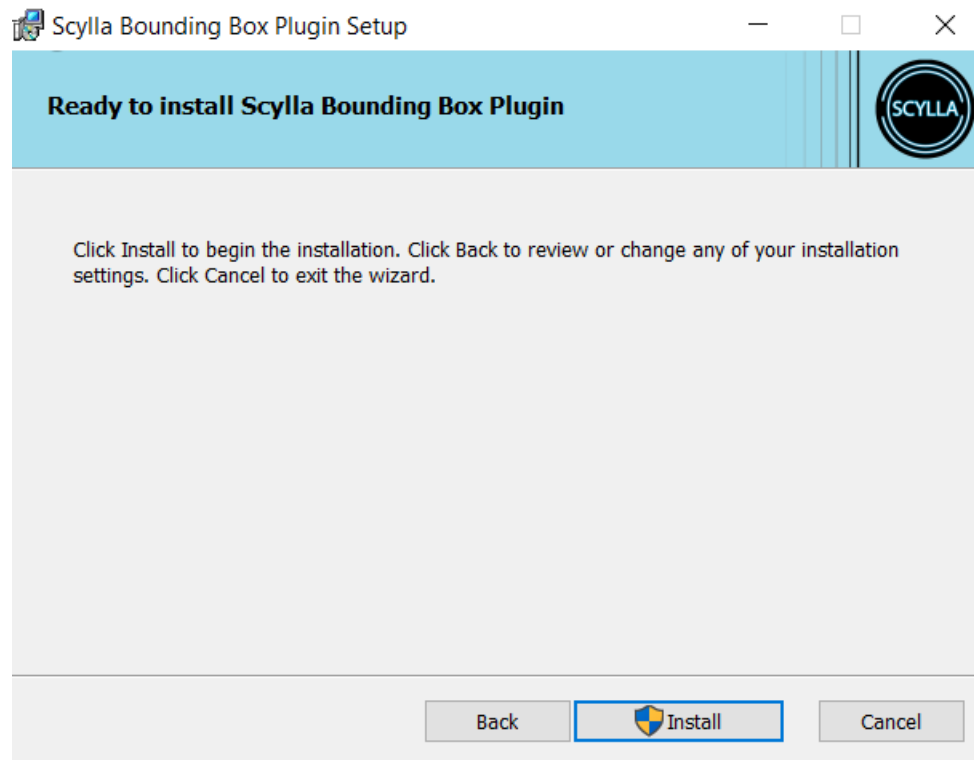
C:\Program Files\Network Optix\Nx Meta\MediaServer\plugins\

OR

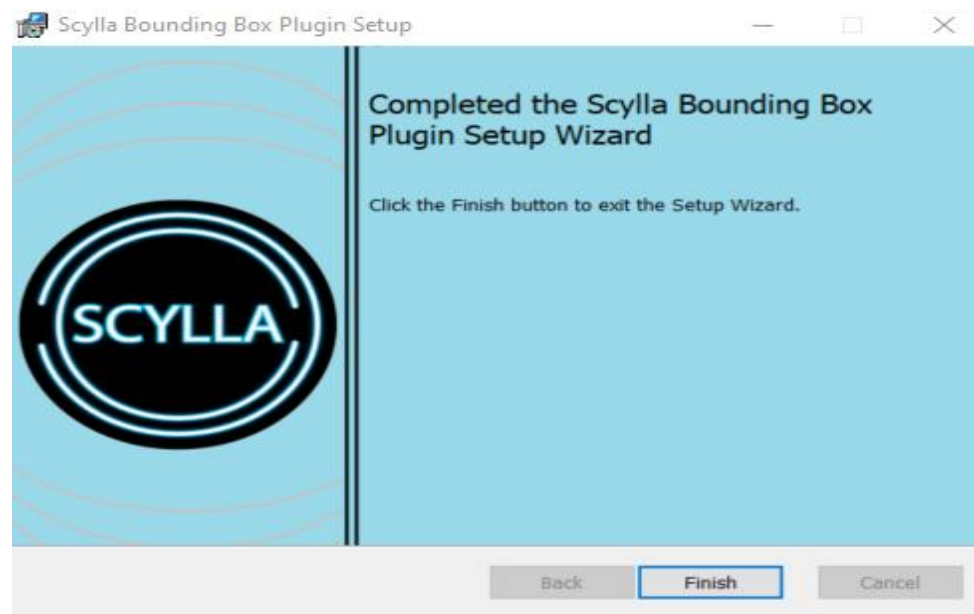
C:\Program Files\Network Optix\Nx Witness\MediaServer\plugins\



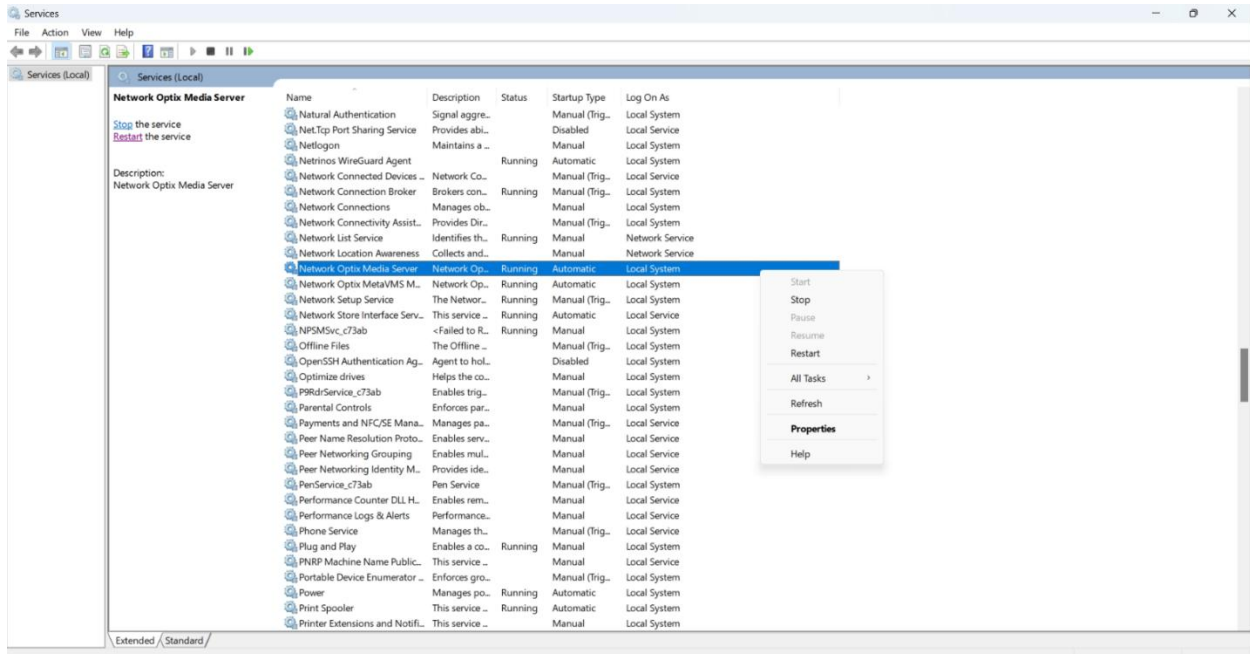
Click **Install**.



Click **Finish**.



After the installation of the plugin, please navigate to *Services* , find the running service **Network Optix Media Server**, right click on it and **Restart** the service

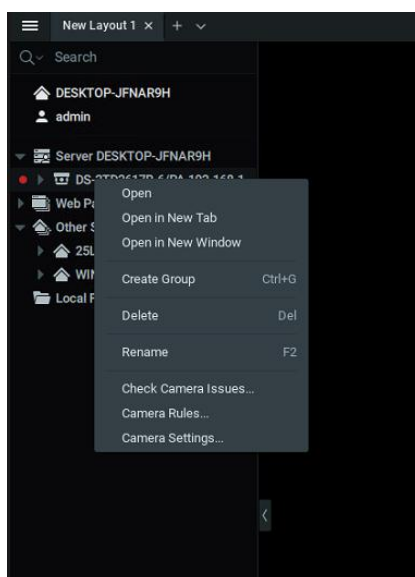


Network Optix Configuration

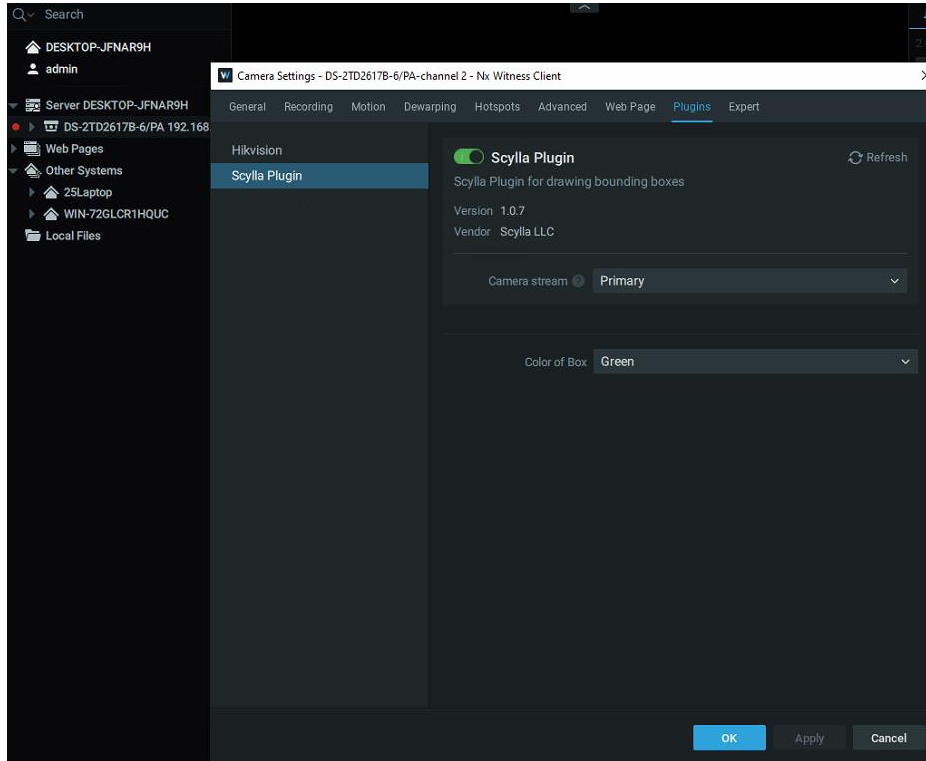
After restarting the service, launch Network Optix VMS.

From the Main Menu, expand the servers tab.

Right-click on the camera, and choose **Camera Settings**



From the Camera Settings, please click on the **Plugins** tab
You will see the **Scylla Plugin**. Double-click on the plugin and enable Scylla .

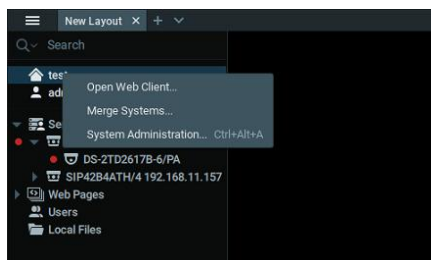


Repeat this for all the cameras that are integrated with Scylla AI.

Event Rule

To display alarms received from Scylla in the notification window, an event rule must be created.

System name -> System Administration



The image shows the Synology DSM interface. At the top, there is a navigation bar with tabs: General, Users, Updates, Licenses, Email, Security, Nx Cloud, Time Sync, Routing, and Advanced. Below this is a 'test' menu with a pencil icon. The 'Event Rules' option in this menu is highlighted with a red rectangular box. Below the menu, there are five icons representing different system features: Event Rules (bell icon), Event Log (document with bell icon), Camera List (three camera icons), Audit Trail (document with person icon), and Bookmarks (bookmark icon). Below these icons is a 'System Settings' section. It contains three settings: 'Enable cameras and servers autodiscovery and automated camera status check' (unchecked), 'Send anonymous usage and crash statistics to software developers (recommended)' (checked), and 'Allow System to optimize camera settings (recommended)' (unchecked). At the bottom right, there are three buttons: 'OK', 'Apply', and 'Cancel'.

Event Rules - No Wireless Client

Filter by cameras...

+ Add - Delete Event Log...

#	On	Event	Source	Action	Target	Interval of Action
	<input type="checkbox"/>	On Camera Disconnected	<Any Camera>	Show desktop notification	All Users	Every 30 seconds
	<input checked="" type="checkbox"/>	On Camera Disconnected	<Any Camera>	Send mobile notification	Role - Owner	Every 6 hours
	<input checked="" type="checkbox"/>	On Camera Disconnected	<Any Camera>	Send email	User admin has invalid email address	Every 6 hours
	<input checked="" type="checkbox"/>	On Camera IP Conflict	<System>	Send mobile notification	Role - Owner	Every 6 hours
	<input checked="" type="checkbox"/>	On Camera IP Conflict	<System>	Send email	User admin has invalid email address	Every 6 hours
	<input checked="" type="checkbox"/>	On Camera IP Conflict	<System>	Show desktop notification	All Users	Every 30 seconds
	<input type="checkbox"/>	On Generic Event	<System>	Bookmark	Source and 1 more Camera	N/A
	<input type="checkbox"/>	On Generic Event	<System>	Show desktop notification	All Users	Instant
	<input checked="" type="checkbox"/>	On License Issue	<System>	Send mobile notification	Role - Owner	Every 6 hours
	<input checked="" type="checkbox"/>	On License Issue	<System>	Send email	User admin has invalid email address	Every 6 hours
	<input checked="" type="checkbox"/>	On License Issue	<System>	Show desktop notification	All Users	Every 30 seconds
	<input checked="" type="checkbox"/>	On Network Issue	<System>	Send mobile notification	Role - Owner	Every 6 hours
	<input checked="" type="checkbox"/>	On Network Issue	<System>	Show desktop notification	All Users	Every 30 seconds
	<input checked="" type="checkbox"/>	On Network Issue	<System>	Send email	User admin has invalid email address	Every 6 hours
	<input checked="" type="checkbox"/>	On Plugin Diagnostic Event	<Any Camera>	Show desktop notification	All Users	Instant
	<input checked="" type="checkbox"/>	On Server Certificate Error	<System>	Send mobile notification	Role - Owner	Every 6 hours
	<input checked="" type="checkbox"/>	On Server Certificate Error	<System>	Show desktop notification	All Users	Every 30 seconds
	<input checked="" type="checkbox"/>	On Server Certificate Error	<System>	Send email	User admin has invalid email address	Every 6 hours
	<input checked="" type="checkbox"/>	On Server Conflict	<System>	Show desktop notification	All Users	Every 30 seconds

Restore All Rules to Default

OK Apply Cancel

Event Rules - Nx Witness Client

+

 Add

−

 Delete

≡

 Event Log...

#	On	Event	Source	→	Action	Target	Interval of Action
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Server Started	<System>		Send mobile notification	Role - Owner	Every 6 hours
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Camera IP Conflict	<System>		Send email	User admin has invalid email address	Every 6 hours
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Camera IP Conflict	<System>		Show desktop notification	All Users	Every 30 seconds
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Server Failure	<System>		Send mobile notification	Role - Owner	Every 6 hours
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Server Conflict	<System>		Send mobile notification	Role - Owner	Every 6 hours
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Camera Disconnected	<Any Camera>		Show desktop notification	All Administrators	Every 1 minute
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	On Generic Event	<System>		Show desktop notification	All Administrators	Every 1 minute

Event

When

Generic Event

Occurs

Source contains:

Keywords separated by space

Caption contains:

Keywords separated by space

Description contains:

Keywords separated by space

☐ Omit Logging

To generate Generic Event, please refer to [Server API](#).

Schedule...

Comments:

Action

Do

Show desktop notification

☒ Interval of action : No more than once per

1

min

to

All Administrators

☐ Force Acknowledgment

Restore All Rules to Default

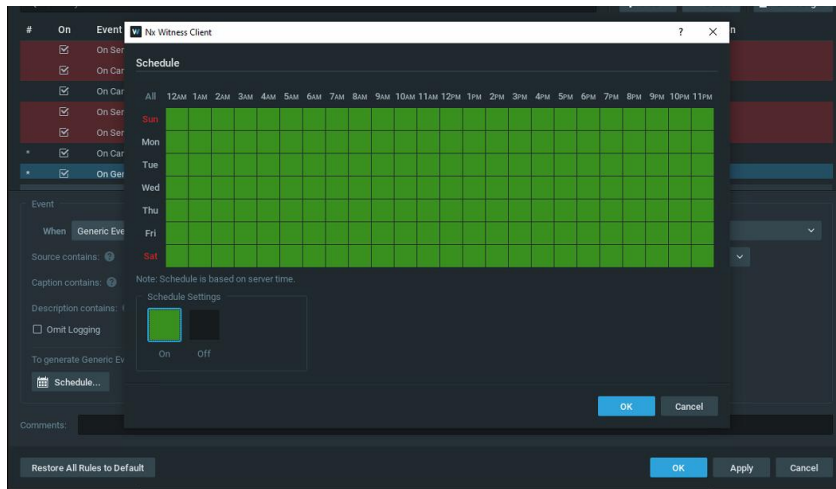
OK

Apply

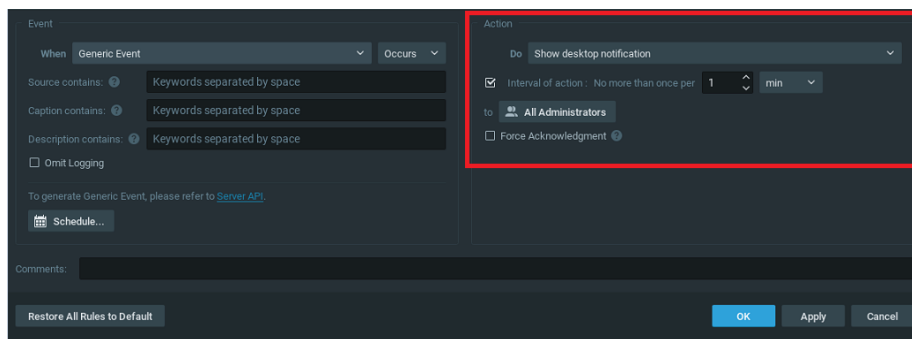
Cancel

In the Event section, select When **Generic Event**.

Now click on the **Schedule** button to configure when this rule will be active. Click OK.



In the Action section, select **Do Show Desktop notification** to display the alarms in the notification tab .

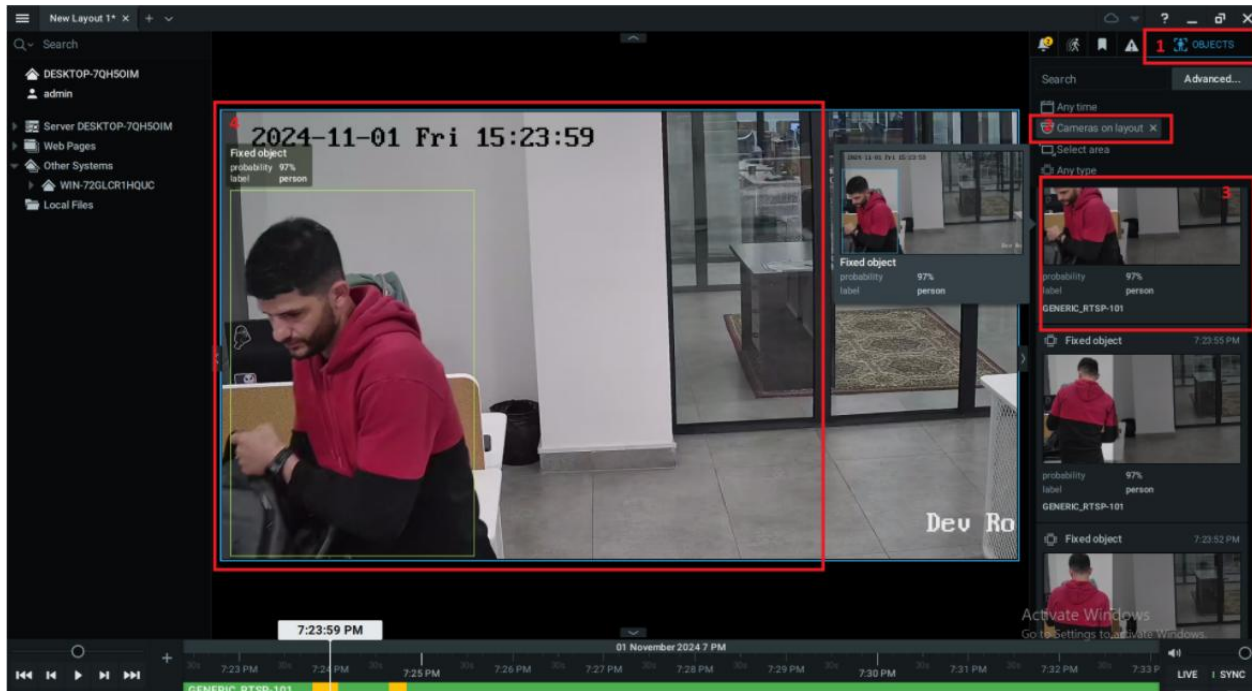


If Force Acknowledgment is enabled, the alarm will stay in the notification window until acknowledged.

Click OK.

Alarms in Network Optix

On the NX VMS main page it is possible to view the alarms in both Objects & Notification tabs.



- 1- Go to Objects.
- 2- Select the desired camera(s).
- 3- Hover over a specific alarm to review its details , double click to view the alarm.
- 4- View the alarm recording (Recording for camera channels must be enabled in NX VMS)

Additionally, the alarms will be displayed in the Notification window.



We value and appreciate your feedback. If you have any questions or suggestions, please contact support@scylla.ai or submit a request to the Scylla Help Center at <https://support.scylla.ai/portal/en/home>.