

Nedap Integration Version User Manual

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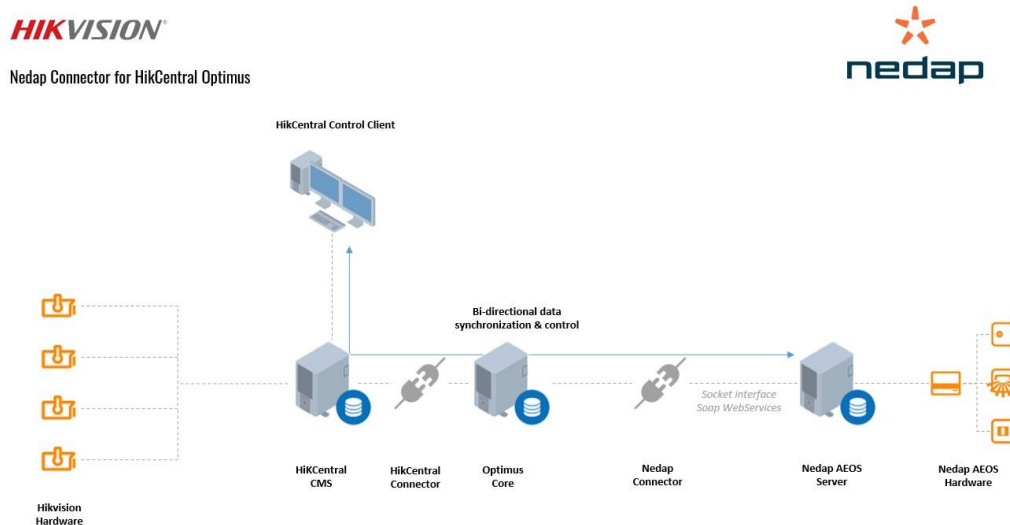
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1. Materials List

Materials List	Description	Version
HikCentral Professional Install package	Customzation	V1.6
Optimus Install package	Base Line	V1.1.1.0
HikCentral - EU Connector Install package	Customzation	V1.0.0.4
Nedap Connector Install package	Customzation	V1.0.0.7
HikCentral Professional User Manual	Base Line	V1.6
Optimus User Manual	Base Line	V1.1.1.0
Nedap Integration version User Manual	Customzation	V1.0

2. Network topology diagram



3. Installation Environment

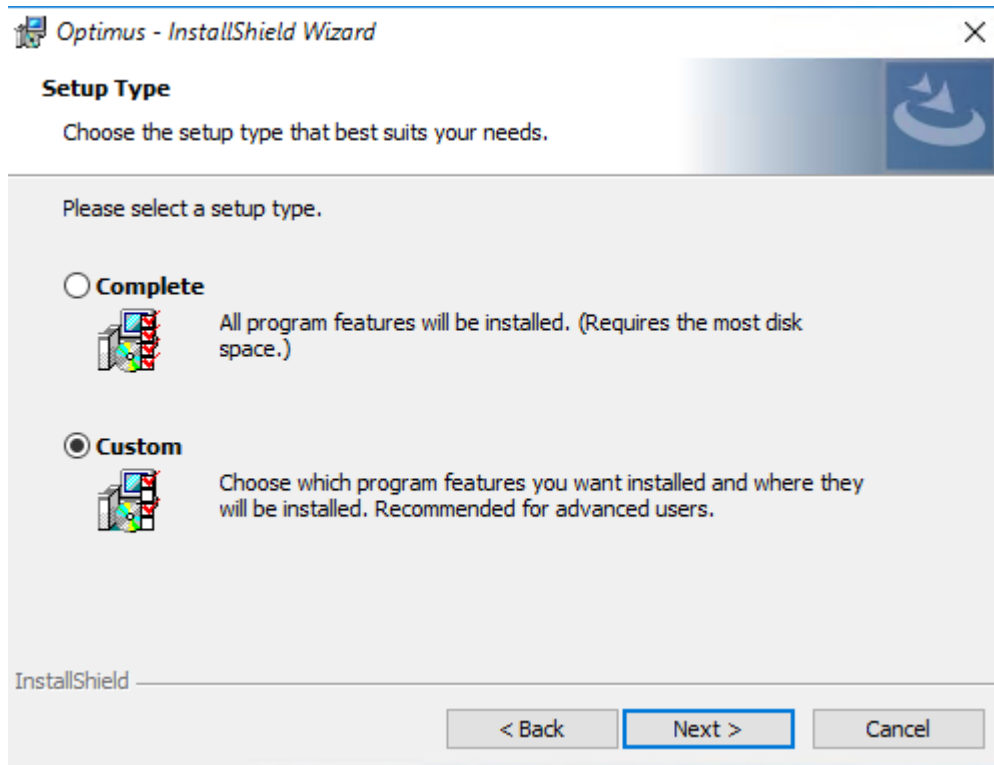
3.1 AEOS Installation

Install the AEOS package.

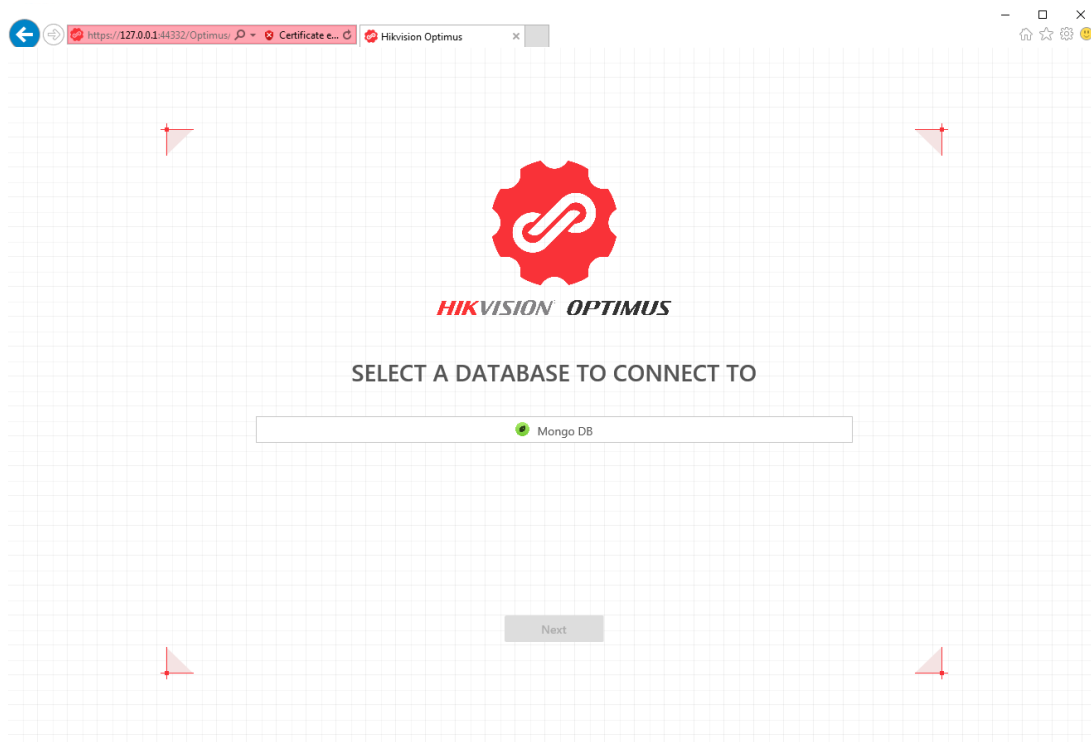
3.2 Optimus Installation

Here is only a brief description, please refer to 《User Manual of Optimus_1.1.1.pdf》 - Chapter 2

1) Double click Optimus install package, select Custom setup type, Note the password and user name you input.

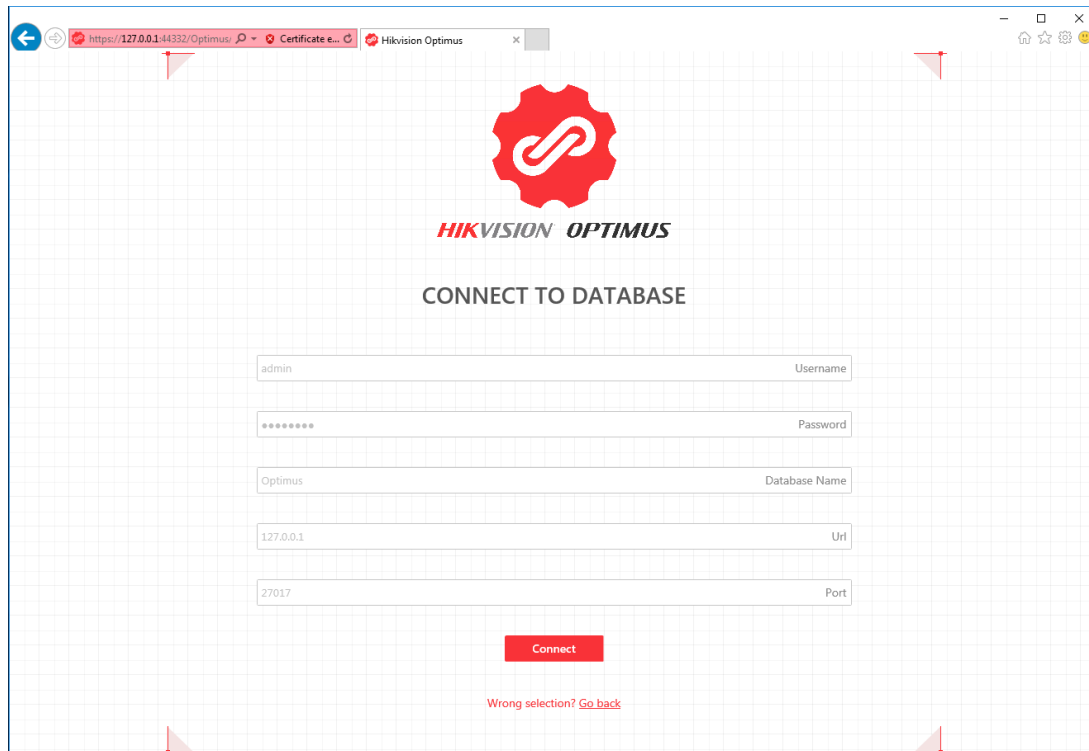


2) After installation is finished, the desktop will automatically generates a shortcut for Optimus Web access, access it through https://ip_address:44332

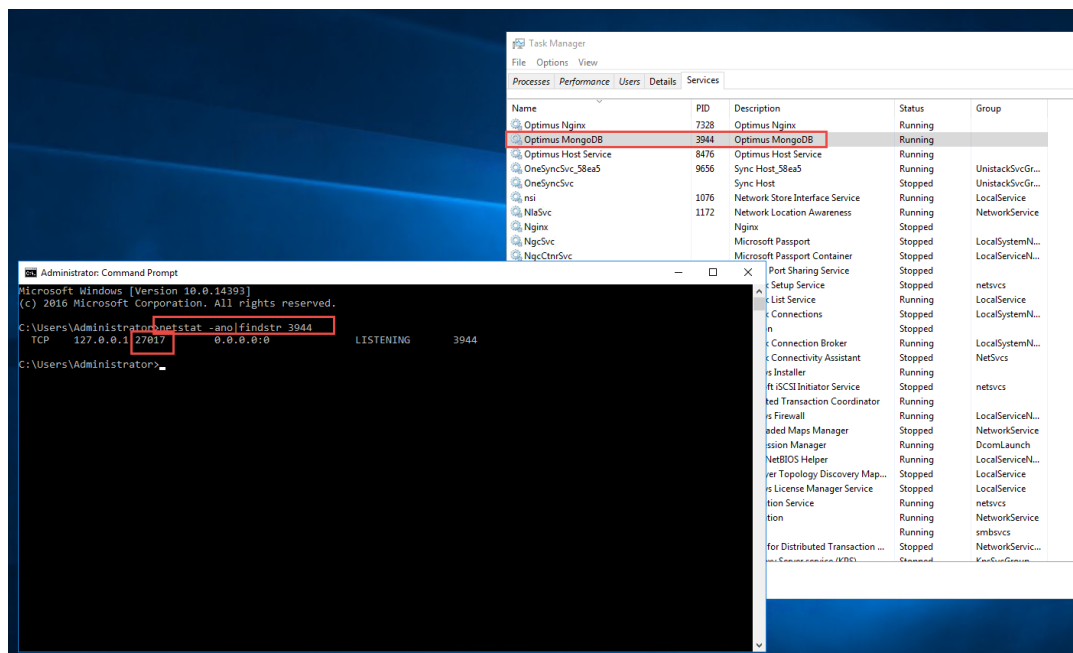


3) When logging in for the first time, you need to choose to connect to the database, and enter the

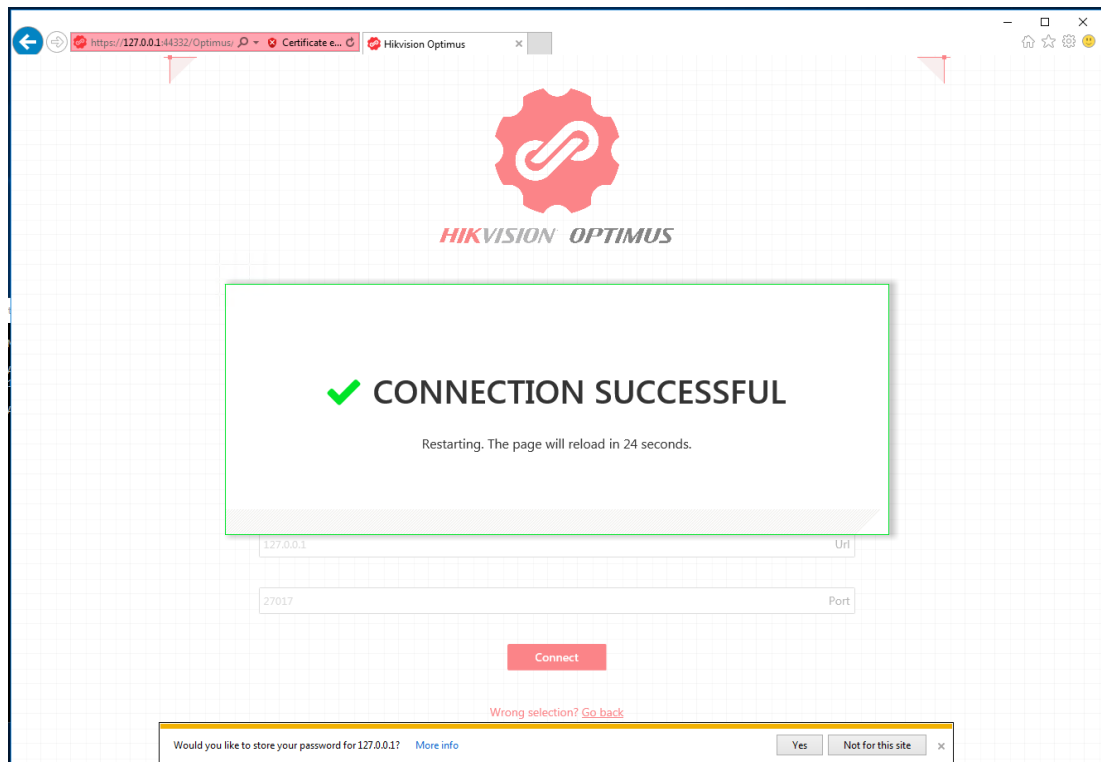
user name and password set during the custom installation (the port defaults to 27017))



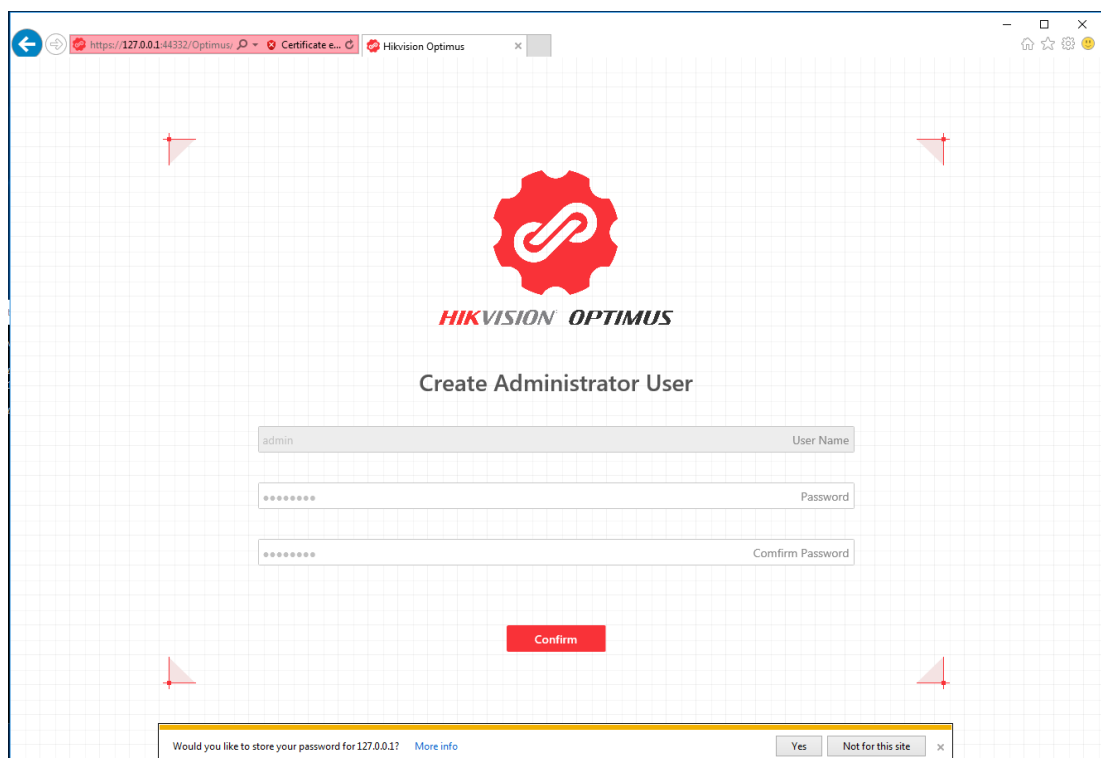
4) If you forget the port number, you can view it by viewing the MongoDB database port



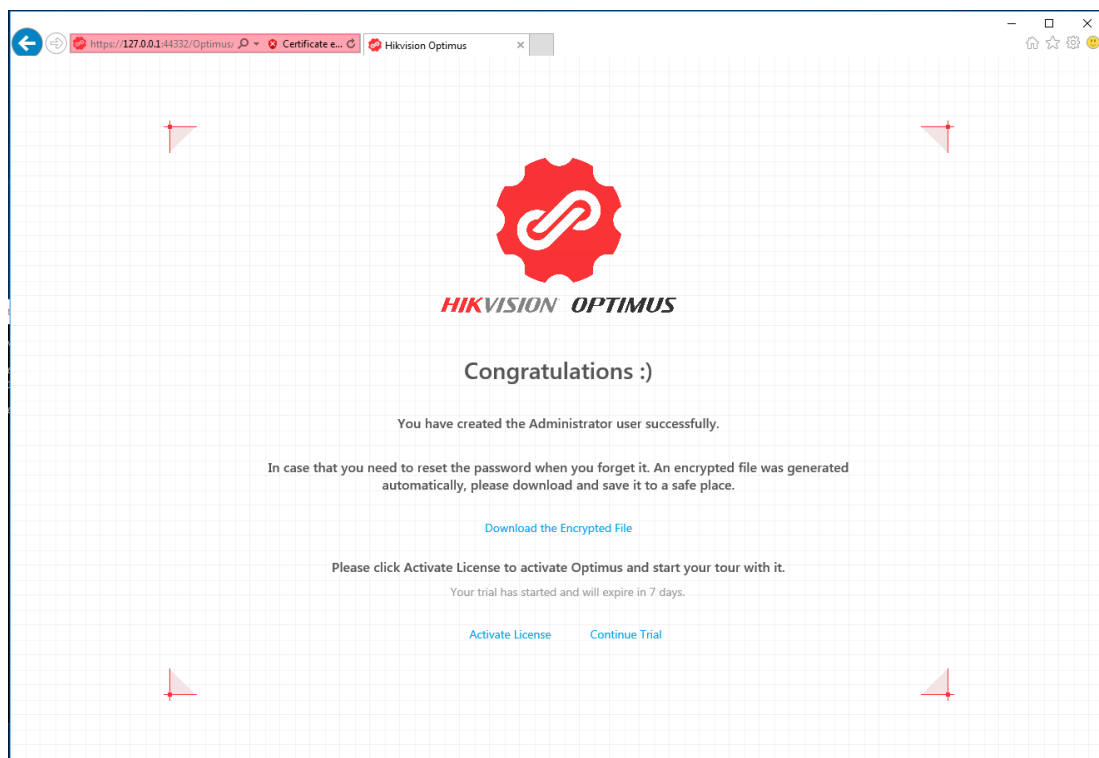
5) Click "Connect" after completion, then it will show that the database connection is successful



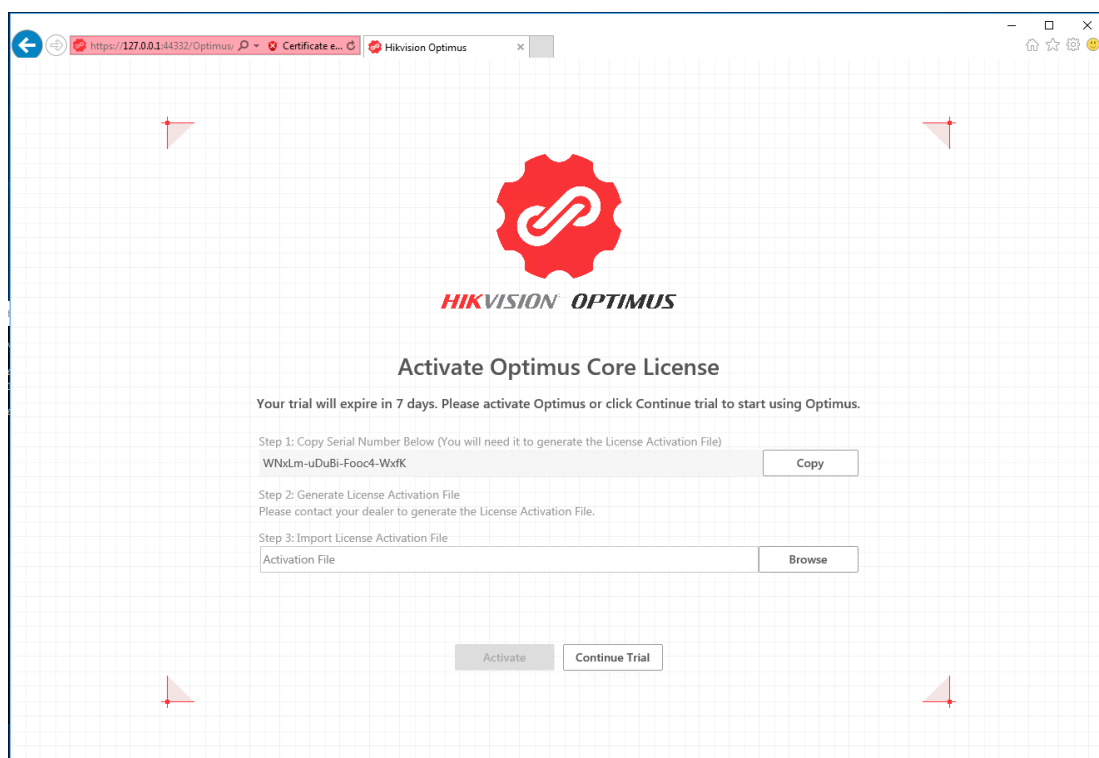
6) press "F5" fresh the interface, Enter the Optimus login page; you need to create an Optimus administrator account for the first login



7) There is a 30-day trial period after the first installation. The official license needs to be activated with the serial number



8) Send the serial number to your Connector administrator to get the official license, which can be activated by importing the file (please refer to Chapter 4 for details on license application)



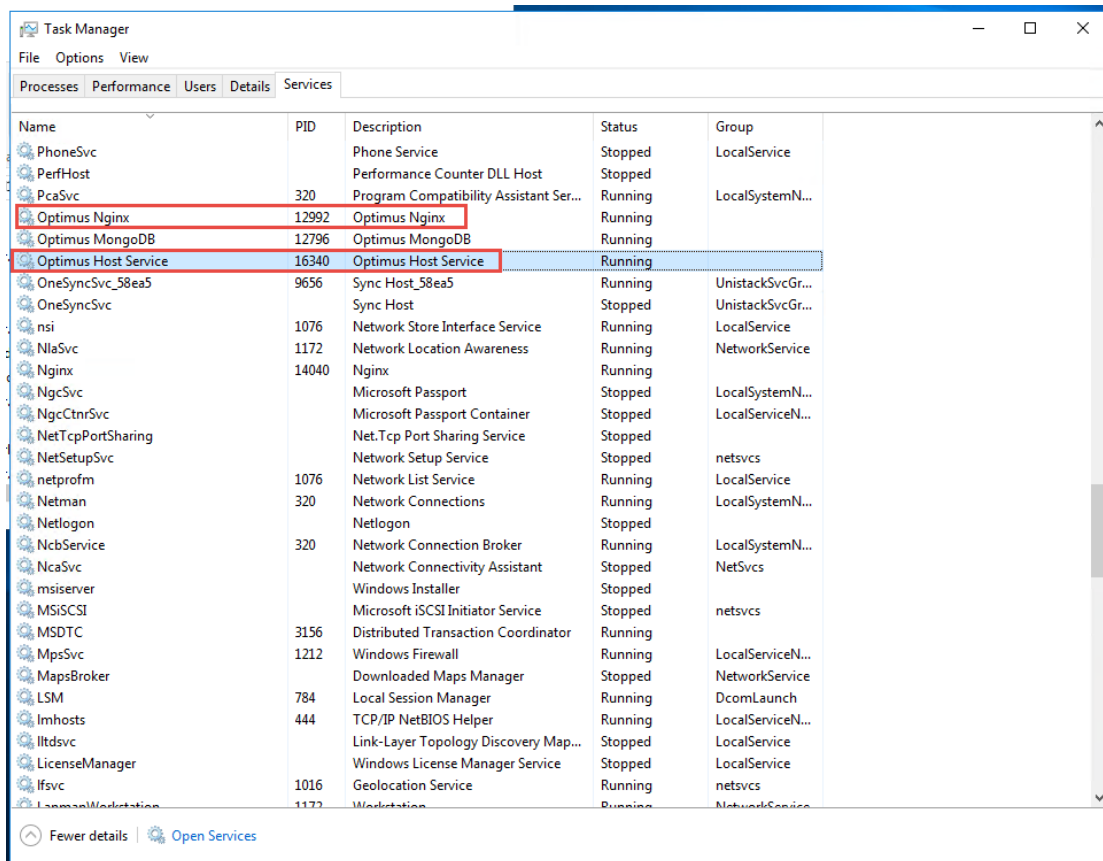
3.3 HikCentral Professional Connector Installation

1) Copy the HikCentral Professional Connector installation package (customized V1.6 version) to the

server where Optimus is located, and double-click to install

3.4 Nedap Connector Installation

1) Manually stop the Optimus service (including Optimus Core, Optimus Nginx)

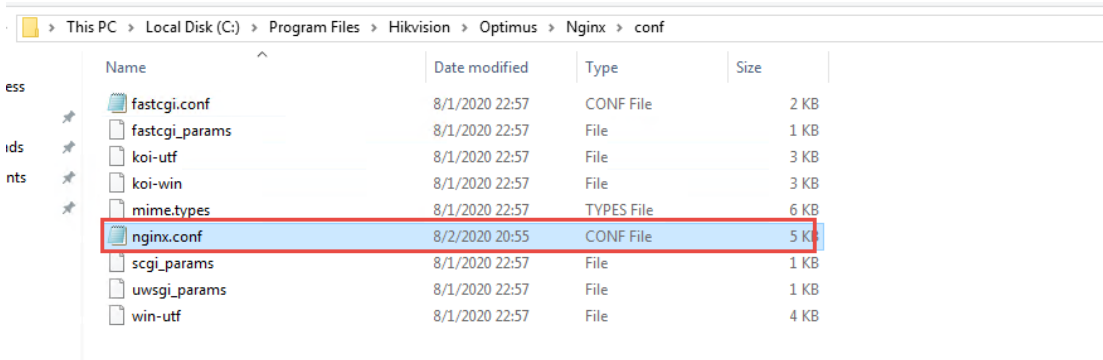


2) Copy the Nedap Connector installation package to the server where Optimus is located, and double-click to install

3) After the installation is complete, manually replace the configuration file in the original Optimus Nginx with nginx.conf in the Config folder under the result path

Source file path : C:\Program Files\Hikvision\Optimus\Connectors\d5bcfa77-28bc-d31b-c067-39f6ea1bcafe\Nedap\Config\nginx.conf

Replacement path : C:\Program Files\Hikvision\Optimus\Nginx\conf\nginx.conf



4) Restart the Optimus service (Optimus Core, Optimus Nginx)

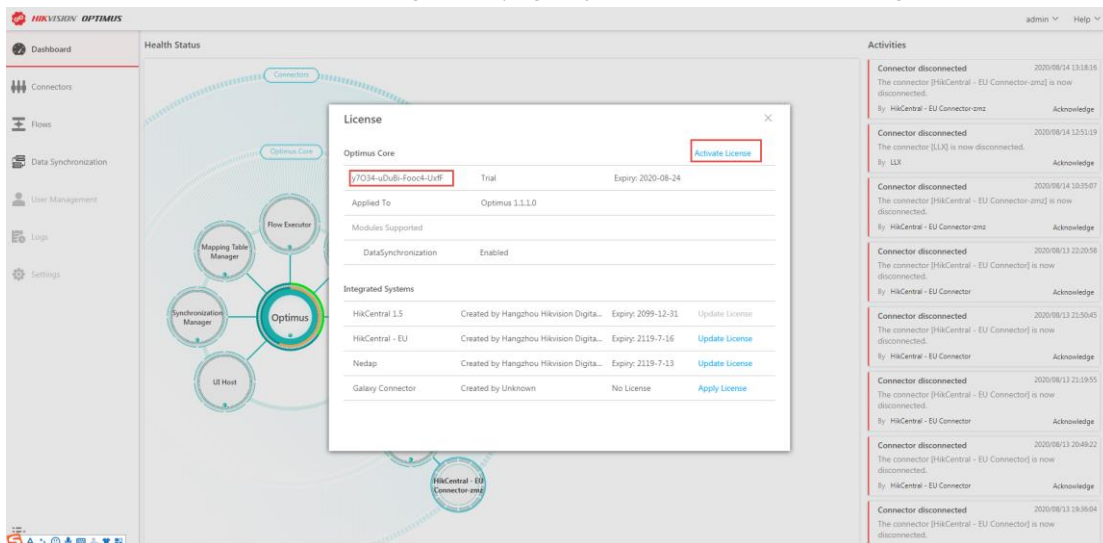
3.5 HikCentral Professional Installation

- 1) Use customized HikCentral Professional V1.6 installation package, double-click to install

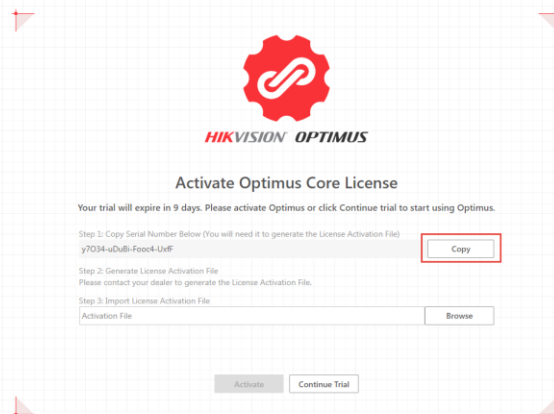
4. License application

4.1 Optimus Connector License

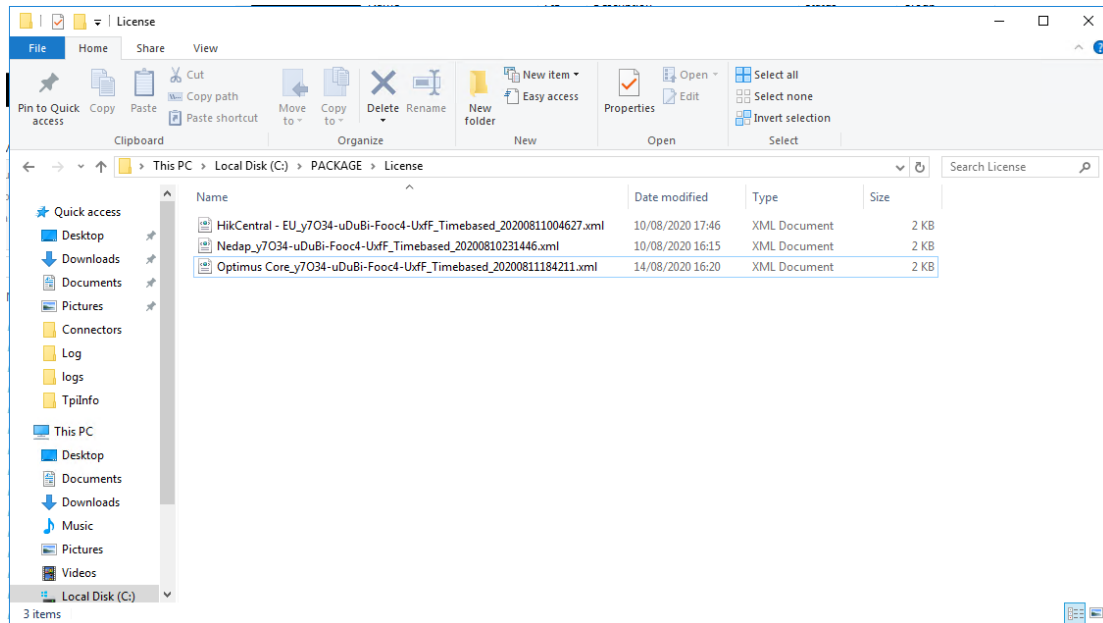
- 1) After the Optimus installation, a server unique serial number is generated, which can also be viewed on the license management page if you have selected "trial" login.



- 2) Click "Activate License" to enter the same "License activation page" as when the installation was completed, and send that serial number to your Connector administrator.



- 3) The administrator will return you three license files as shown below, Optimus Core, Nedap Connector, HikCentral EU Connector. Import these licenses into your system and activate them.



- 4) Nedap Connector/HikCentral - EU Connector activation is similar, you need to log in to Optimus and select the corresponding Connector in the License Management interface to request a license.



- 5) When the activation is complete, you can see the expiration date shown in the details.

License

Optimus Core [Deactivate License](#)

y7034-uDuBi-Fooc4-UxFF Activated Expiry: 2119-07-13

Applied To Optimus 1.1.1.0

Modules Supported

DataSynchronization Enabled

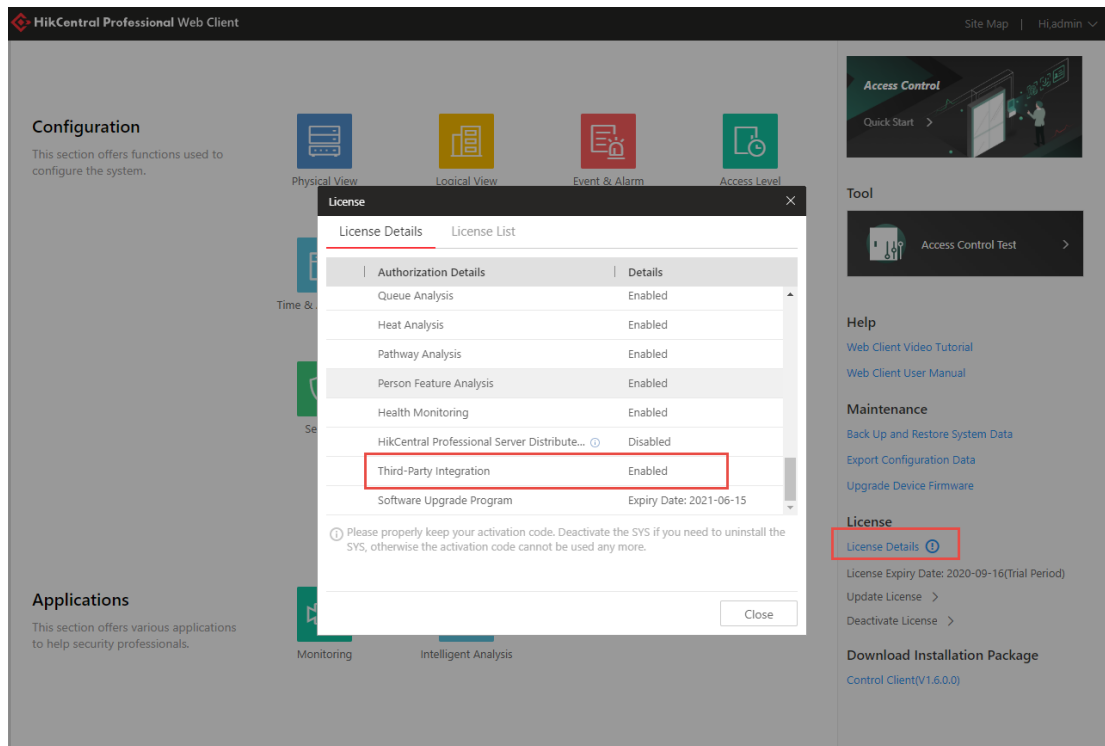
Integrated Systems

HikCentral 1.5	Created by Hangzhou Hikvision Digita...	Expiry: 2099-12-31	Update License
HikCenta - EU	Created by Hangzhou Hikvision Digita...	Expiry: 2119-7-16	Update License
Nedap	Created by Hangzhou Hikvision Digita...	Expiry: 2119-7-13	Update License

Connector administrators should contact: wangying5@hikvision.com.

4.2 HikCentral Professional License

Make sure that your HikCentral Professional License has Third-Party Integration module permissions, which can be viewed by logging into HikCentral WebClient - Home - License Details. If you do not have permissions, request them separately.



5. Configuration

5.1 AEOS Configuration

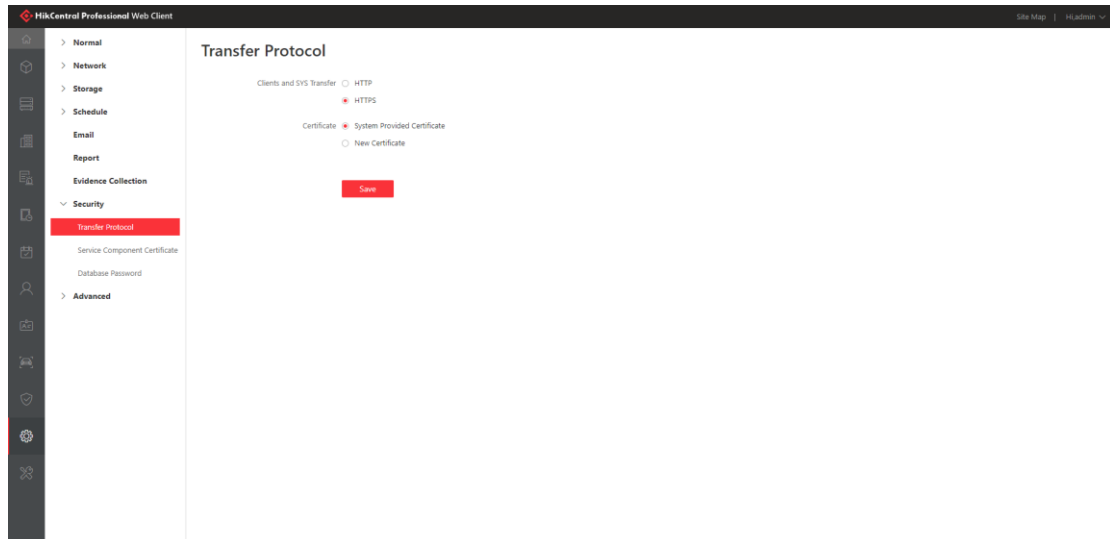
Please refer to the Nedap user manual to configure AEOS system.

5.2 HikCentral Professional Configuration

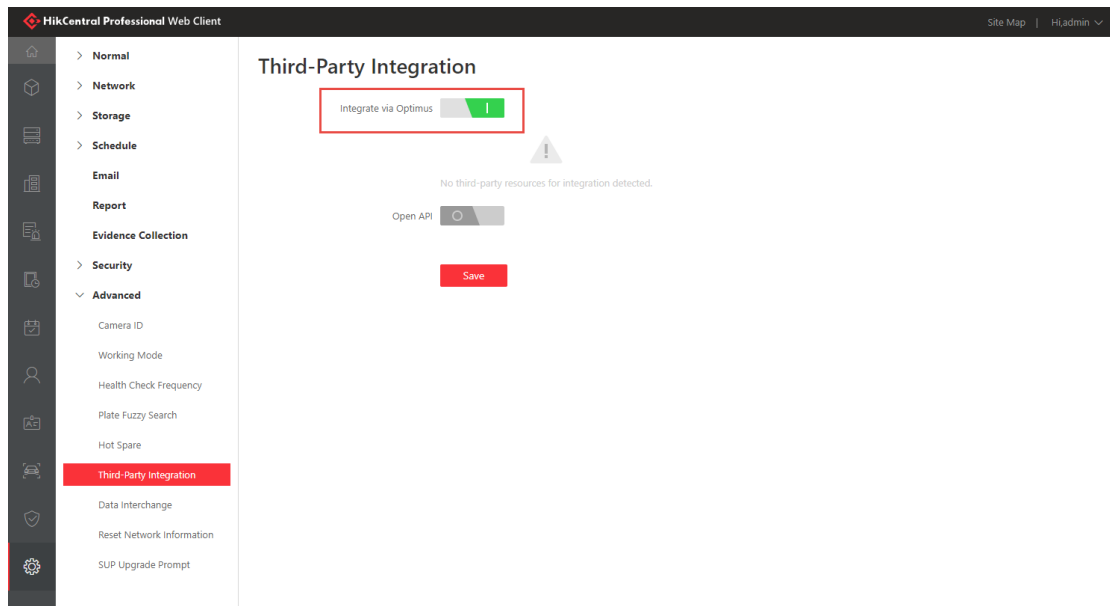
5.1.1 Integration Configuration

5.2.2.1 Optimus Configuration

- 1) Login to Web Client-System-Security-Transfer Protocol, switch to HTTPS mode.



2) Go to System – Advanced – Third-Party Integration, enable Integrate Via Optimus.

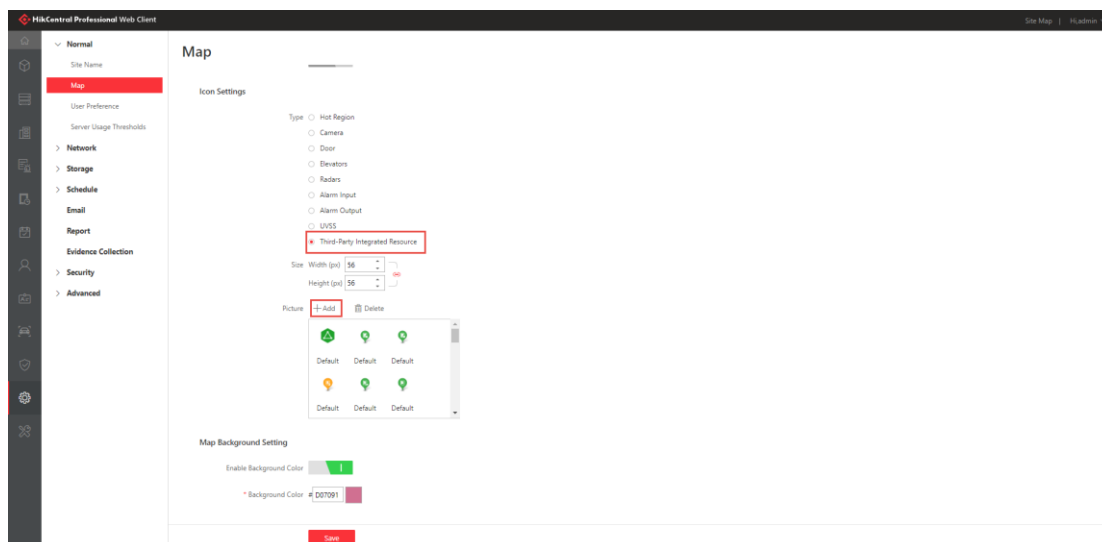


5.1.2 Function Configuration

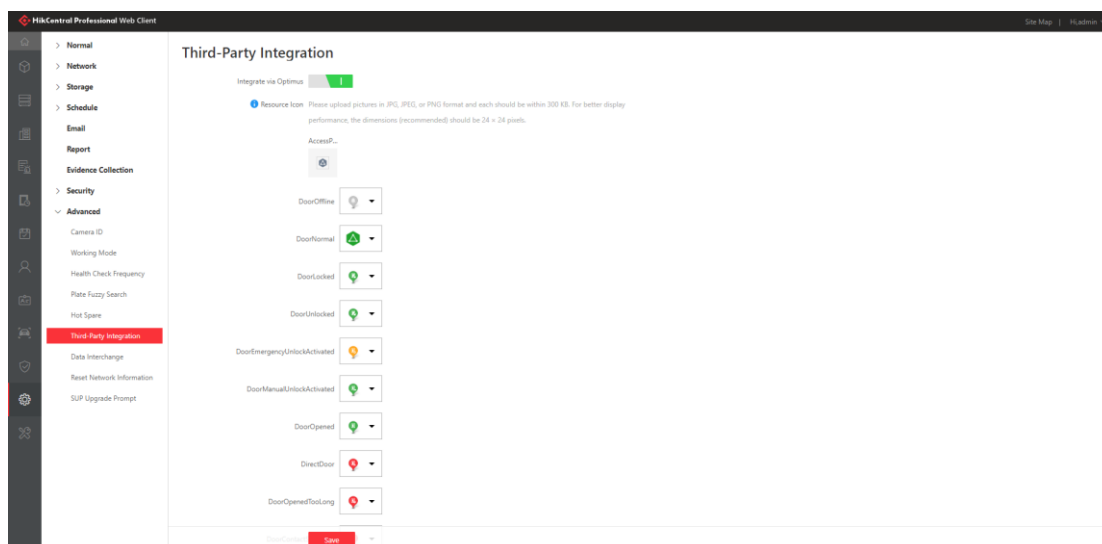
5.2.2.1 Nedap Resource Status Configuration

It is optional for the user to change the default icons for different status.

1) Go to Web Client-System – Normal – Map, add new icons as required.



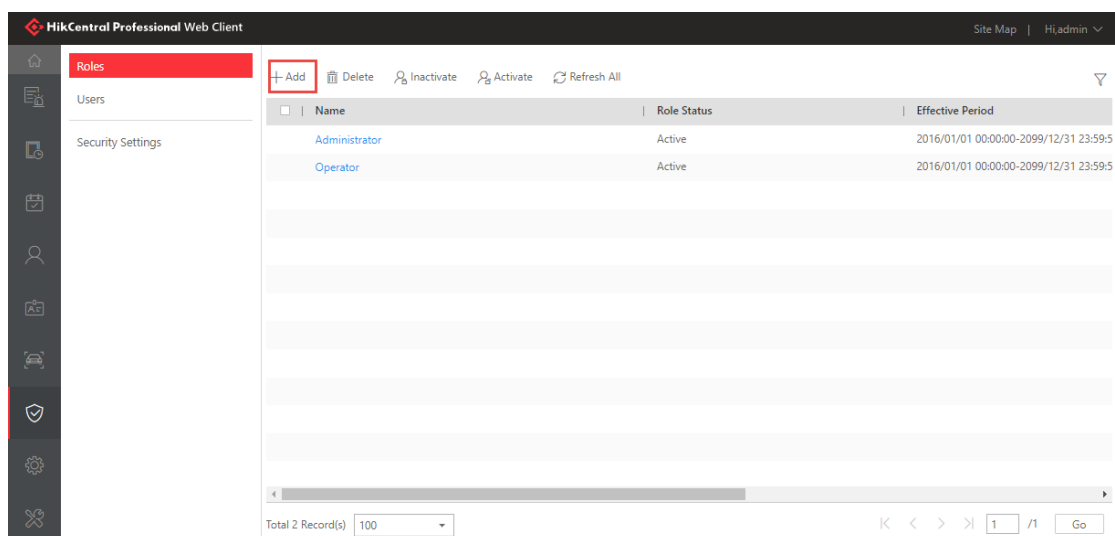
2) System – Advanced – ThirdParty Integration, select the newly added icons for different status and save.



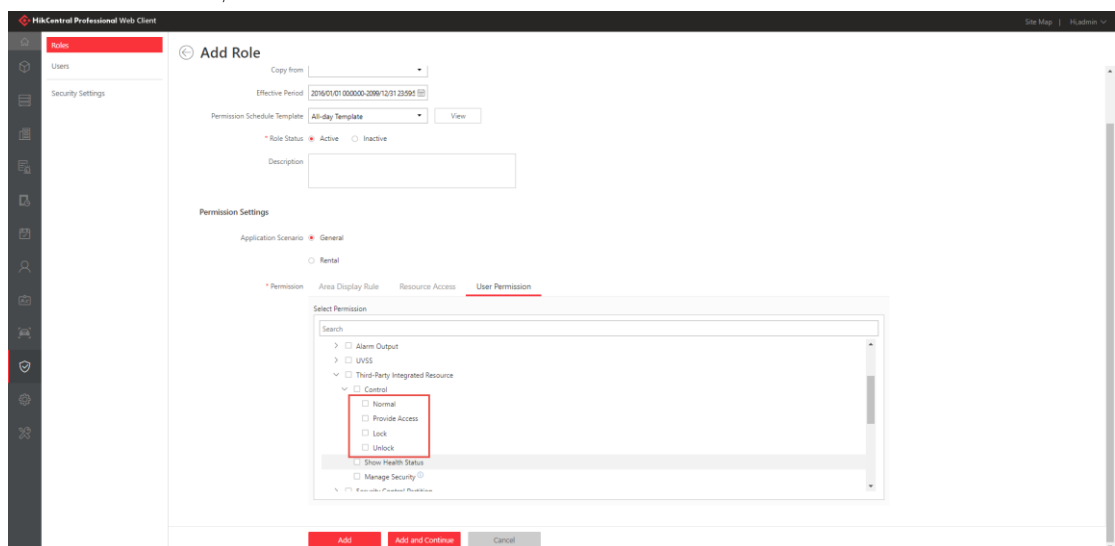
5.1.2.2 Permission Control for Nedap Resource

For Nedap Access Point, there are four actions available for users with relevant permission. You can allocate the permission to different users as needed.

1) Go to Web Client- Security – Roles, add a role.



2) Under Permission Settings-User Permission – Resource Permission – Third-Party Integrated Resource – Control, check the relevant box and save.

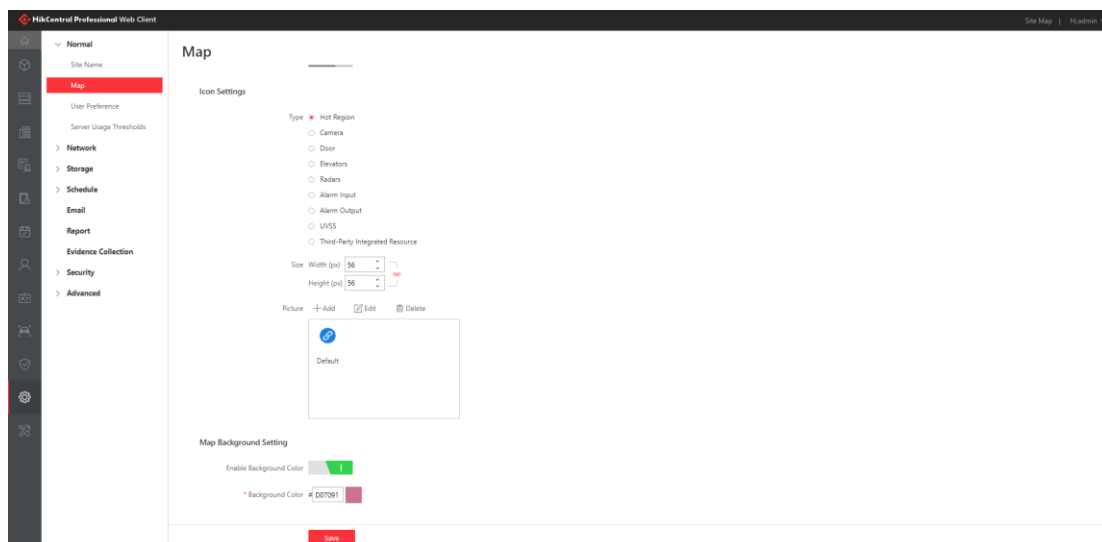


3) Go to Users, add a new user and assign the role to the user

5.1.2.3 Emap Background Configuration

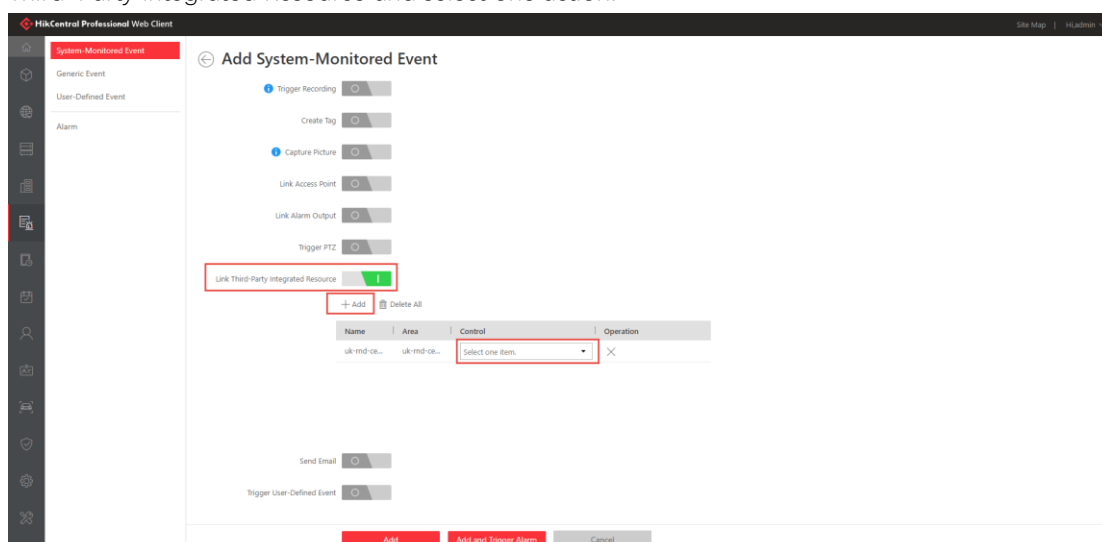
It is optional to change the default Emap background color according to your preference.

1) Go to Web Client-System – Normal – Map, enable background color and change to your preferred color.



5.1.2.4 Hikvision Alarm Control over Nedap Resource

1) Go to Web Client-Alarm&Event- System-Monitored Event, add an event and enable Link Third-Party Integrated Resource and select one action.



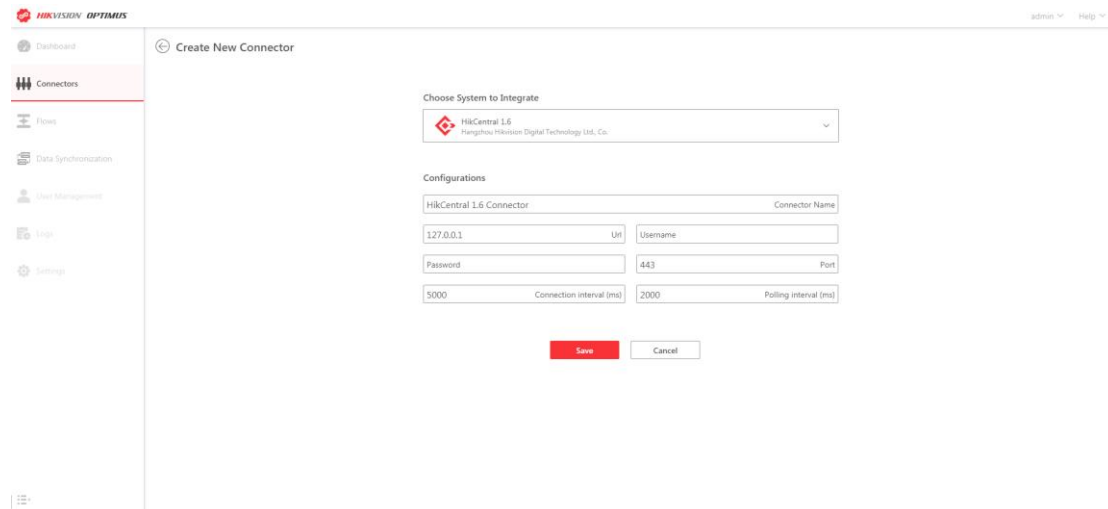
2) When the event is triggered, the command will be sent to Nedap automatically.

5.2 Optimus Configuration

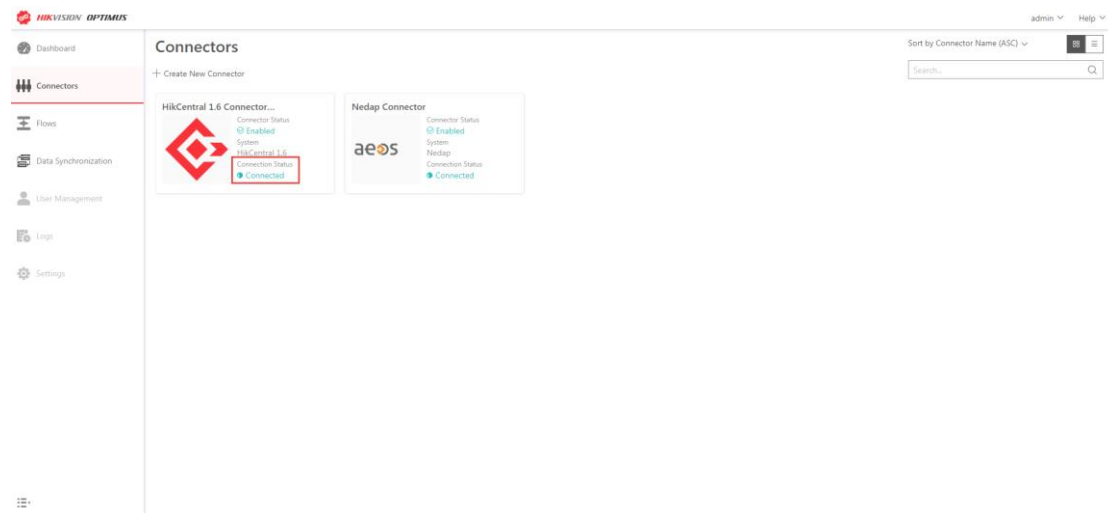
5.2.1 Connector Configuration

5.2.1.1 HikCentral Professional Connector Configuration

1) Login to Optimus via <https://ipaddress:44332>, and go to Connector, add HikCentral 1.6 Connector.



2) The status will show “Connected”.



5.2.1.2 Nedap Connector Configuration

1) Add Nedap Connector , input AEOS IP/AEOS WebService port(8443)/AEOS TCP (8035) /AEOS password.

HIKVISION OPTIMUS

admin Help

Dashboard

Connectors

Flows

Data Synchronization

User Management

Login

Settings

Create New Connector

Choose System to Integrate

Nedap
Hikvision Digital Technology Ltd., Co.

Configurations

Nedap Connector Connector Name

10.199.26.247 Ip Address 8443 AEOS Server Port

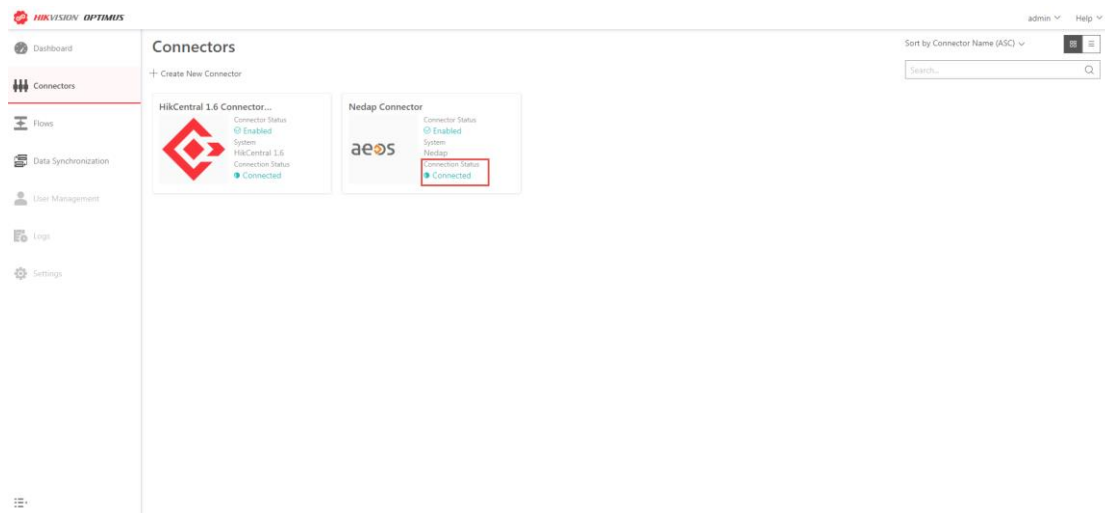
8035 AEOS Server TCP Port Administrator AEOS Server User Name

***** AEOS Server Password

Advanced Settings

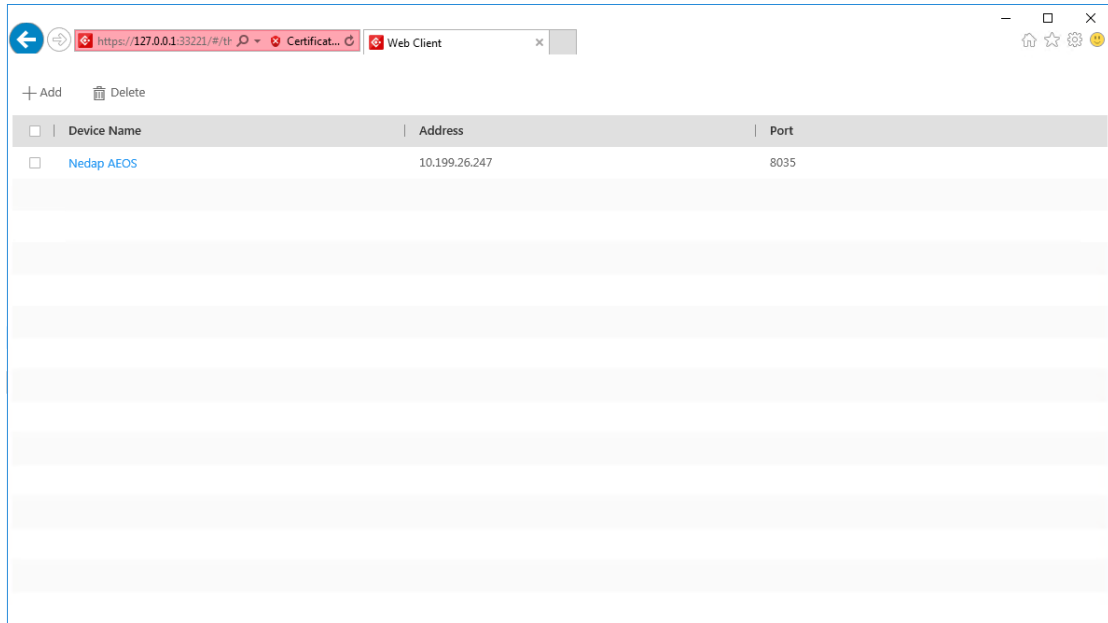
Save Cancel

2) The status will show "Connected".

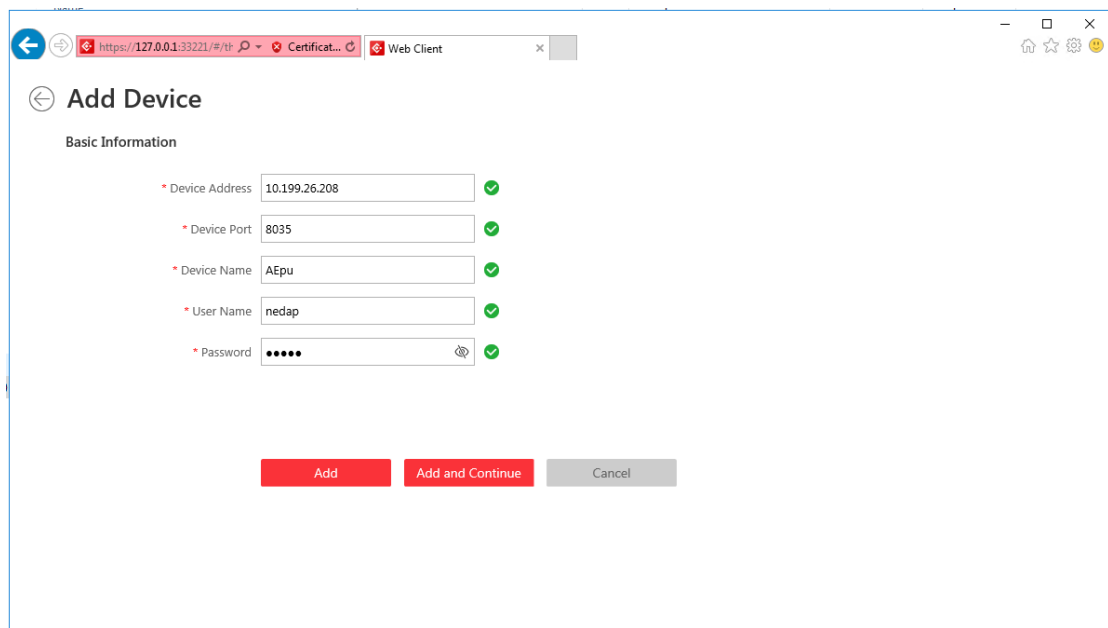


5.2.1.3 Adding Device (only applicable when you want to integrate some certain device rather than entire AEOS system)

1) Go to Optimus Server and login to the connector via <https://127.0.0.1:33221>. It only allows access via 127.0.0.1



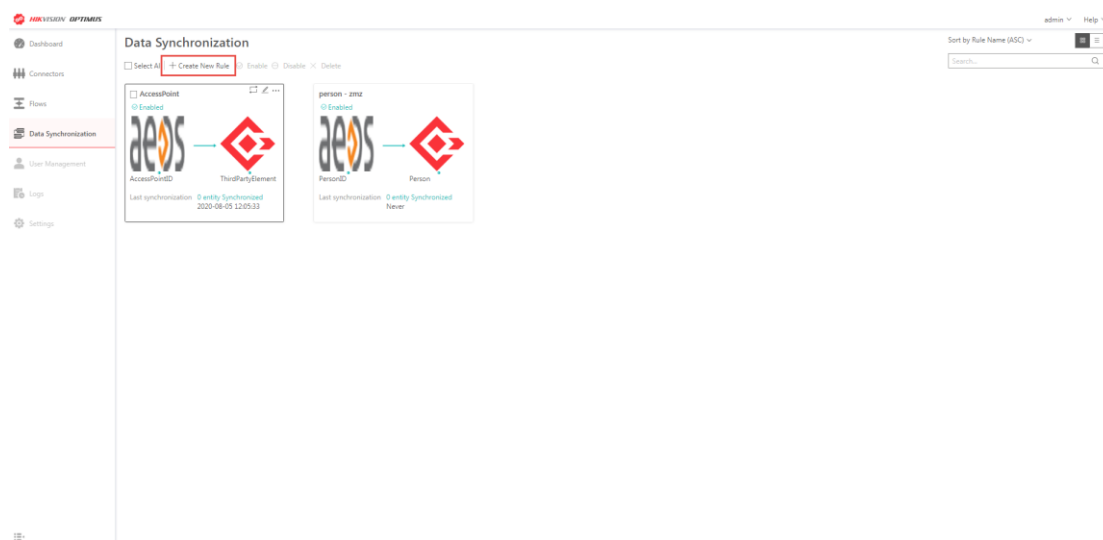
2) Add device as needed.



5.2.2 Data Synchronization

5.2.2.1 Access Point

1) Go to Optimus Webpage-Data Synchronization, create new Rule



2) Data can be synchronized Schedulely or manually.

Destination: HikCentral 1.6

Entity Type: ThirdPartyElement

Source: Nedap Connector

Entity Type: AccessPoint

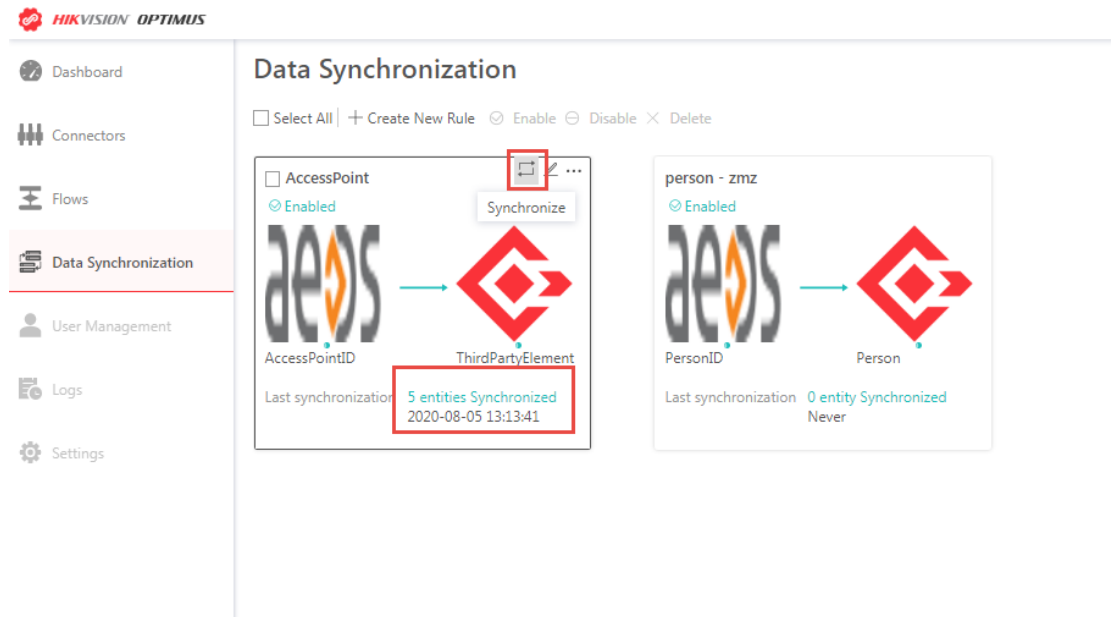
Refer to the chart below ((* item is mandatory).

EntityType		AccessPoint	
Synchronization Type		Every 3 Minutes	
Destination		HikCentral 1.6 Connector - ThirdPartyElement	
Source		Nedap Connector - AccessPoint	
Destination Item	Description	Source Item	Description
*ID	ElementID in HikCentral	ID	Device GUID(create automatically) + AEpu name + AEbc name
*Name	Element Name in Logical View	Name	AEpu name + AEbc name
*AreaName	Area Name in Logical View	Area Name	<i>Customizable, Default AEpu name</i>
*TypeName	Type Name in Logical View	Type Name	"AccessPoint"
*PlatformName	Manufaturer in Third-Party Integrated Resource	Platform Name	<i>Customizable, Default "Nedap"</i>
*Online	Online Status: Online/Offline	Online	1:Online 0:Offline
OperationListJson	Control functions show in Control Client	Operation List	Lock/Unlock/Normal/ProvideAccess

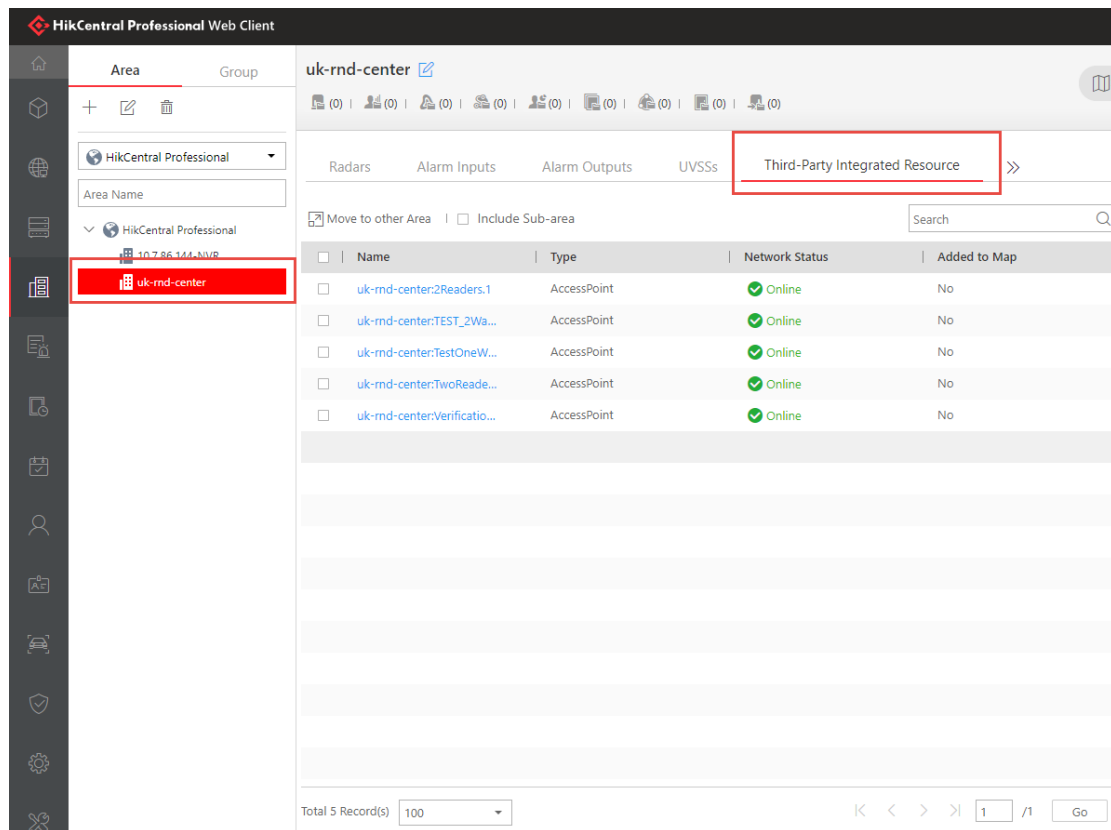
StatusListJson	Element Status show in Emap/Health monitor	Status List	AccessPoint Status, details in C:\Program Files\Hikvision\Optimus\Connectors\NedapV1.0\AeosEvent.csv
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3) It's also possible to add a string rather than selecting default entity.

4) After configuration, click manual synchronization to syncn data immediately.



5) Go to HikCentral Professional Web Client-Logical View-Third-Party Integrated Resource, check the resource synchronized.



5.2.2.2 Detector

Similar to 5.2.2.1 Access Point. Configure Detector synchronization according the chart below.

EntityType	Detector
Synchronization Type	Every 3 Minutes
Destination	HikCentral 1.6 Connector -

		ThirdPartyElement	
Source		Nedap Connector - Detector	
Destination Item	Description	Source Item	Description
*ID	ElementID in HikCentral	ID	Device GUID(create automatically) + AEpu name + AEbc name
*Name	Element Name in Logical View	Name	AEpu name + AEbc name
*AreaName	Area Name in Logical View	Area Name	<i>Customizable, Default AEpu name</i>
*TypeName	Type Name in Logical View	Type Name	"Detector"
*PlatformName	Manufaturer in Third-Party Integrated Resource	Platform Name	<i>Customizable, Default "Nedap"</i>
*Online	Online Status: Online/Offline	Online	1:Online 0:Offline
OperationListJson	Control functions show in Control Client	Operation List	Inhibit/Uninhibit/Isolate/StopIsolation/RestoreAlarm
StatusListJson	Element Status show in Emap/Health monitor	Status List	Detector Status, details in C:\Program Files\Hikvision\Optimus\Connectors\NedapV1.0\AeosEvent.csv

5.2.2.3 Area

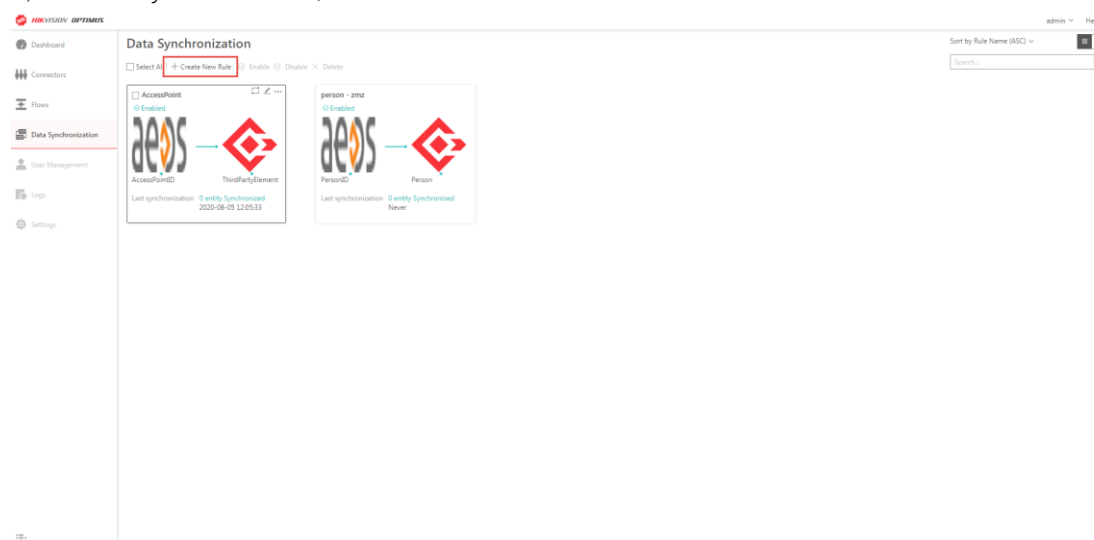
Similar to 5.2.2.1 Access Point. Configure Area synchronization according the chart below.

EntityType		Area	
Synchronization Type		Every 3 Minutes	
Destination		HikCentral 1.6 Connector - ThirdPartyElement	
Source		Nedap Connector - Area	
Destination Item	Description	Source Item	Description
*ID	ElementID in HikCentral	ID	Device GUID(create automatically) + AEpu name + AEbc name
*Name	Element Name in Logical View	Name	AEpu name + AEbc name
*AreaName	Area Name in Logical View	Area Name	<i>Customizable, Default AEpu name</i>

*TypeName	Type Name in Logical View	Type Name	"Detector"
*PlatformName	Manufacturer in Third-Party Integrated Resource	Platform Name	Customizable, Default "Nedap"
*Online	Online Status: Online/Offline	Online	1:Online 0:Offline
OperationListJson	Control functions show in Control Client	Operation List	Arm/ForceArm/Disarm/Test/StopTest/StartSelfTest/CancelSelfTest
StatusListJson	Element Status show in Emap/Health monitor	Status List	Area Status, details in C:\Program Files\Hikvision\Optimus\Connectors\NedapV1.0\AeosEvent.csv

5.2.2.4 Person

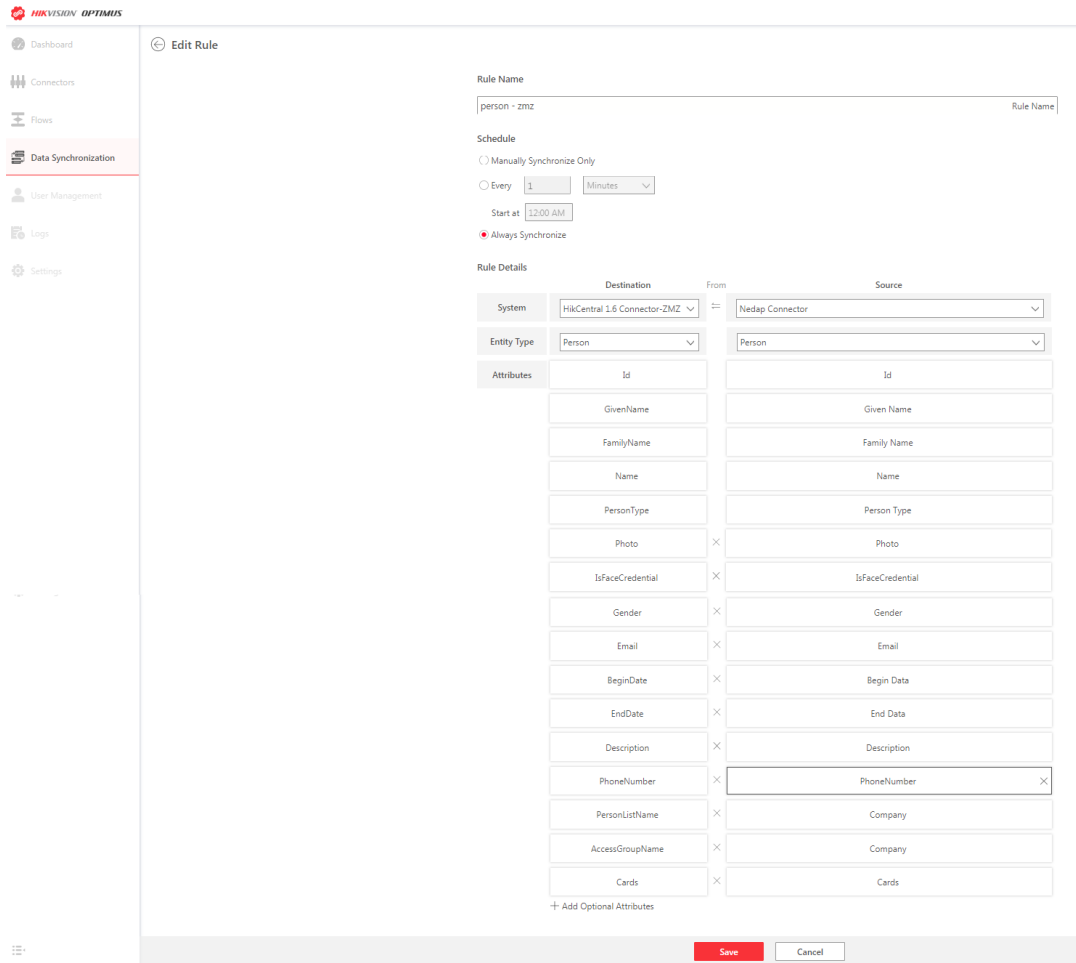
1) In Data Synchronization, create a new rule



2) Select "Always Synchronize". In this way, all data will be synchronized on midnight everyday and before the schedule synchronization, the newly added person will be synchronized immediately when the person accessing.

EntityType		Person	
Synchronization Type		Always	
Destination		HikCentral 1.6 Connector - Person	
Source		Nedap Connector - Person	
Destination Item	Description	Source Item	Description
*Id	Person ID in Person module	Id	Carrier ID in AEOS

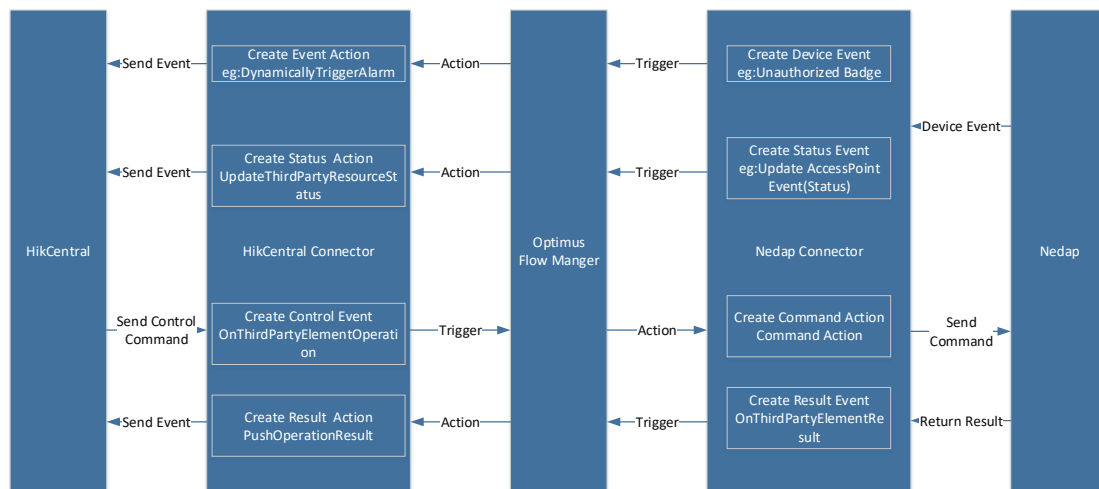
*GivenName	Last Name in Person module	Given Name	Given Name and Middle Name in AEOS
*FamilyName	First Name in Person module	Family Name	Family Name in AEOS
*Name	Person full name in Person module	Name	Carrier name consist of :Given Name,Middle Name,Family Name
*PersonType	Define where person come from: Domain, Normal	Person Type	Normal Type
Photo	Profile in Person module	Photo	Person's profile from AEOS(Binary)
IsFaceCredential	Define whether use the photo as a Access Control Credential(useful in Hikvision Face Terminals)	IsFaceCredential	Default '1'
Gender	Gender in Person module	Gender	Gender from AEOS
Email	Email in Person module	Email	Email from AEOS
*BeginData	Effective Period in Person module	Begin Date	Begin Date of Person from AEOS
End Data	Effective Period in Person module	End Date	End Date of Person from AEOS
Description	Remark in Person module	Description	<i>Customizable, 'Default 'Nedap'</i>
PhoneNumber	Phone in Person module	PhoneNumber	Phone from AEOS
PersonListName	Person List Name in Person module	Department	Department from AEOS
AccessGroupName	Access Group Name in Person module	Department	Department from AEOS
Cards	Card number in Person module	Cards	Badge number list from AEOS



4) After configuration, the system will immediately synchronize all data. Then you can go to HikCentral Professional WebClient-Person, check the person data synchronized.

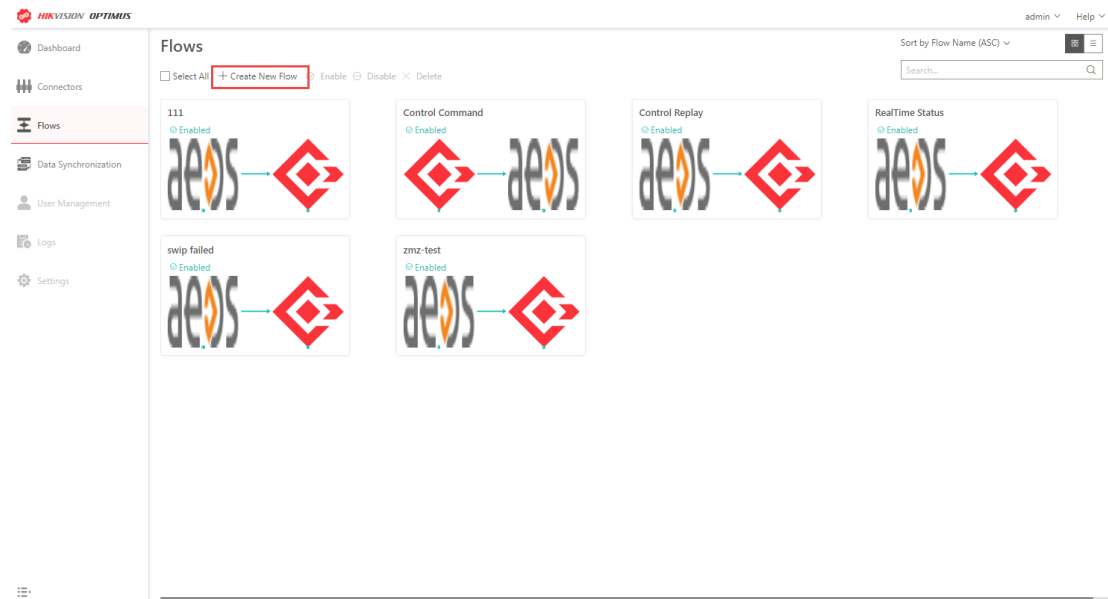
5.2.3 Flow Configuration

Under Optimus, a complete flow mainly includes two parts, i.e. Trigger and Response. The workflow is shown below:

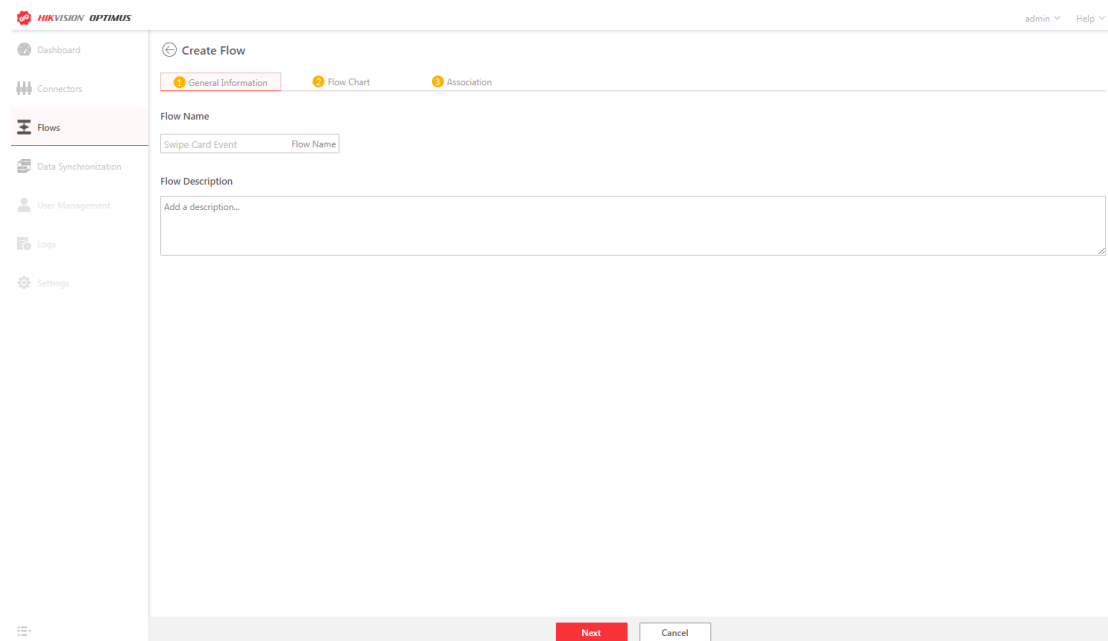


5.2.3.1 Alarm Configuration

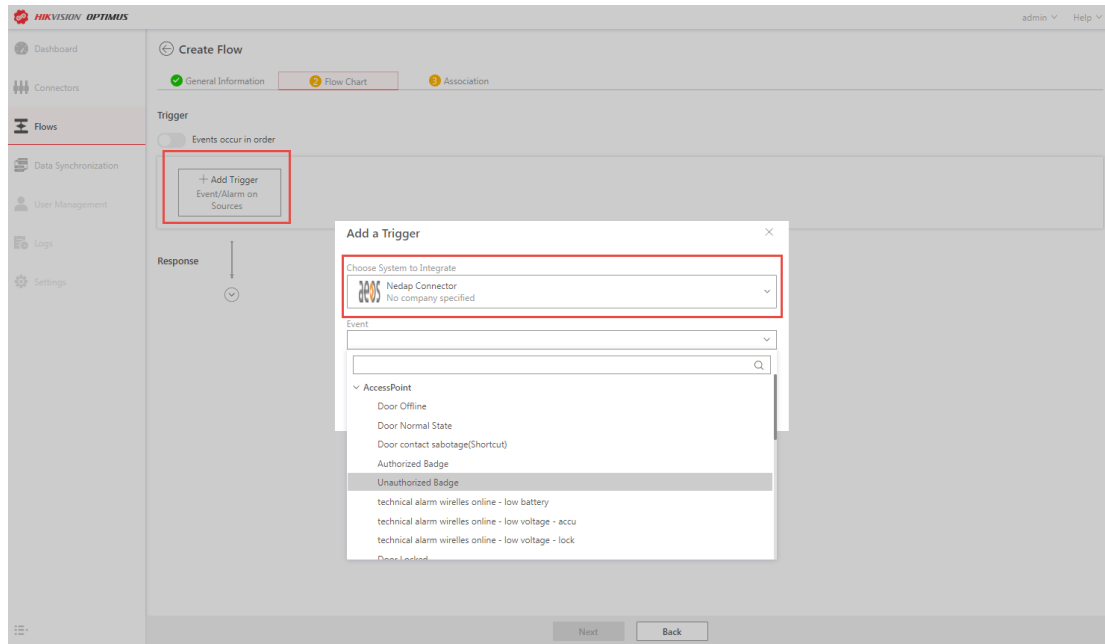
1) In Optimus Webpage-Flows, create a new flow.



2) Define flow name, click next.



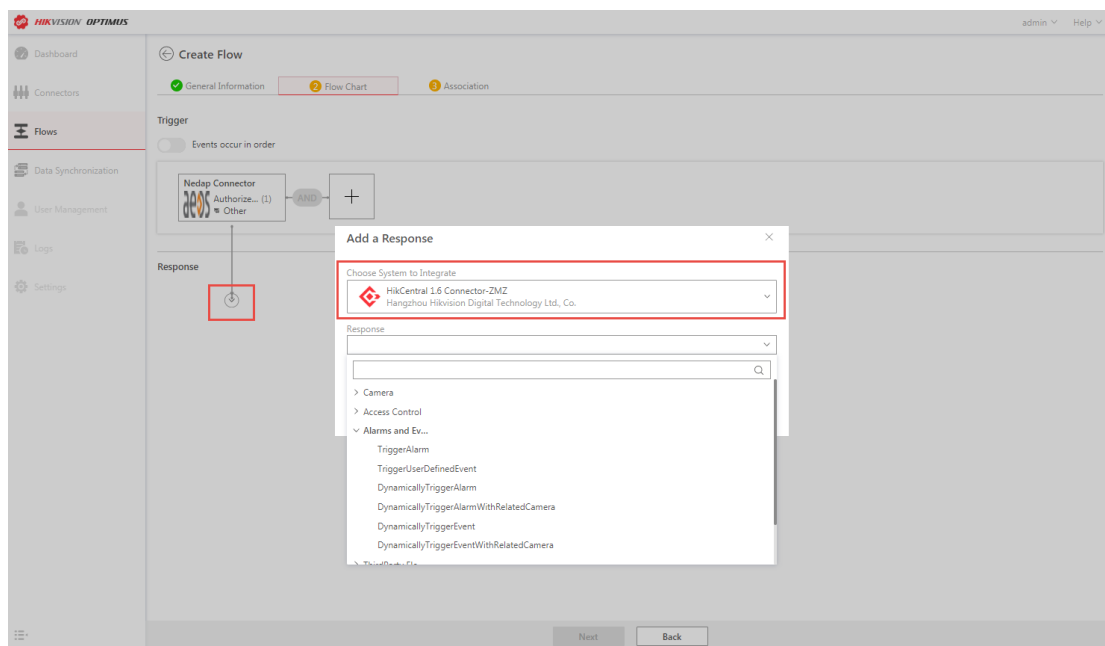
3) Add trigger and select Nedap Connector and select a triggering event.



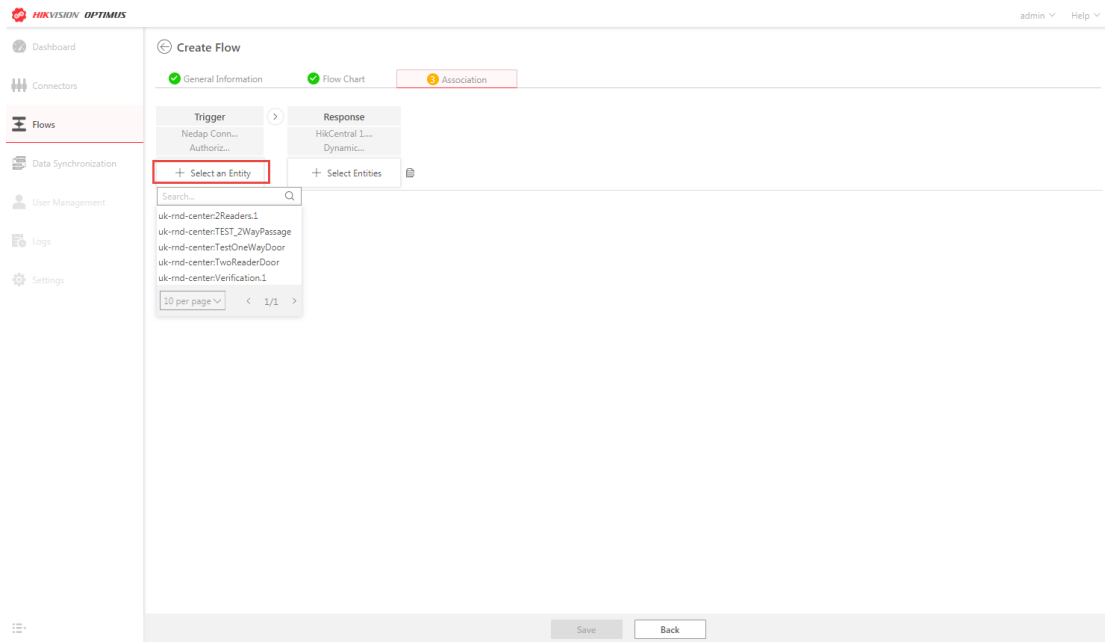
4) Add response, and select HikCentral EU Connector, select an action.

DynamicallyTriggerAlarm: Send alarm notification only without camera linkage.

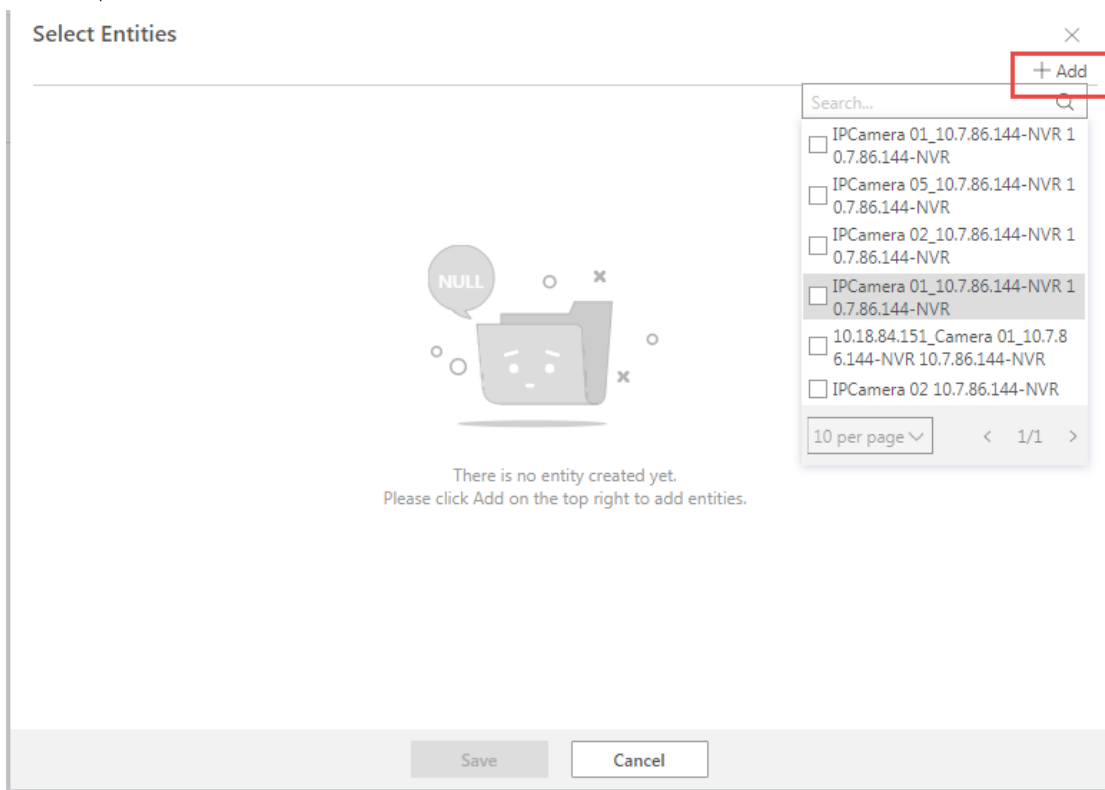
DynamicallyTriggerAlarmWithRelatedCamera: Send alarm notification with camera linkage.



5) Select entity for Trigger.



6) Select entity for Response. Add camera if **DynamicallyTriggerAlarmWithRelatedCamera** is selected at 4th step.



7) Refer to the chart below to finish the configuration.

Trigger	Nedap Event	
Action Name	DynamicallyTriggerAlarmWithRelatedCamera DynamicallyTriggerAlarm	
Item Name	Suggest Param	Description
GUID	Guid	Alarm log ID for HikCentral

Name	Name	Alarm Name in AlarmCenter for HikCentral, consist of Alarm name and Description from Nedap
EventName	EventName	Trigger Event in AlarmCenter for HikCentral
ResourceName	ResourceName	Alarm Source Name, consist of AEpu and AEbc
ResourceID	ResourceID	Alarm Source ID, consist of guid of AEpu, AEpu and AEbc
PlatformName	PlatformName	Manufacturer in AlarmCenter for HikCentral
PriorityID	PriorityIDHigh	Alarm Priority
EnablePopupWindow	"1"	1:Popup in HikCentral Control Client, 0:No Popup
EnableRecord	"1"	1:Related to Camera record
PreRecordTime	"3"	View Pre-Alarm Video
PostRecordTime	"15"	Post-record
LockVideoTime	"0"	Lock Video Files for (Day)
EnableVideoTag	"1"	1:Create Video Tag, 0:No Video Tag
TagName	"0"	Tag Name
TimeRangeBefore	"0"	Tag Time Range Before event(second)
TimeRangeAfter	"0"	Tag Time Range After event(second)
TagDescription	"0"	Tag Description
EnableCapture	"1"	1:Capture Picture when Event Trigger, 0:Don't Capture Picture
CaptureTime	"3"	Capture Picture When Pre/Post-Event
RelatedMap	"1"	1:Link to GIS/Emap where the alarm source is
Addition	AdditionCardNumber	Available in Swipe Card Event, Card Number(Badge Number)

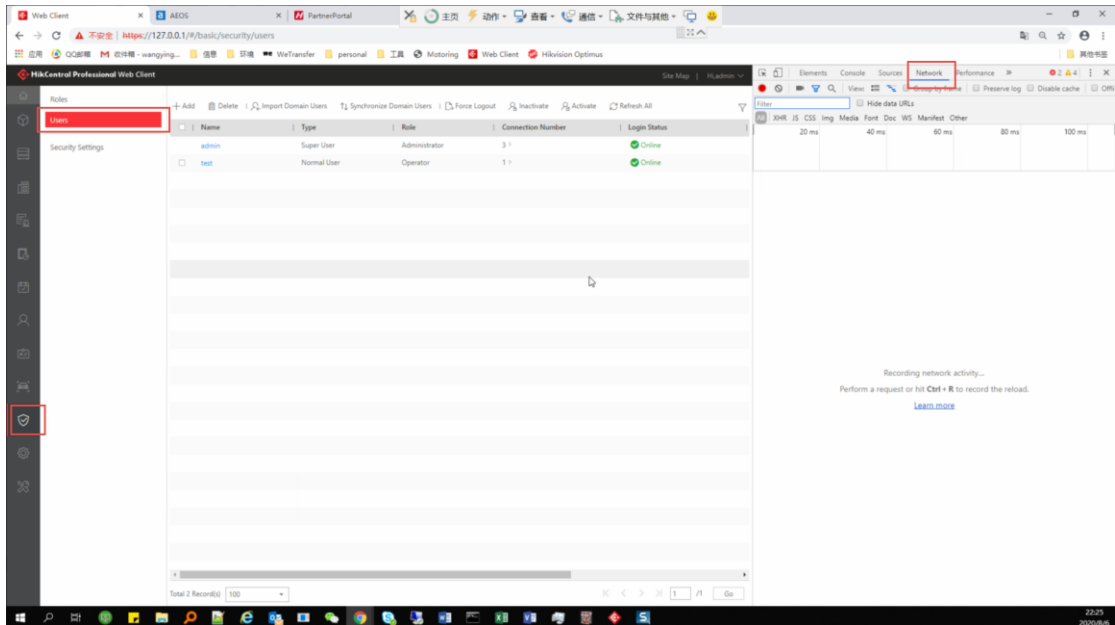
UserIDs	"1"	HikCentral Users who will receive it as an Alarm. *You can choose UserIdsNullAlarm if you don't want set it as an alarm, it will show in EventList as a event(Useful in card swiping event)
Expiration Milliseconds	"5000"	Expiration time between Connector and Optimus(internal use)
TimeOut Milliseconds	"5000"	TimeOut time between Connector and Optimus(internal use)
TimeToRetry Milliseconds	"5000"	TimeToRetry time between Connector and Optimus(internal use)

The screenshot shows a configuration window titled "Select Entities" for the entity "IPCamera 01 NVR". The window contains a list of fields with their corresponding values:

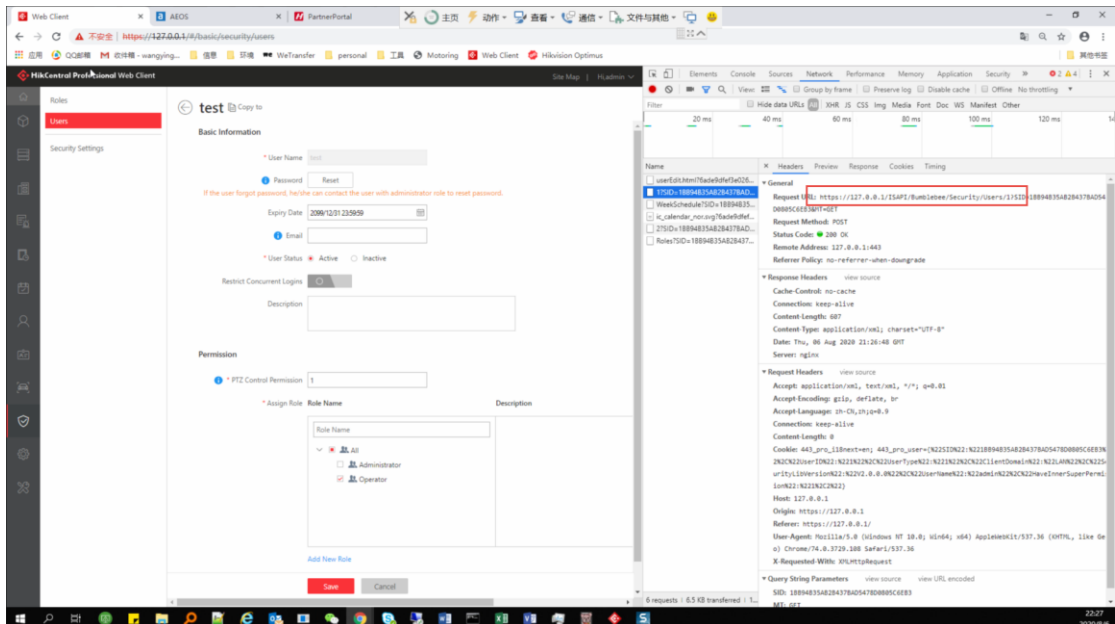
- * guid: Guid
- * name: Name
- * eventName: EventName
- * resourceName: ResourceNa...
- * resourceId: ResourceId
- * platformName: PlatformNa...
- * priorityId: PriorityIdHigh
- * EnablePopupWindow: 1
- * EnableRecord: 1
- * preRecordTime: 3
- * postRecordTime: 15
- * lockVideoTime: 0

At the bottom of the window, there are two buttons: "Save" (highlighted in red) and "Cancel".

8) To find HikCentral user ID, go to HikCentral WebClient – Security – Users, press F12, check the ID under Network column.



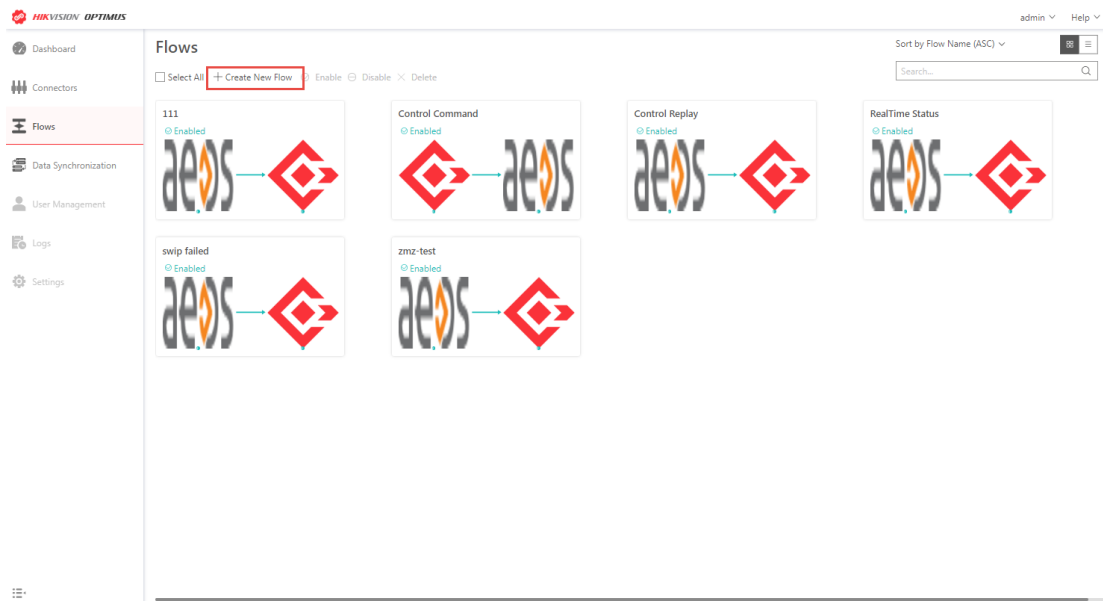
The user ID marked as below. To add multiple users, separate them by commas.



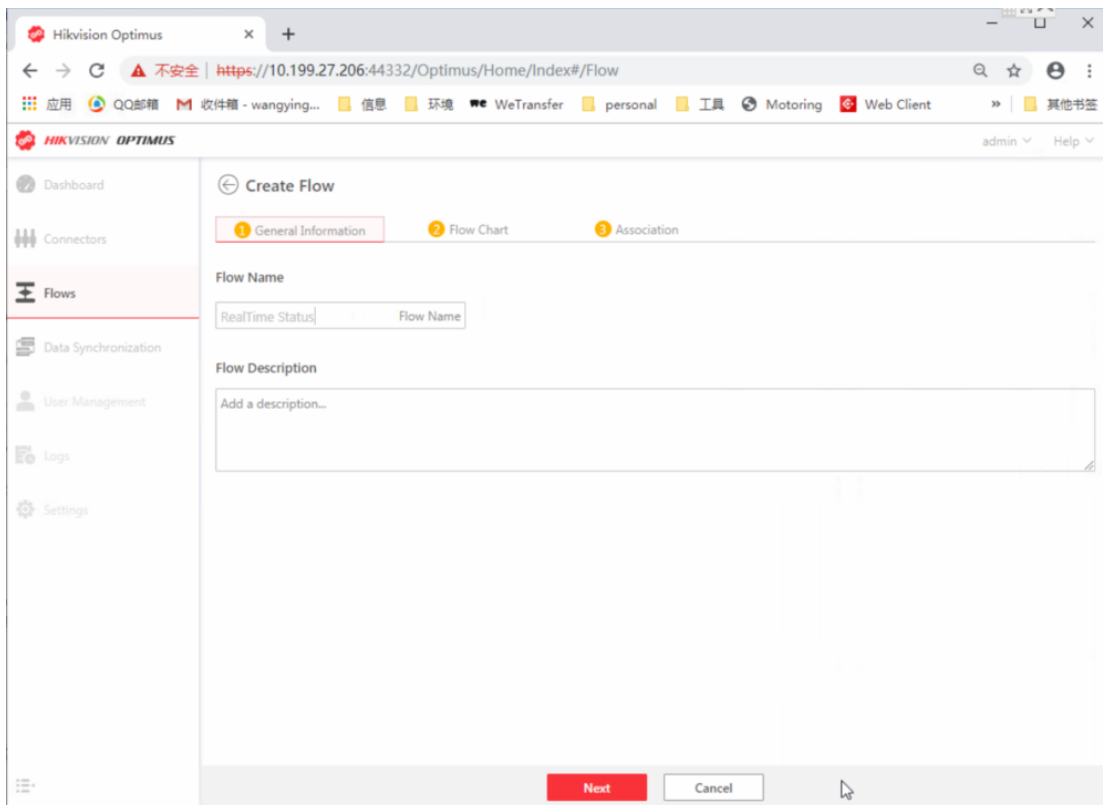
5.2.3.2 Resource Real-time Status Configuration

Configure flows for AccessPoint, Detector and Area to synchronize real-time status to HikCentral.

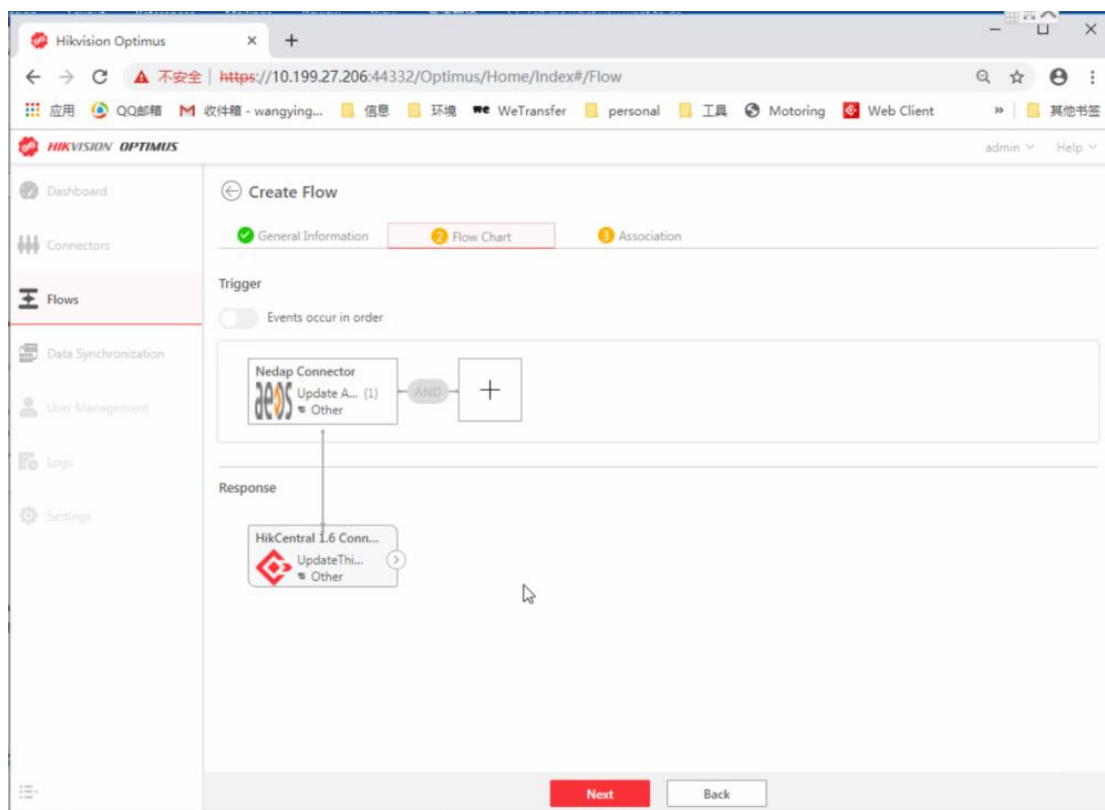
- 1) Go to Optimus Webpage-Flows, create a new flow.



2) Define flow name.

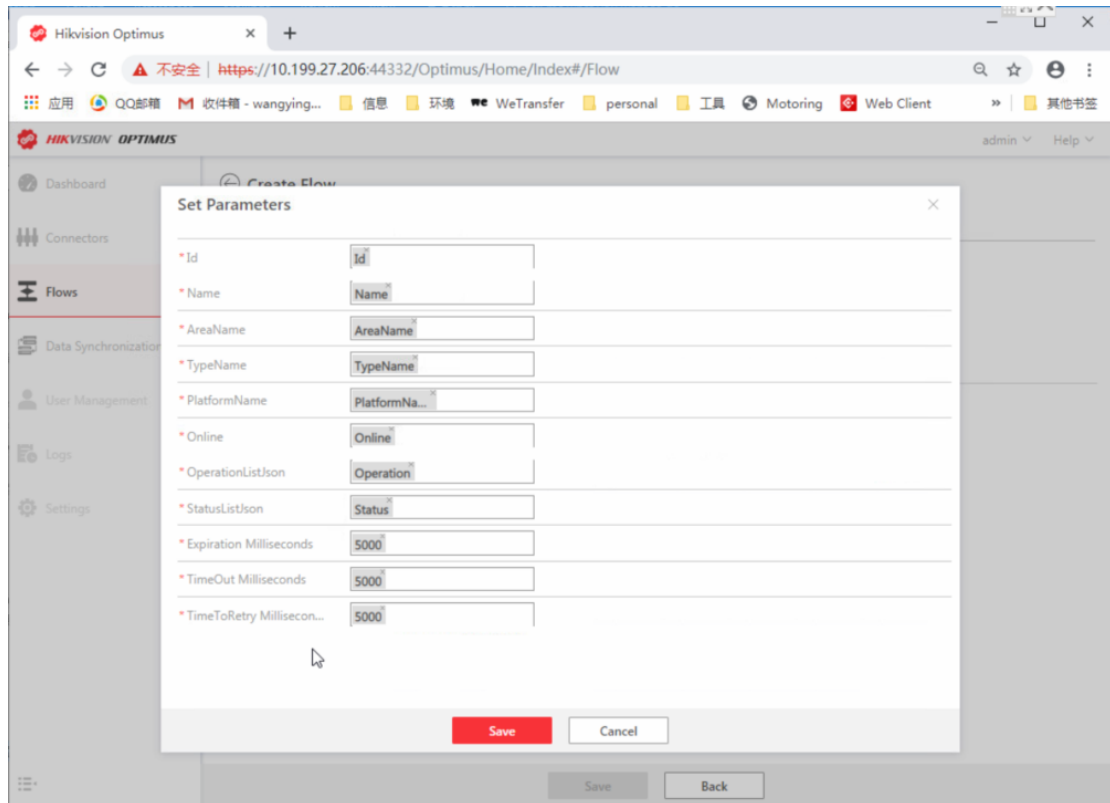


3) Add Trigger and Response.



4) Complete the flow according to the chart below.

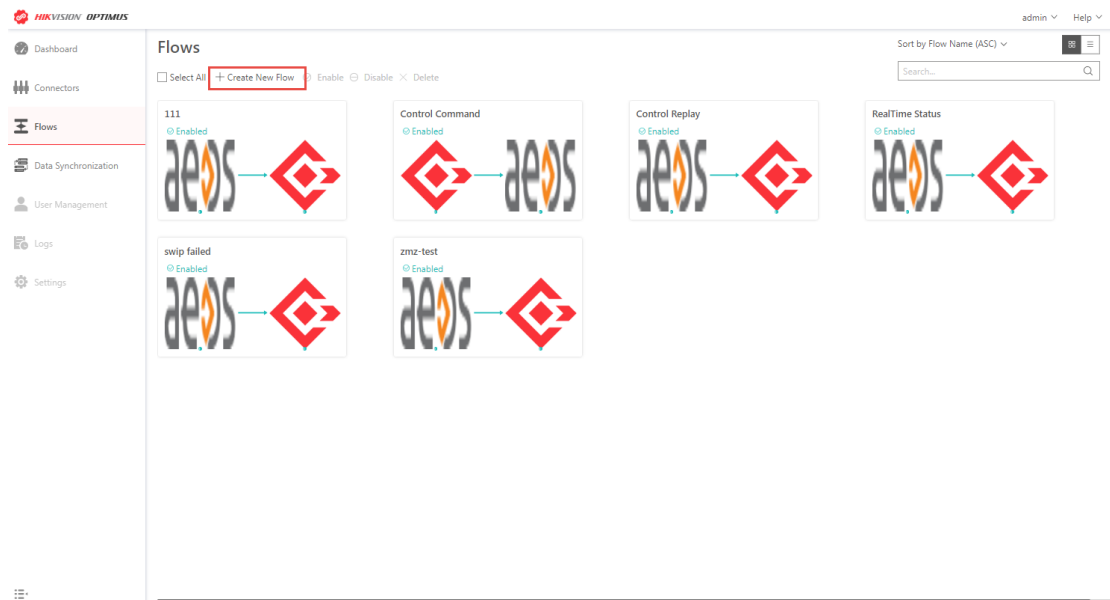
Trigger	Update AccessPoint Event(Status) Update Detector Event(Status) Update Area Event(Status)	
Action Name	UpdateThirdPartyElementStatus	
Item Name	Suggest Param	Description
Id	Id	Same in Data Synchronization
Name	Name	Same in Data Synchronization
AreaName	AreaName	Same in Data Synchronization
TypeName	TypeName	Same in Data Synchronization
PlatformName	PlatformName	Same in Data Synchronization
Online	Online	Same in Data Synchronization
OperationListJson	Operation	Same in Data Synchronization
StatusListJson	Status	Same in Data Synchronization
Expiration Milliseconds	"5000"	Expiration time between Connector and Optimus(internal use)
TimeOut Milliseconds	"5000"	TimeOut time between Connector and Optimus(internal use)
TimeToRetry Milliseconds	"5000"	TimeToRetry time between Connector and Optimus(internal use)



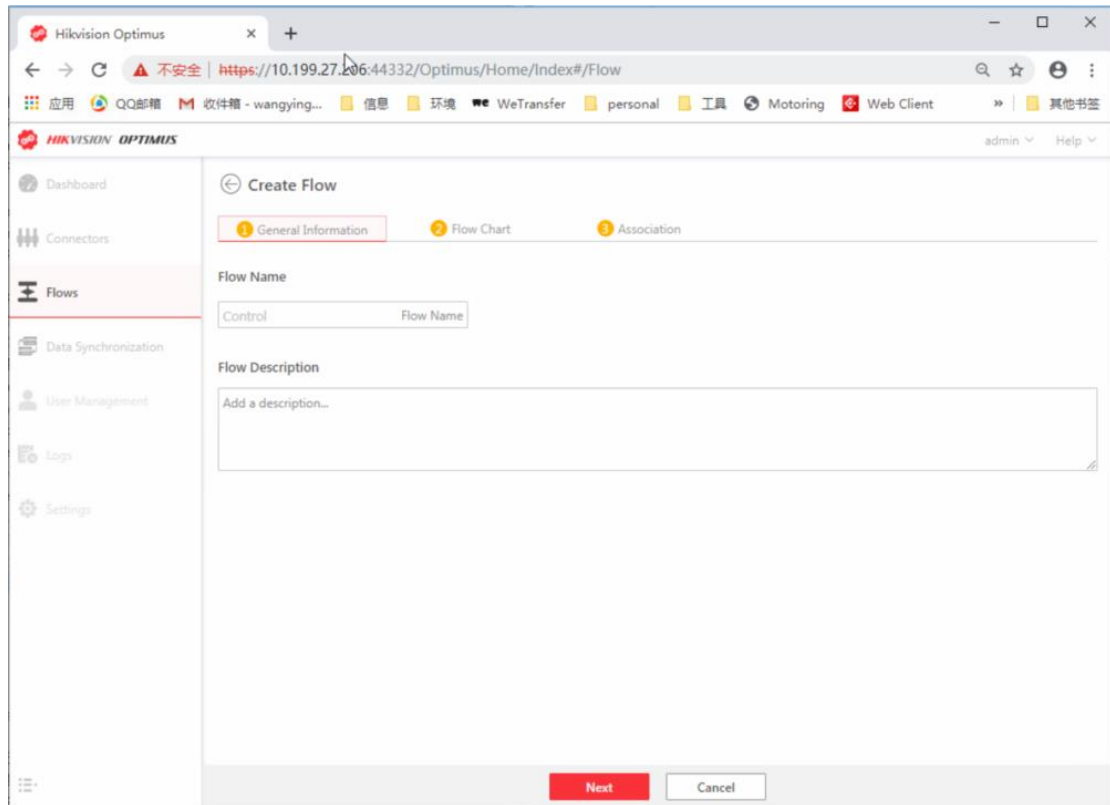
5.2.3.3 Resource Control

HikCentral Professional can control third party resource via the preconfigured flow.

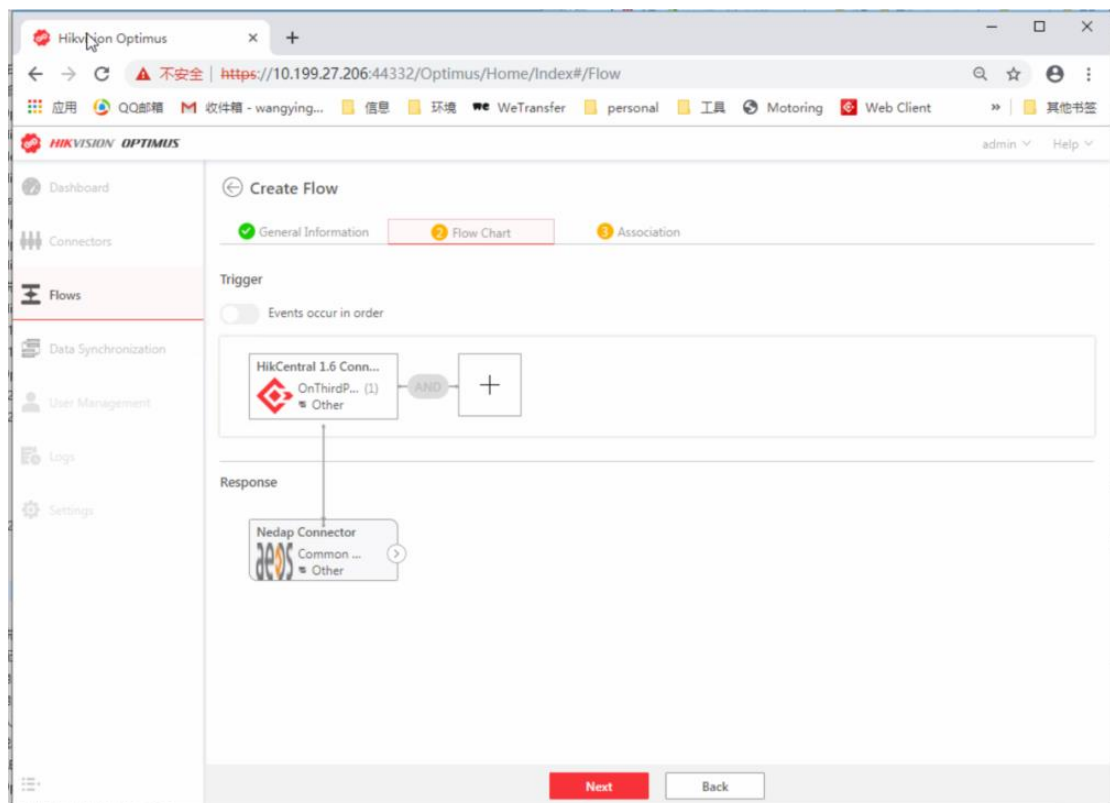
1) Go to Optimus Webpage-Flows, create a new flow.



2) Define flow name



3) Select HikCentral EU Connector – ThirdPartyElement-OnThirdPartyElementOperation as Trigger, and Nedap Connector – Device-Common Action as Response.



4) Finish the configuration according to the chart below.

Trigger	ThirdPartyElementOperation
---------	----------------------------

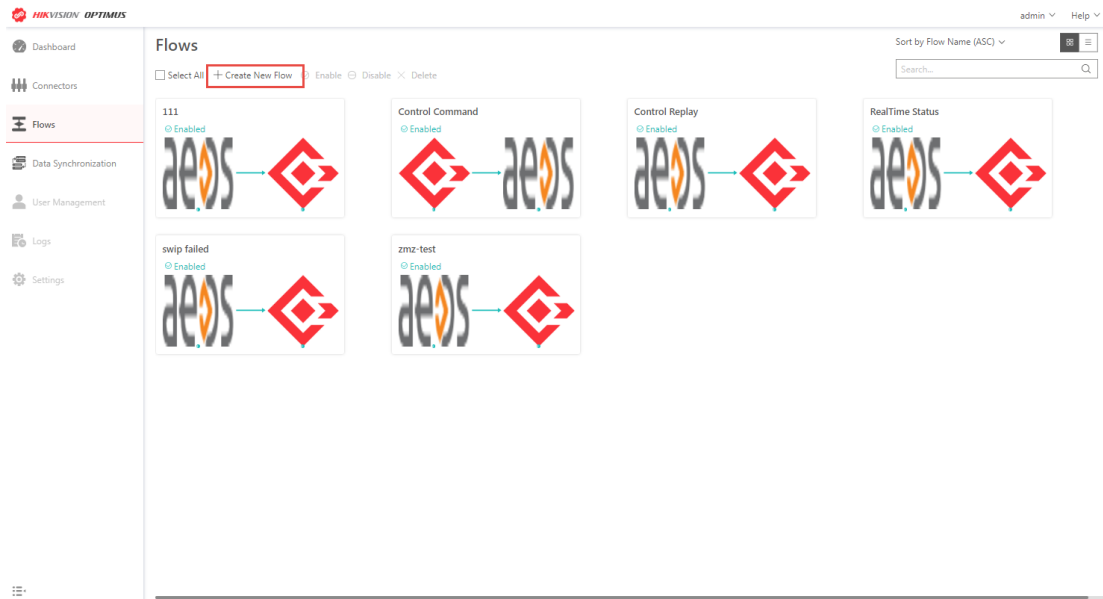
Action Name	Common Action	
Item Name	Suggest Param	Description
messageId	messageId	unique ID of a command
elementId	elementId	ID of resource
operationId	OperationName	Control Command Name
Expiration Milliseconds	"5000"	Expiration time between Connector and Optimus(internal use)
TimeOut Milliseconds	"5000"	TimeOut time between Connector and Optimus(internal use)
TimeToRetry Milliseconds	"5000"	TimeToRetry time between Connector and Optimus(internal use)

The screenshot shows a 'Set Parameters' dialog box with the following fields and values:

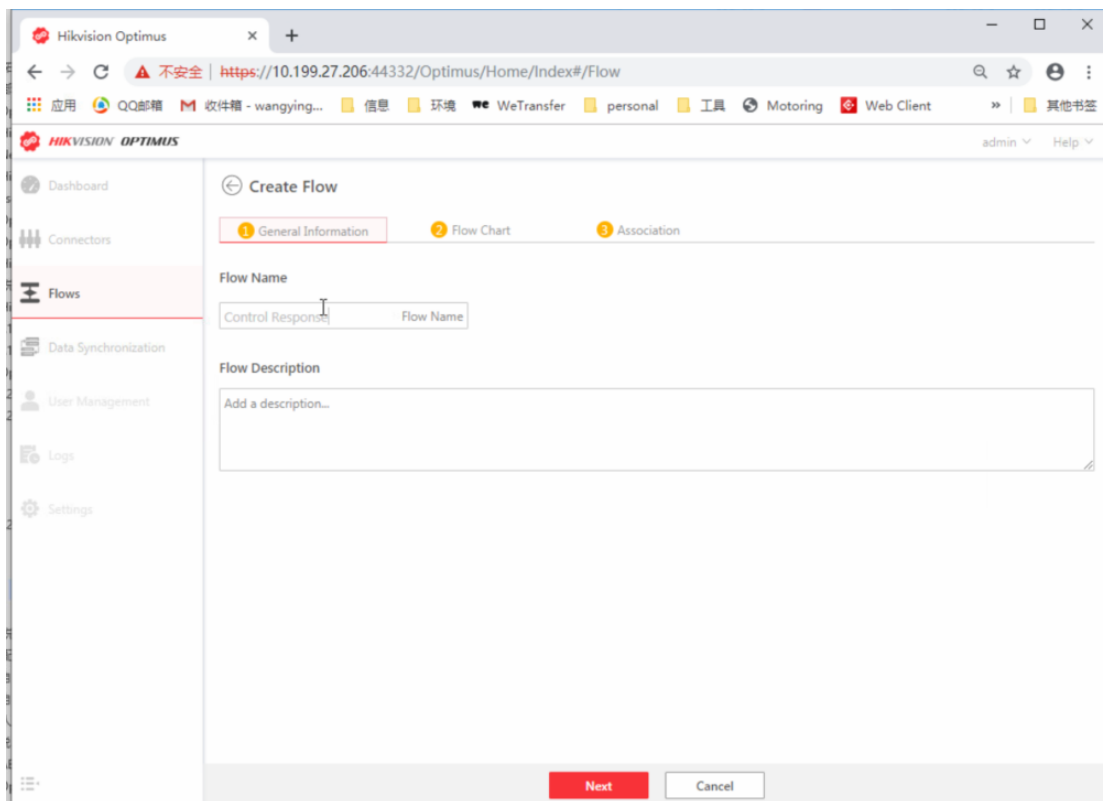
- * messageId: messageId
- * elementId: elementId
- * operationId: operationN...
- * Expiration Milliseconds: 5000
- * TimeOut Milliseconds: 5000
- * TimeToRetry Milliseconds: 5000

Buttons: Save, Cancel

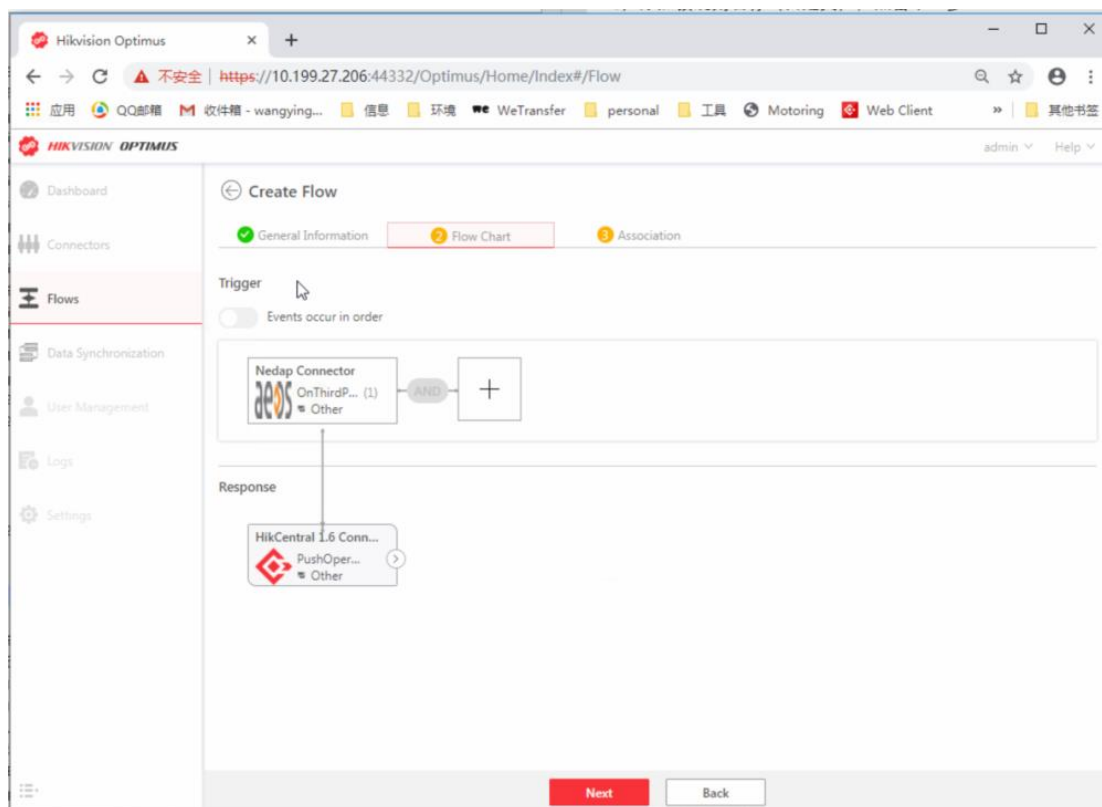
5) Create a new rule to synchronize the result back to HikCentral.



6) Define name.



7) Select Nedap Connector – Device-OnThirdPartyElementResult as Trigger and HikCentral EU Connector – ThirdPartyElement-PushOperationResult as Response.



8) Complete the configuration.

Trigger	OnThirdPartyElementResult	
Action Name	PushOperationResult	
Item Name	Suggest Param	Description
messageld	MessageID	unique ID of a command
GUID	GUID	ID of resource
result	OperationResult	The result of operation show in HikCentral
Expiration Milliseconds	"5000"	Expiration time between Connector and Optimus(internal use)
TimeOut Milliseconds	"5000"	TimeOut time between Connector and Optimus(internal use)
TimeToRetry Milliseconds	"5000"	TimeToRetry time between Connector and Optimus(internal use)

Set Parameters

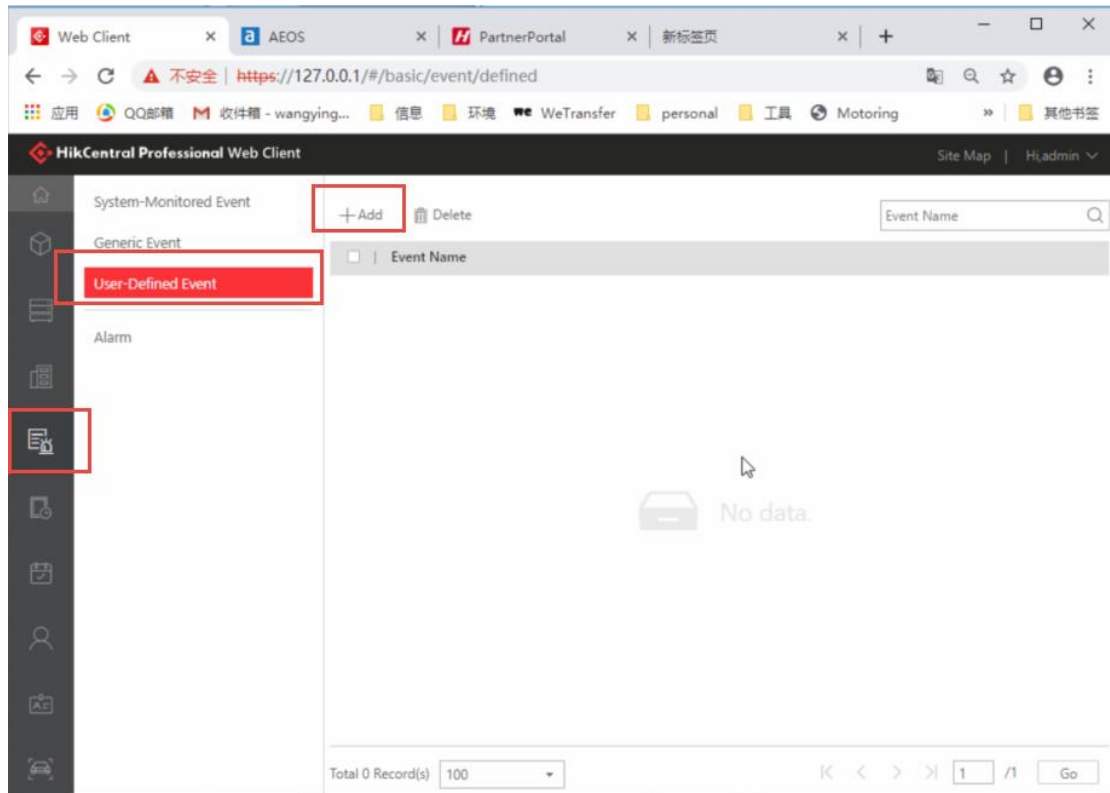
* messageId	MessageID
* GUID	GUID
* result	OperationR...
* Expiration Milliseconds	5000
* TimeOut Milliseconds	5000
* TimeToRetry Millisecon...	5000

Save Cancel

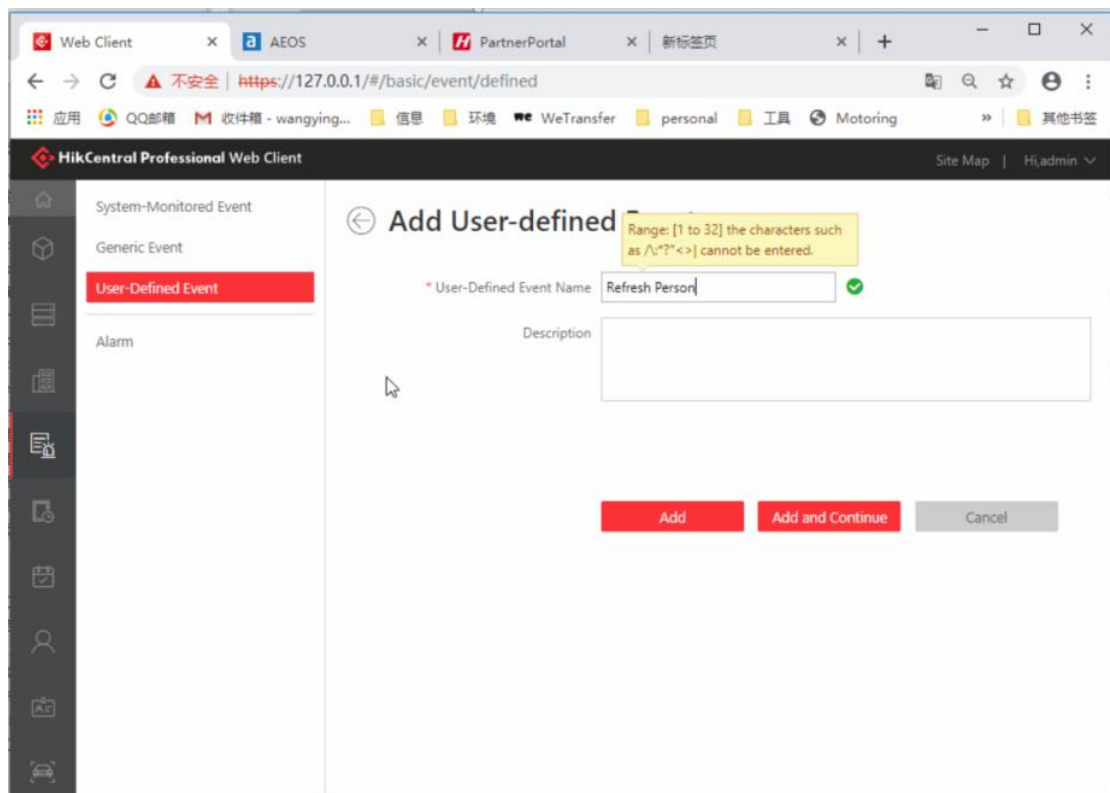
5.2.3.4 Manual synchronization for Person Data

It's optional for the user to manually synchronize person data on HikCentral rather than refreshing manually on Optimus webpage. Note: as described before, the person data will be synchronized automatically by schedule or when the person access.

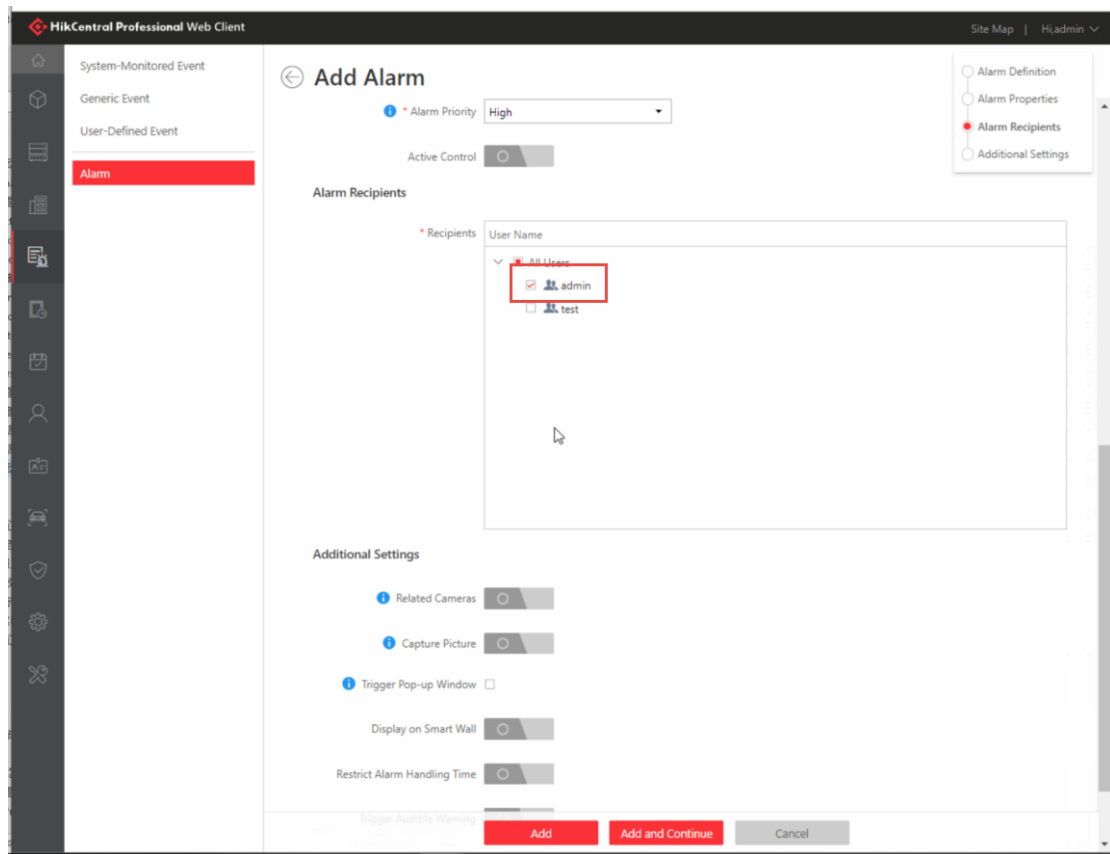
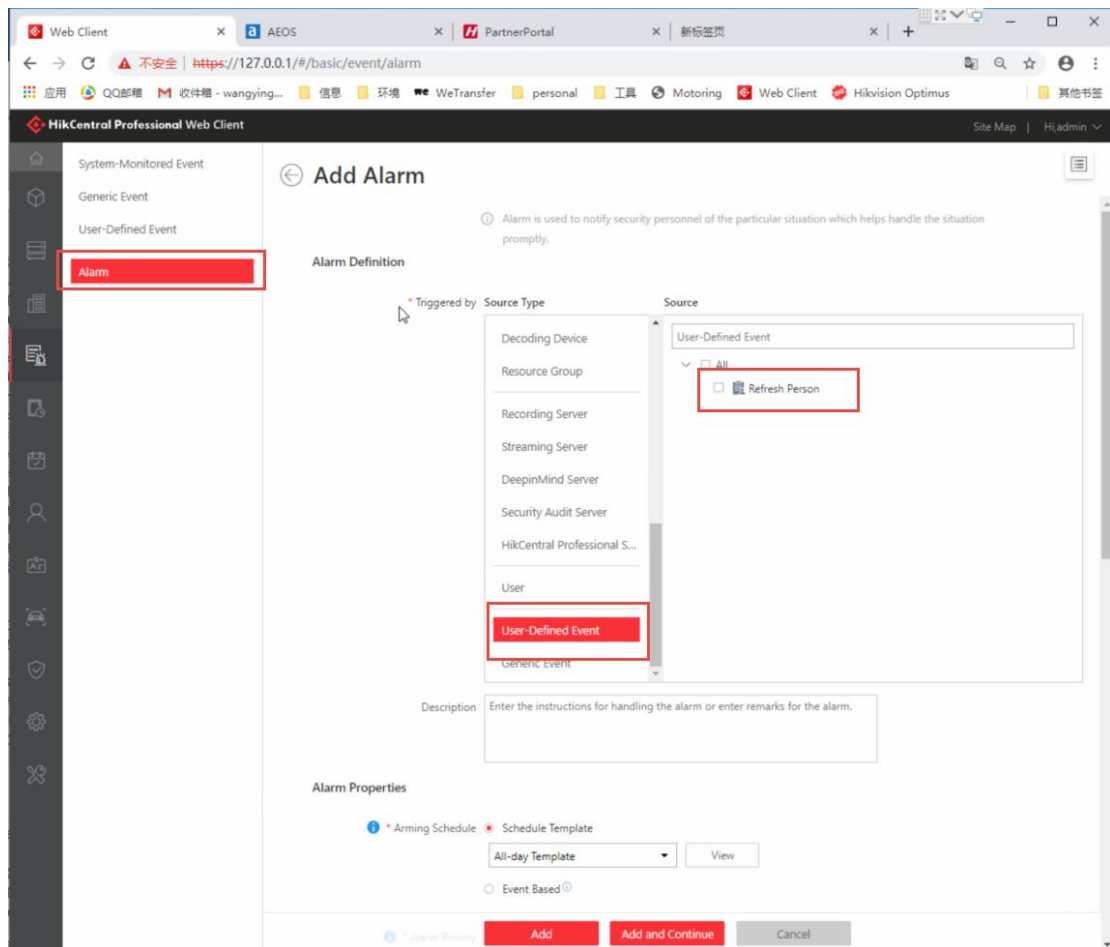
- 1) Go to HikCentral Web Client – Event & Alarm – User-Defined Event, add a user defined event.



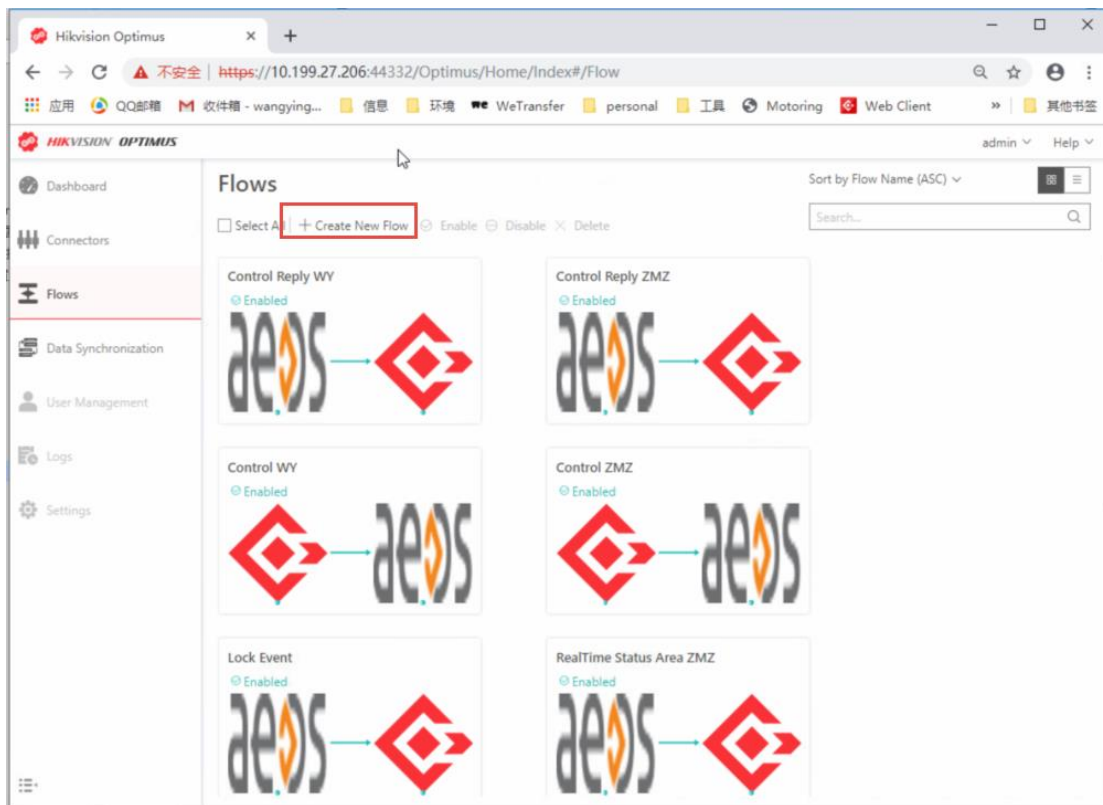
Define the event name.



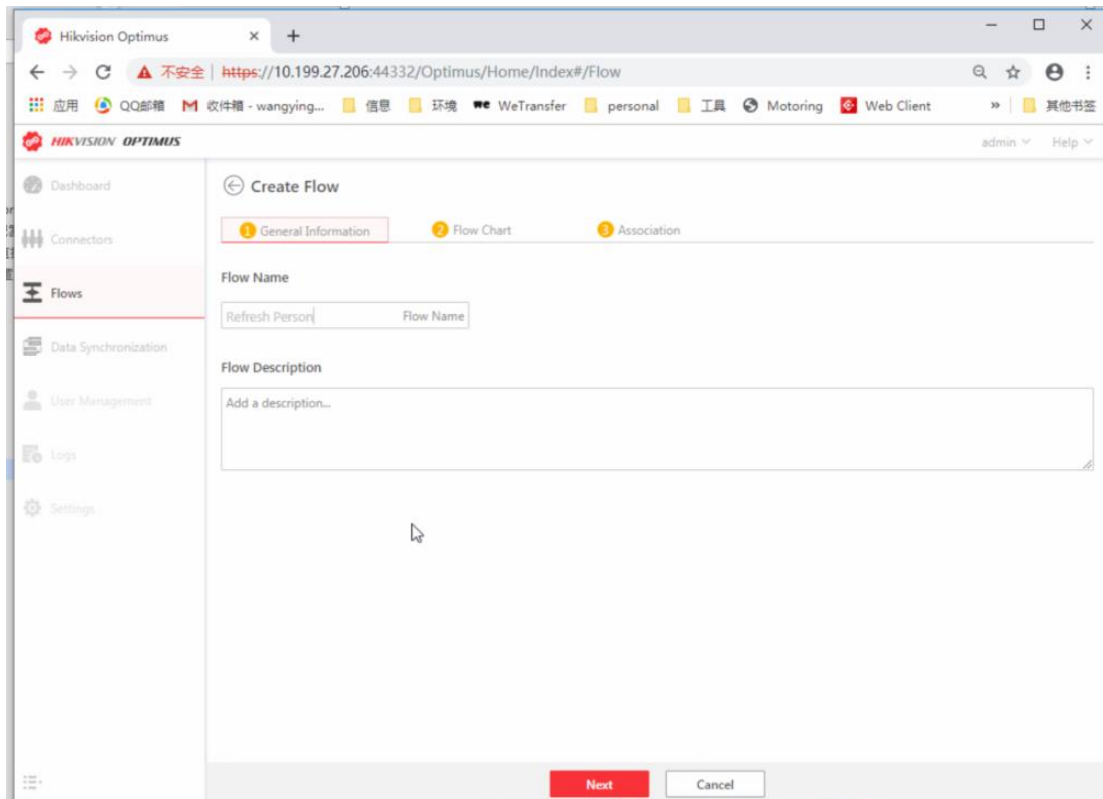
2) Go to Alarm, configure alarm as shown below.



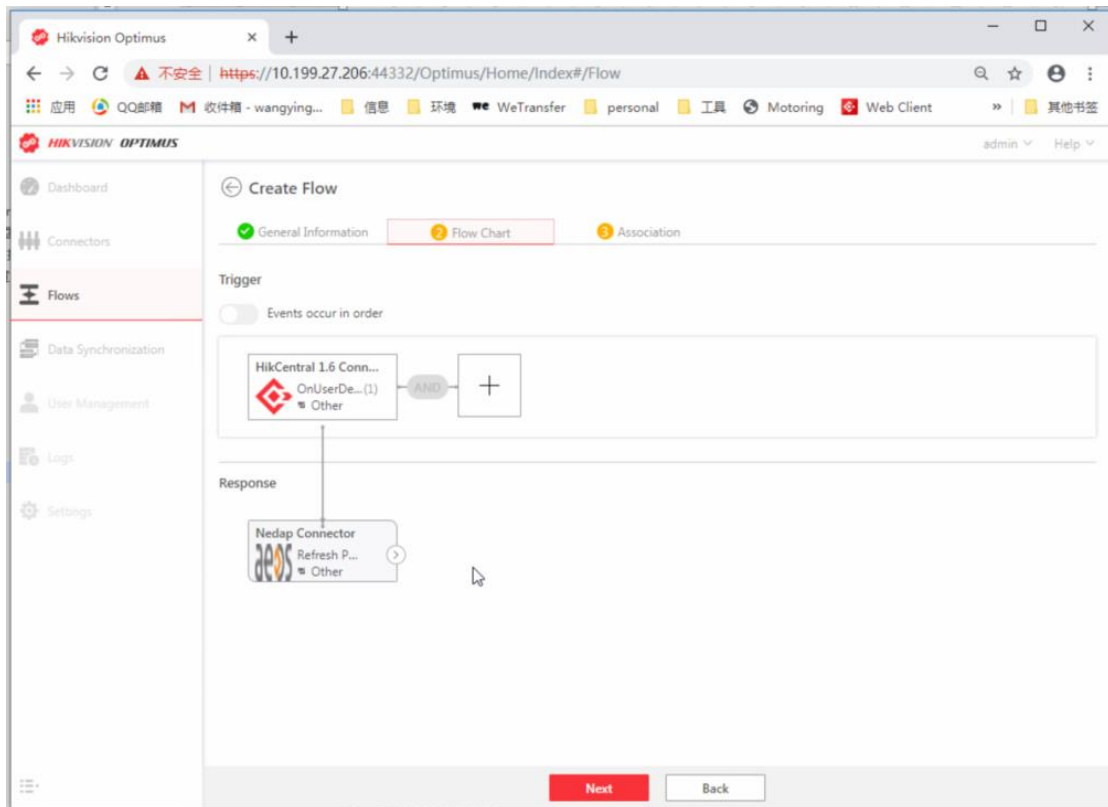
3) Go to Optimus Webpage- Flows, create a new flow.



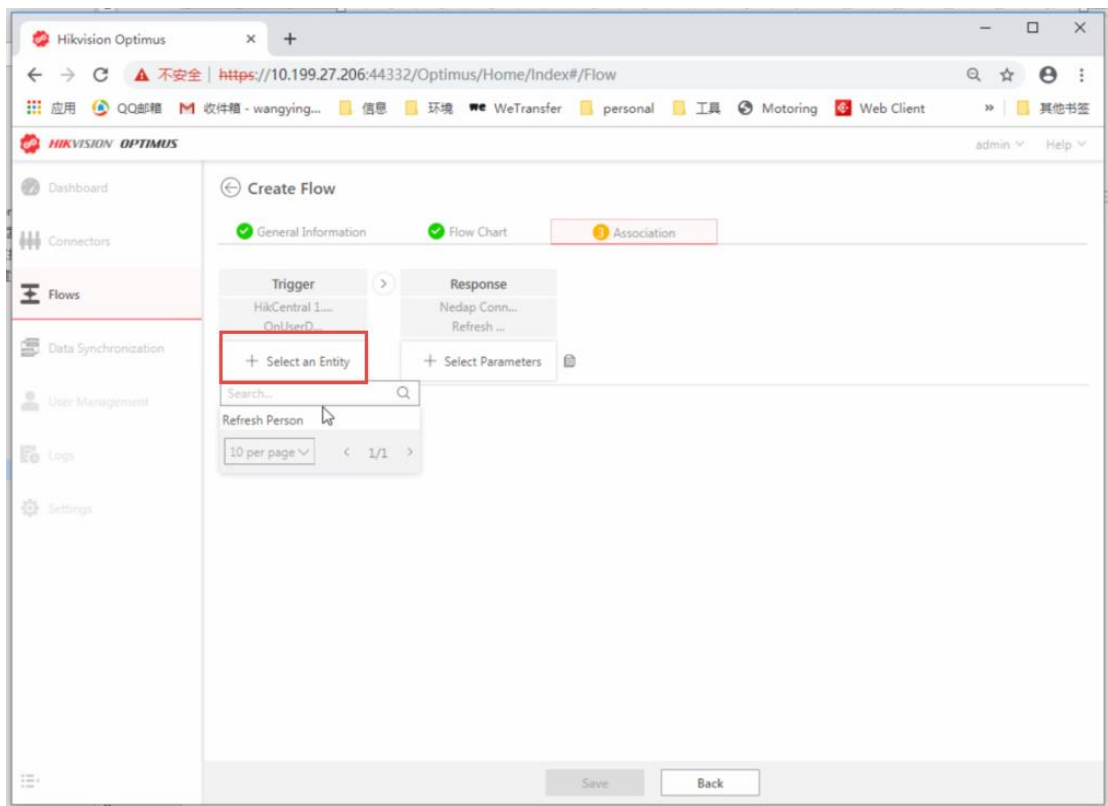
4) Define flow name.



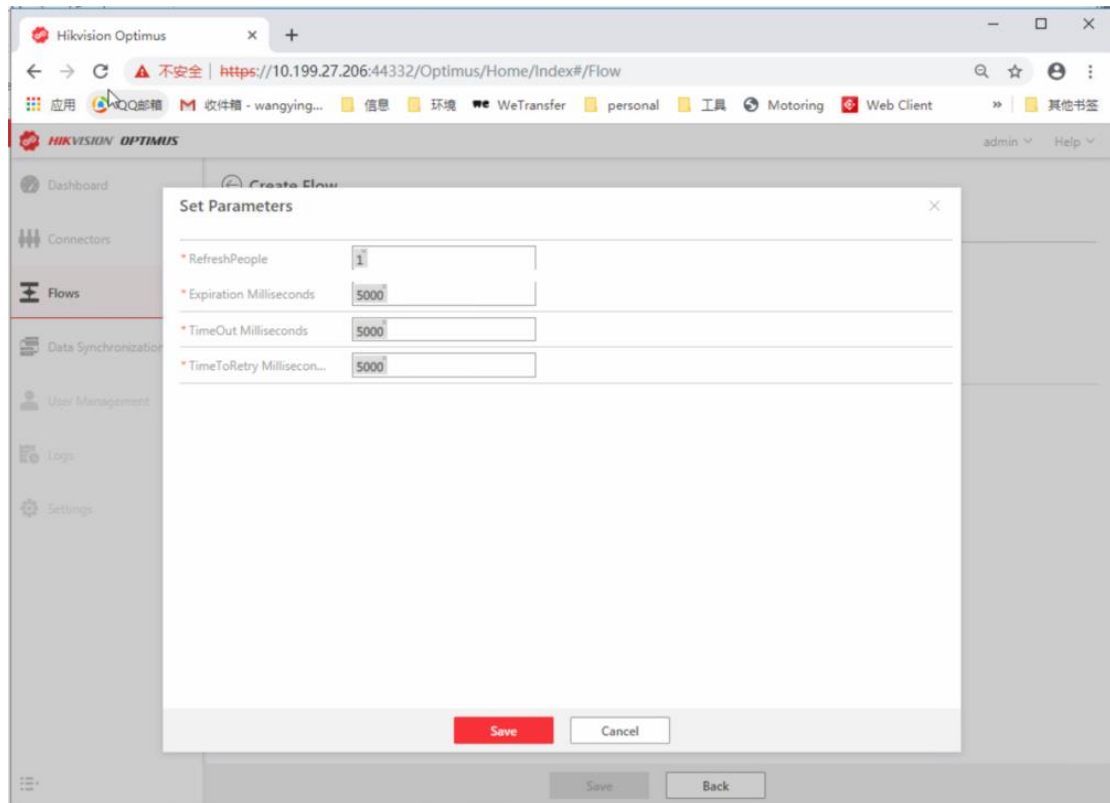
5) Select HikCentral EU Connector – Alarms and Events-OnUserDefinedAlarm as Trigger and Nedap Connector – Person-Refresh People as Response.



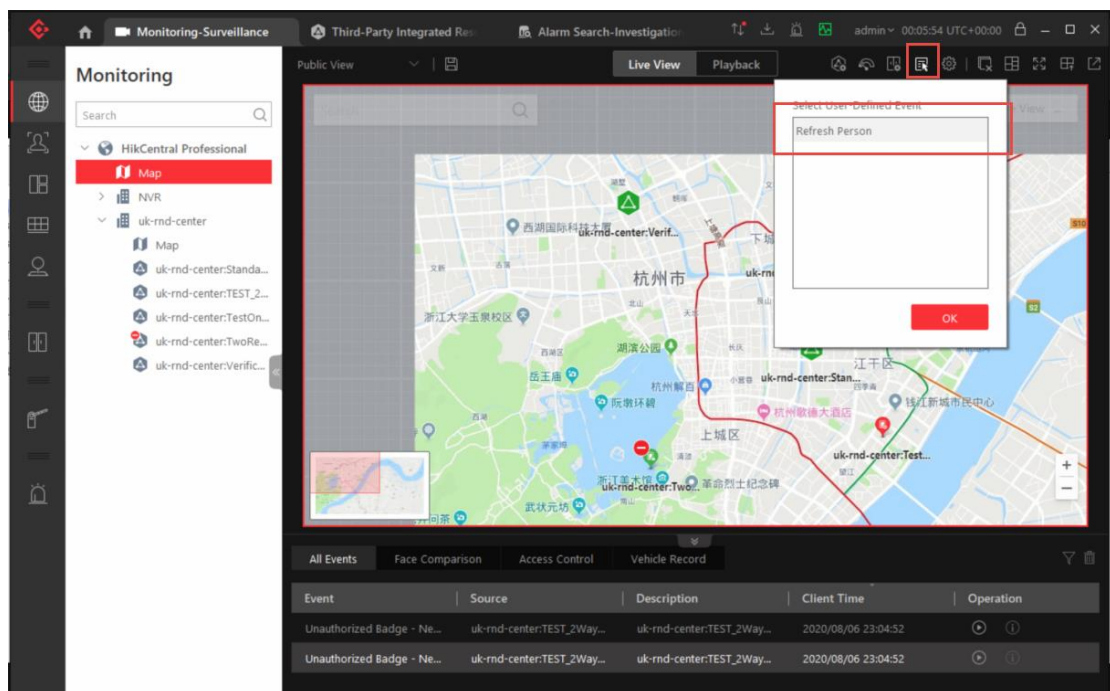
6) Select the user defined event as an entity for Trigger.



7) Input the parameters as shown below for Response



8) After configuration, go to HikCentral Control Client, trigger User-Defined Event to manually synchronize person data.

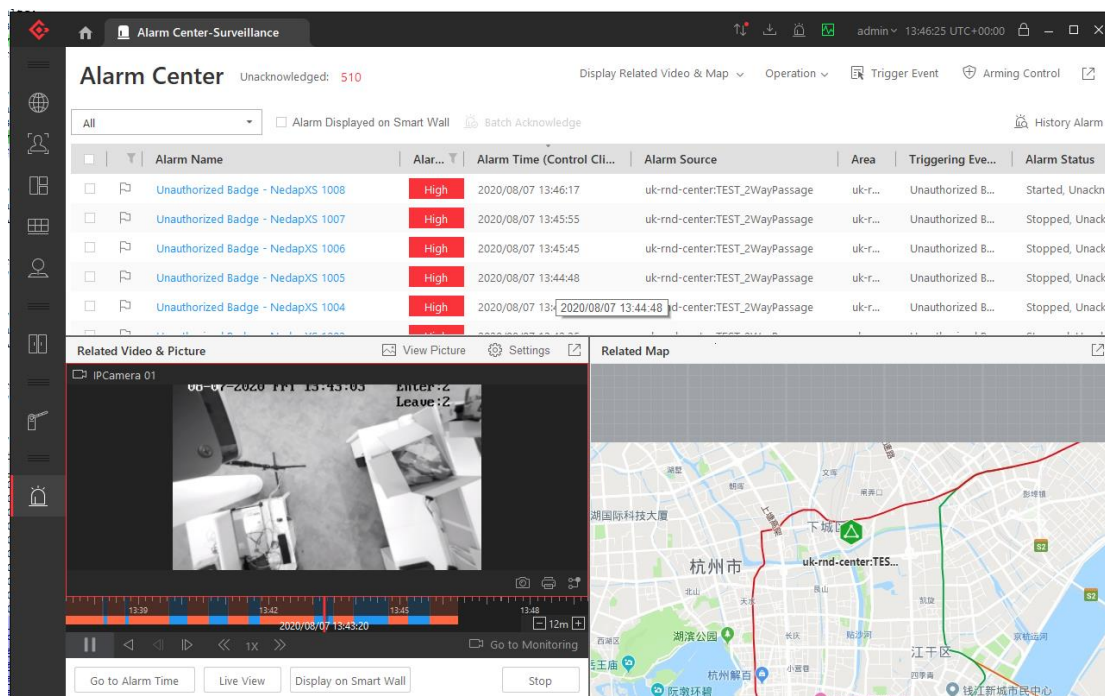


6. Operating Instructions

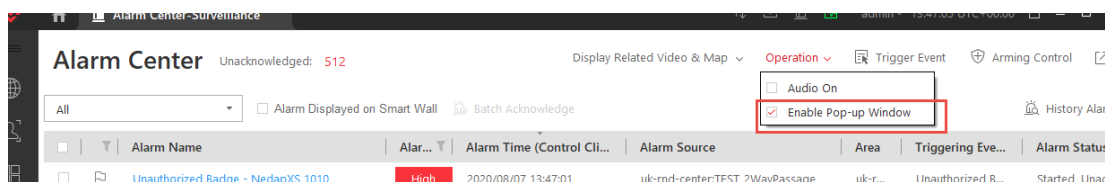
6.1 Alarm Receiving

6.1.1 Real-time alarm centre events

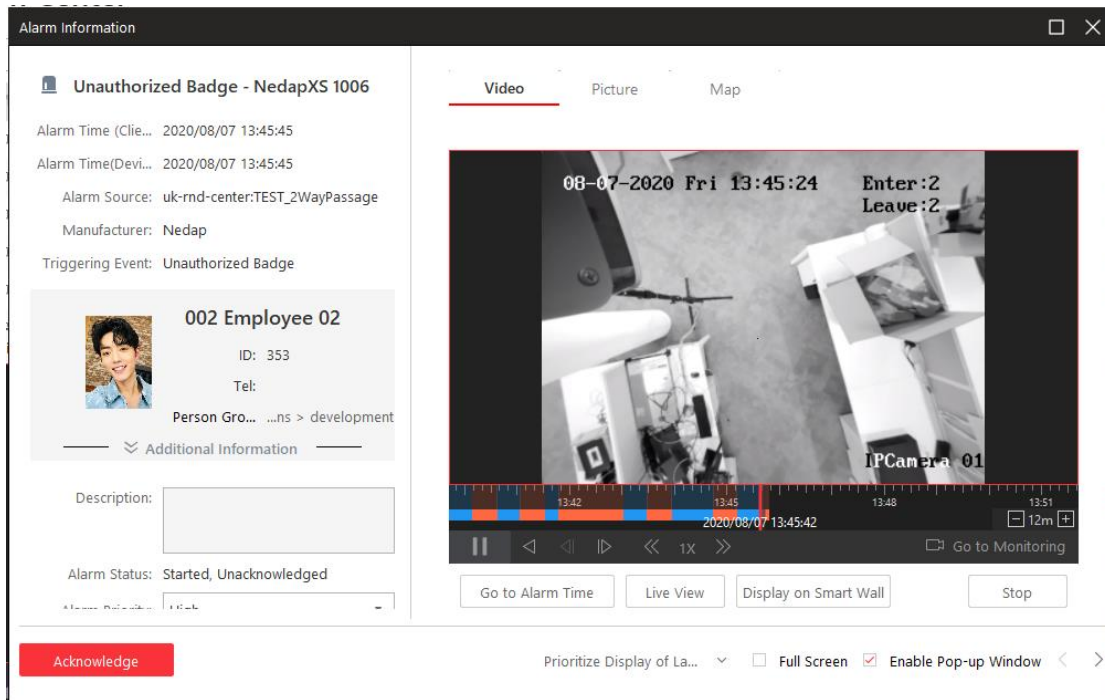
Log into HikCentral Professional Control Client and access AlarmCenter to receive real-time Nedap alarm events.



Enable "Pop - up Windows" to show real-time alarm details.

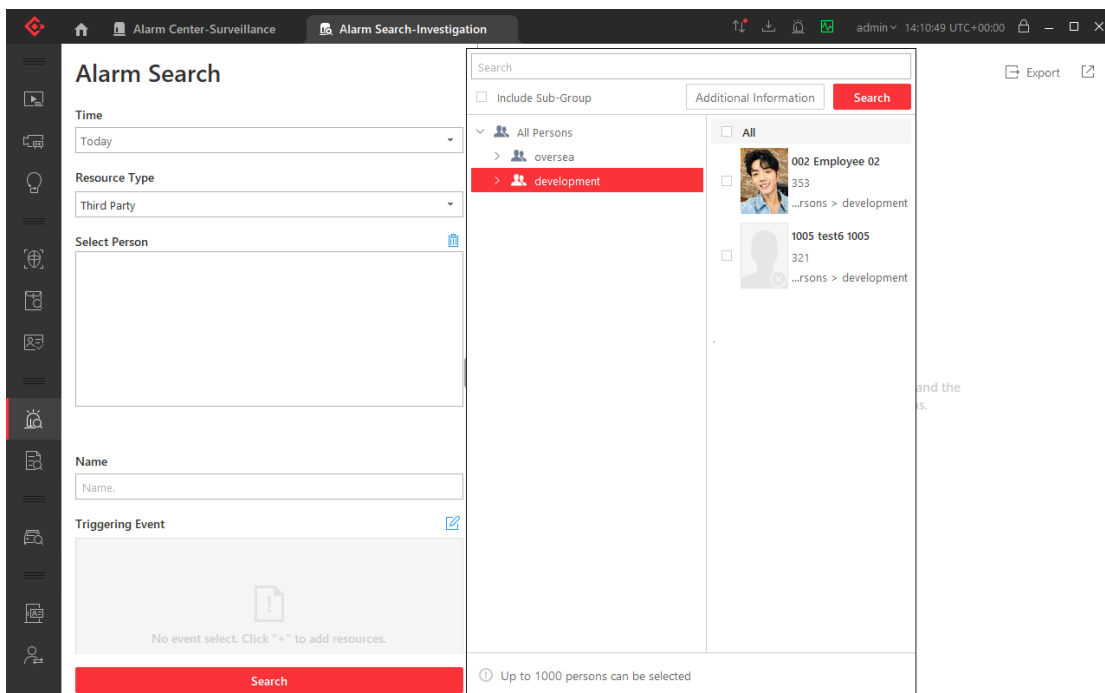


The details, depending on the configuration, show the personnel information associated with the card number, linkage video, linkage channel capture, the location of the corresponding alarm source in GIS/Emap, where the card number information is included in the swiped alarm name.

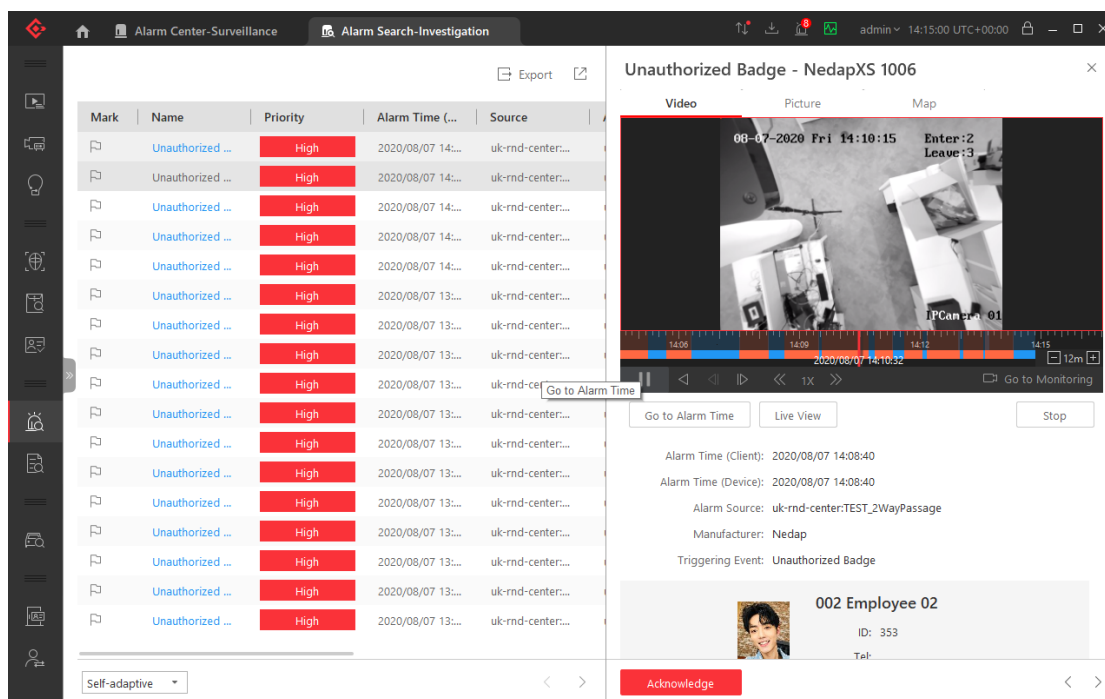


6.1.2 Alarm log searching

Log into HikCentral Professional Control Client and access the Alarm/Event Search module to search the historical Nedap alarm logs, select the alarm source type as “Third Party”, and search by filtering “Person Name”, “Alarm Name Fuzzy Search (including card number)”, “Event Type”, “Alarm Source”, etc.

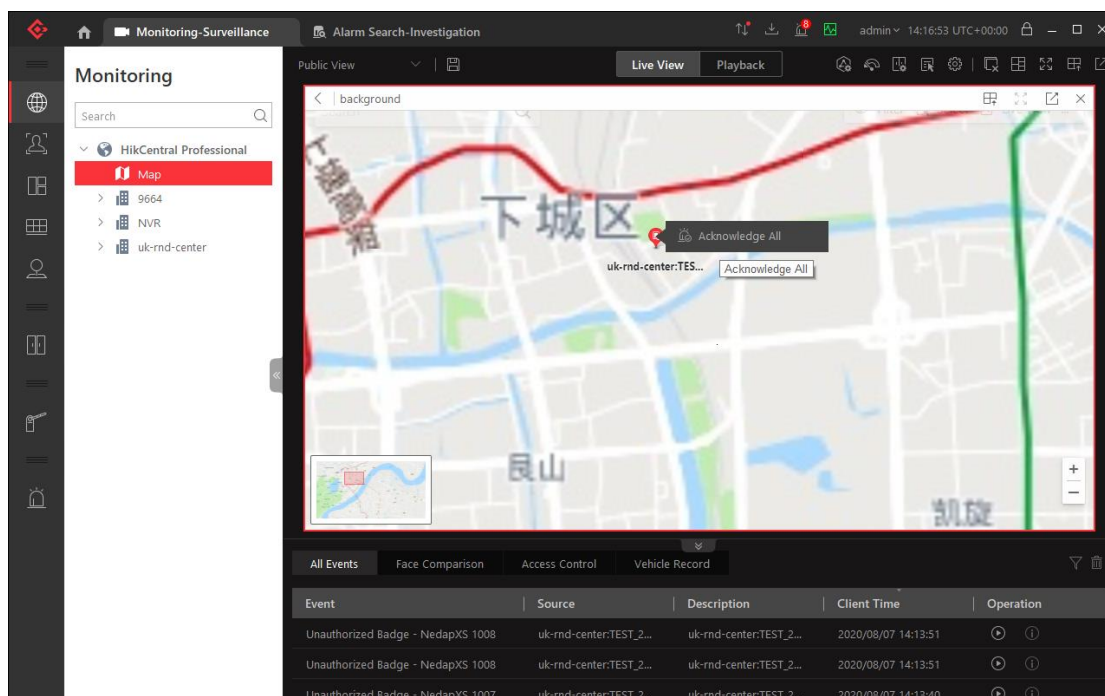


Search result details with linked video, linked image capture, GIS/Emap location of the alarm source, swipe card associates, etc.

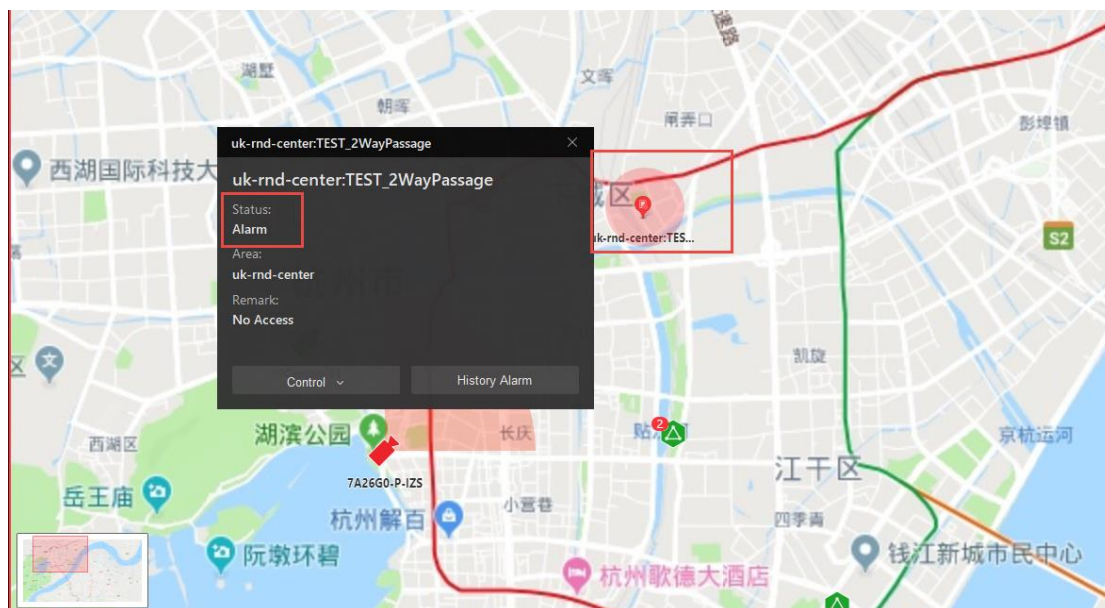


6.1.3 Monitoring alarms on Emap

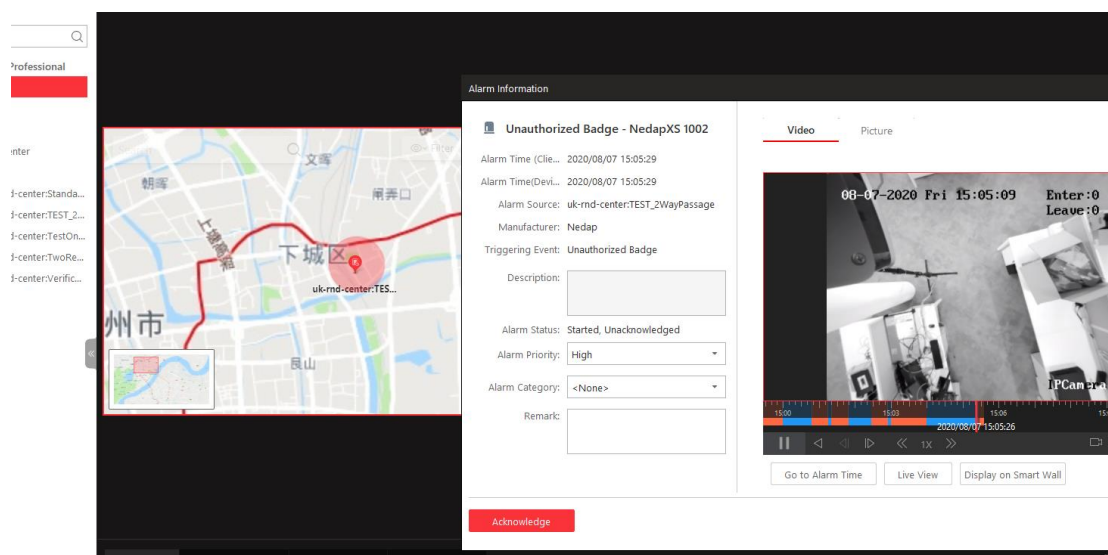
When an alarm resource on GIS/Emap, alarm occurs, a red light on GIS/Emap will blink to indicate that an alarm has occurred; move the mouse on the alarm source to confirm the alarm with one click (maximum of 100 alarms).



By clicking "alarm resource", you can view the resource details and display the alarm status. You can also directly view from the history of alarms.

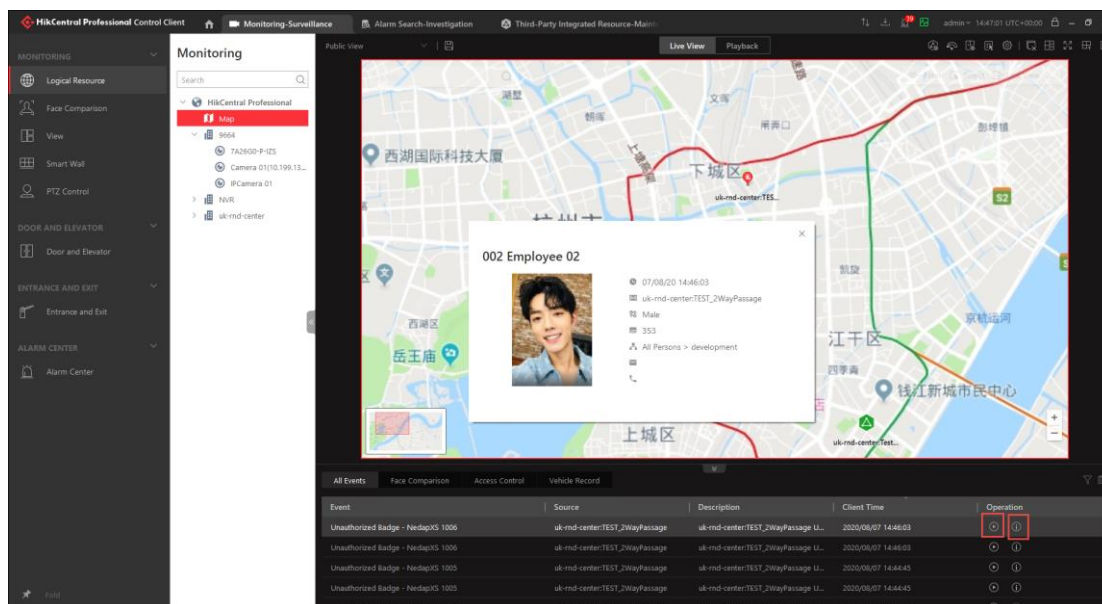


When an alarm occurs, click on the alarm source to view the alarm details directly.

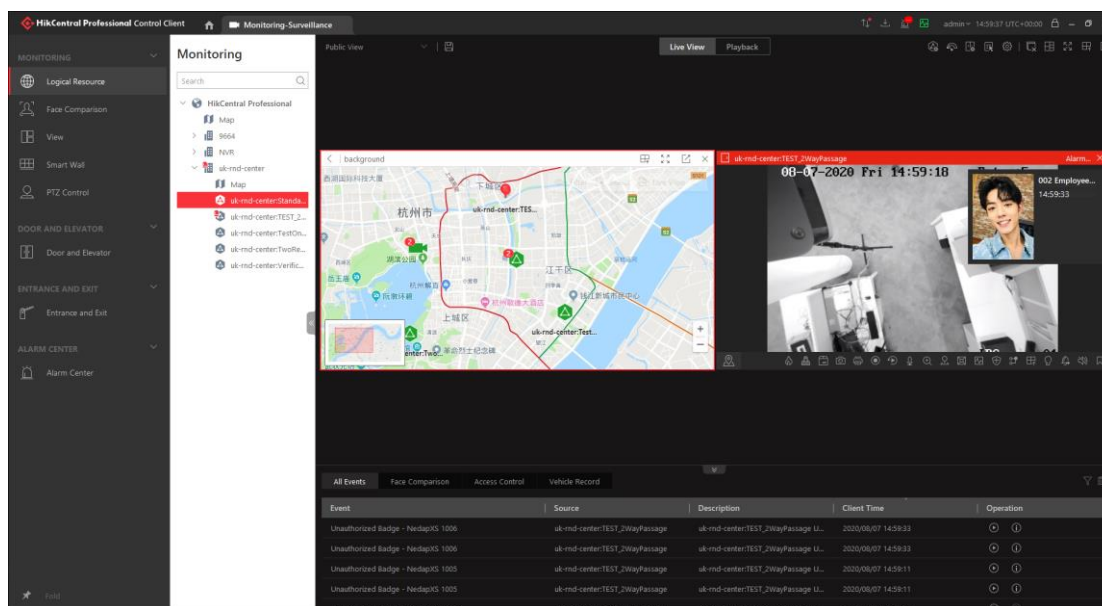


6.2 Card Swipe Event Reception

Log into HikCentral Professional Control Client and enter “Monitor module” to view all swipe events in the EventList, and if the card number is available in the platform, you can view the details of the corresponding person by clicking on the exclamation mark.



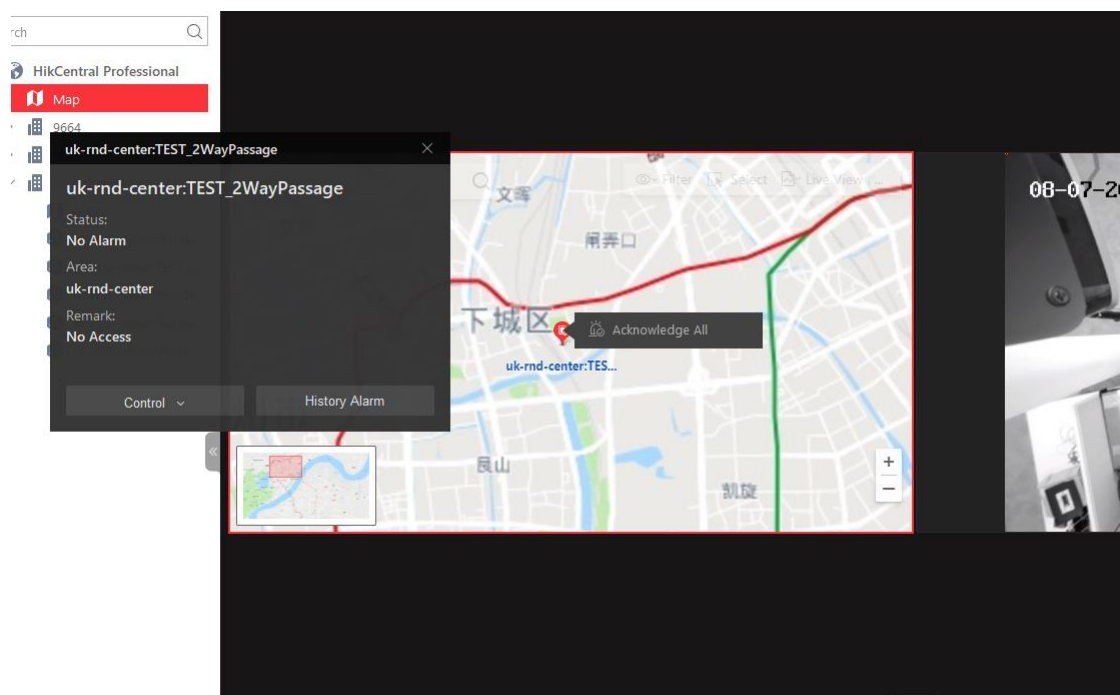
Click the play button to preview the linkage monitoring point of this resource in the platform, when a swipe event is reported, you can display the personnel information on the right side of the preview window (if you open the EventList, only the latest reported personnel information will be displayed).



6.3 Resource Status Display

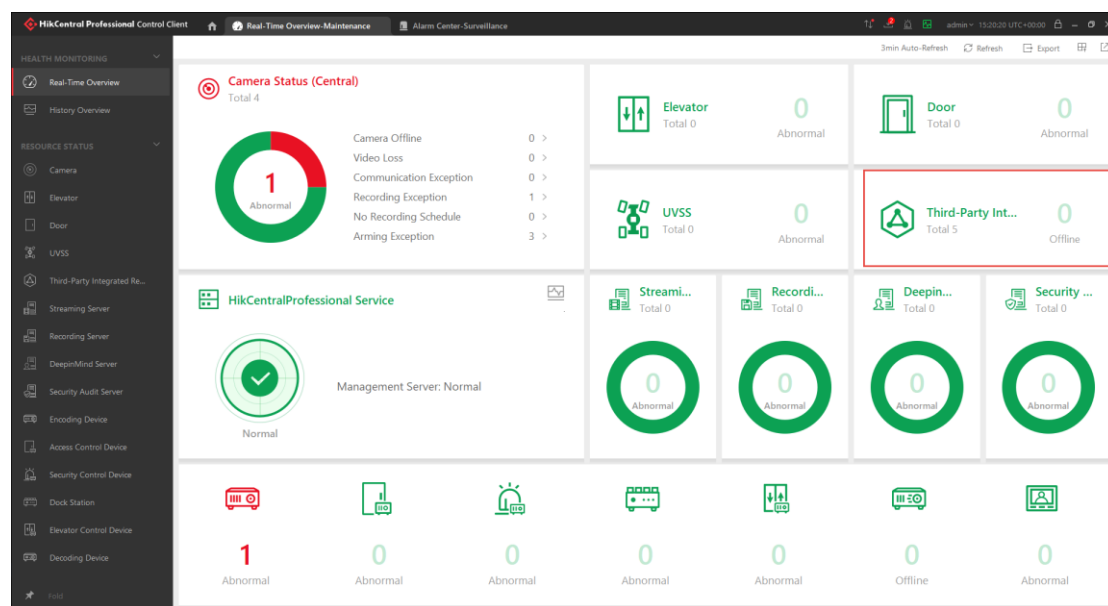
6.3.1 Emap Status Display In Real Time

When the status of a resource changes, the icon in Emap changes according to the configuration. Click on the resource, and then Remark will show the description details of the status in the popup window.

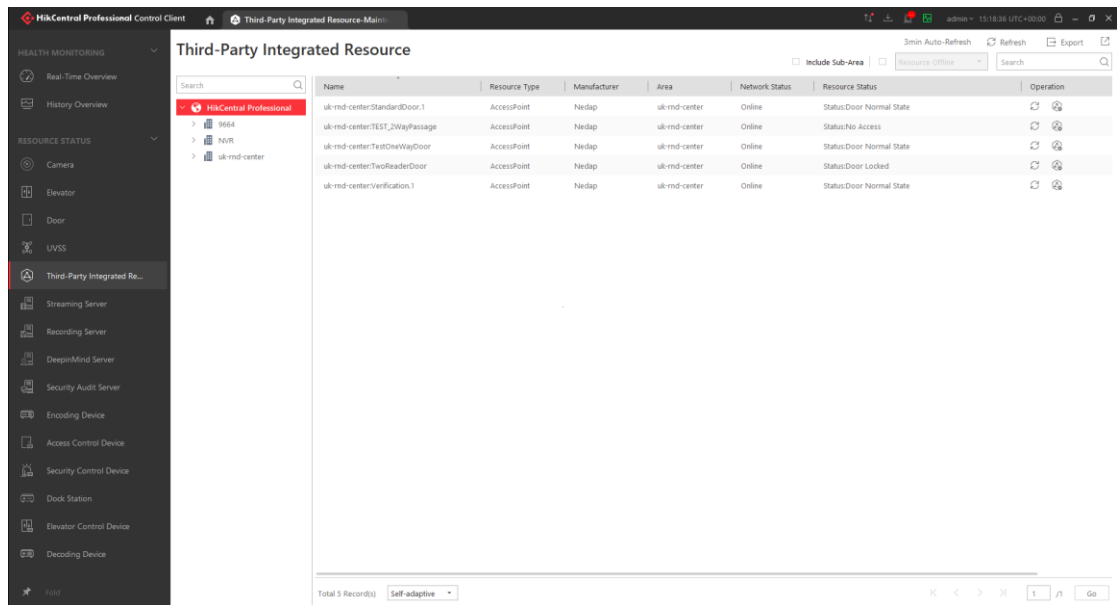


6.3.2 Health Monitoring

- 1) Log into HikCentral Professional Control Client, enter "Health Monitoring module", and view the resource online status directly in the "Real-Time Overview" page.

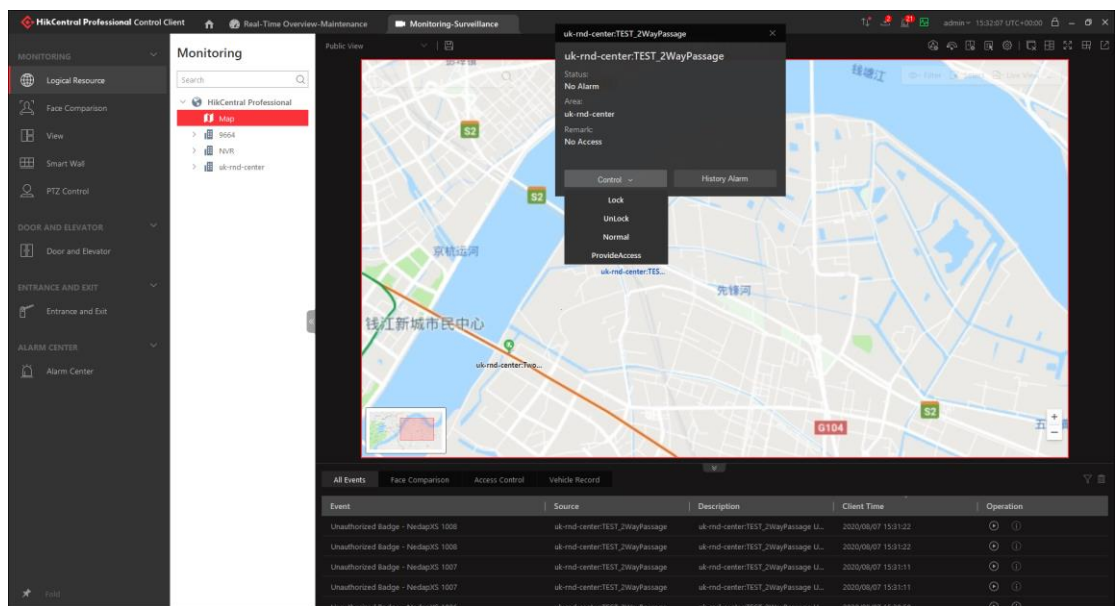


- 2) Click to view the detailed status, which is refreshed once every 3 minutes, and manually refreshed also can be supported.

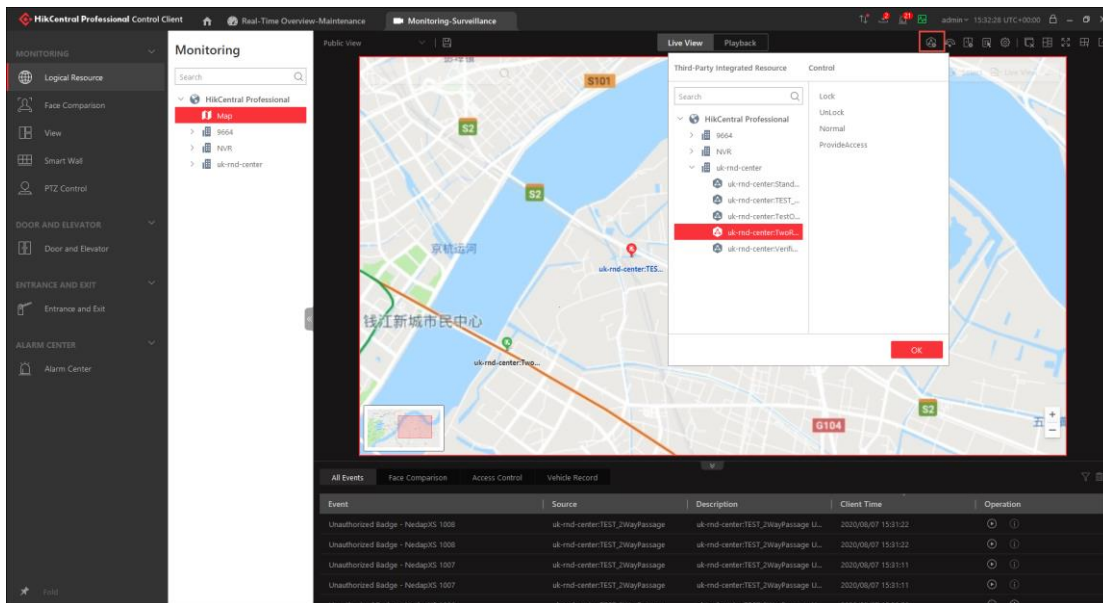


6.4 Resources Control Manually

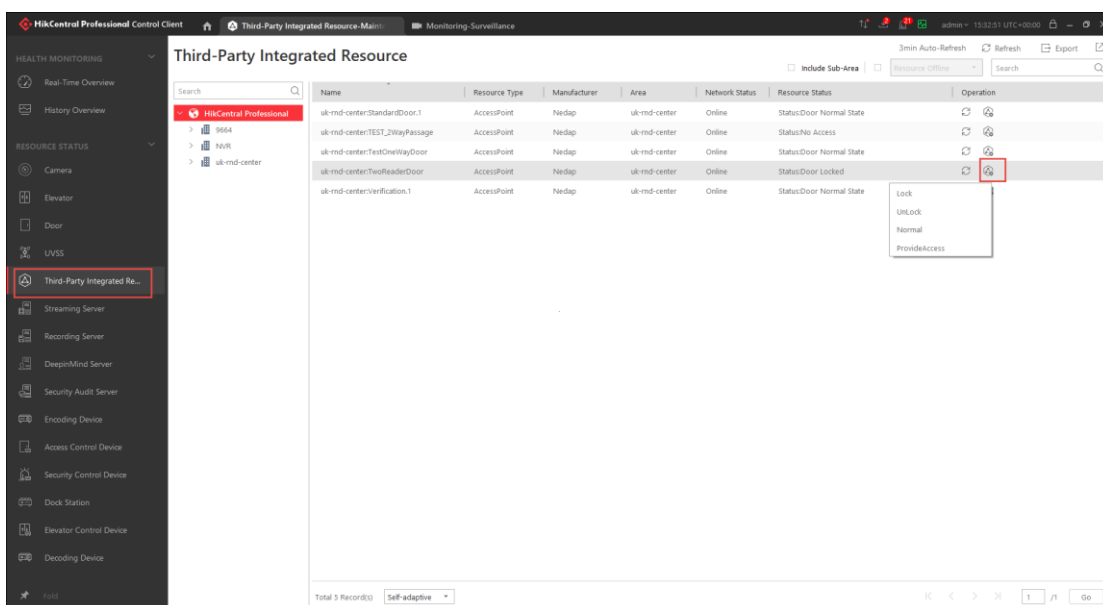
- 1) Log into HikCentral Professional Control Client, enter "Monitor" and open "GIS/Emap" to select resources for control.



- 2) Log into HikCentral Professional Control Client and go to the toolbar at the top of the "Monitor" page to select resources for control.



3) Log into HikCentral Professional Control Client and go to “Health Monitoring”, where you can select resources to control



7. Advanced configuration

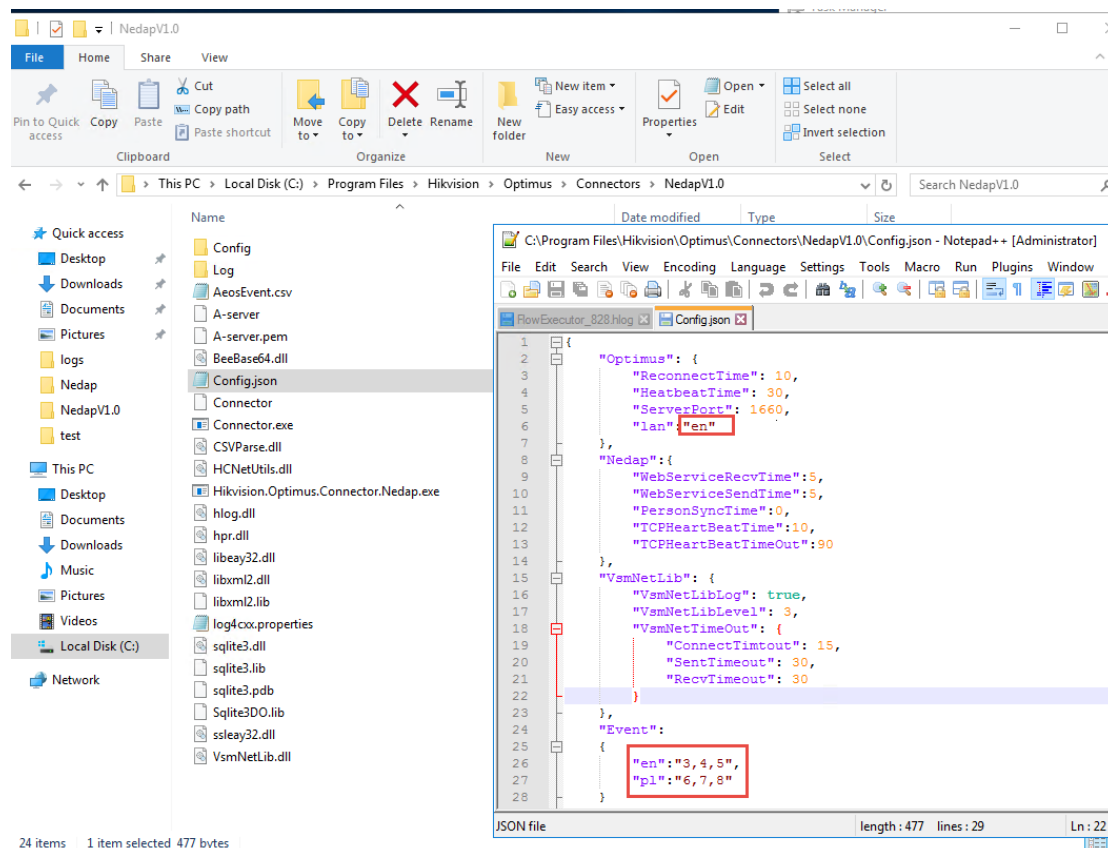
This chapter describes the custom configuration capabilities provided by system. It's recommended that modifications are made under the guidance of technical experts.

7.1 Custom Translation

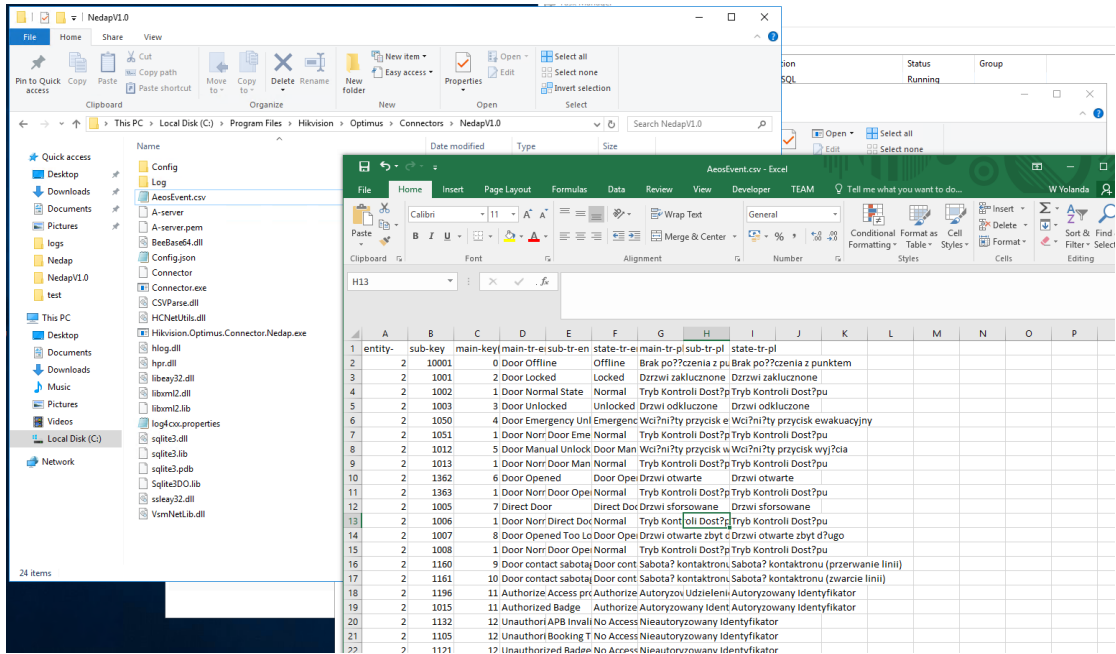
By modifying the configuration file under Nedap Connector, you can modify the multi-language alarm in the current system (the system needs to be switched after the installation is completed and before the deployment configuration, and the switching is not supported after the system is

deployed)

- 1) Enter the Nedap Connector installation path, open the Conig.json file, and modify the "lan" field to be the specified multi-language type. The current version only supports English and Polish, or you can add more by yourself
- 2) After the modification is completed, restart the Nedap Connector (add the Connector again or restart the Optimus service directly) to take effect

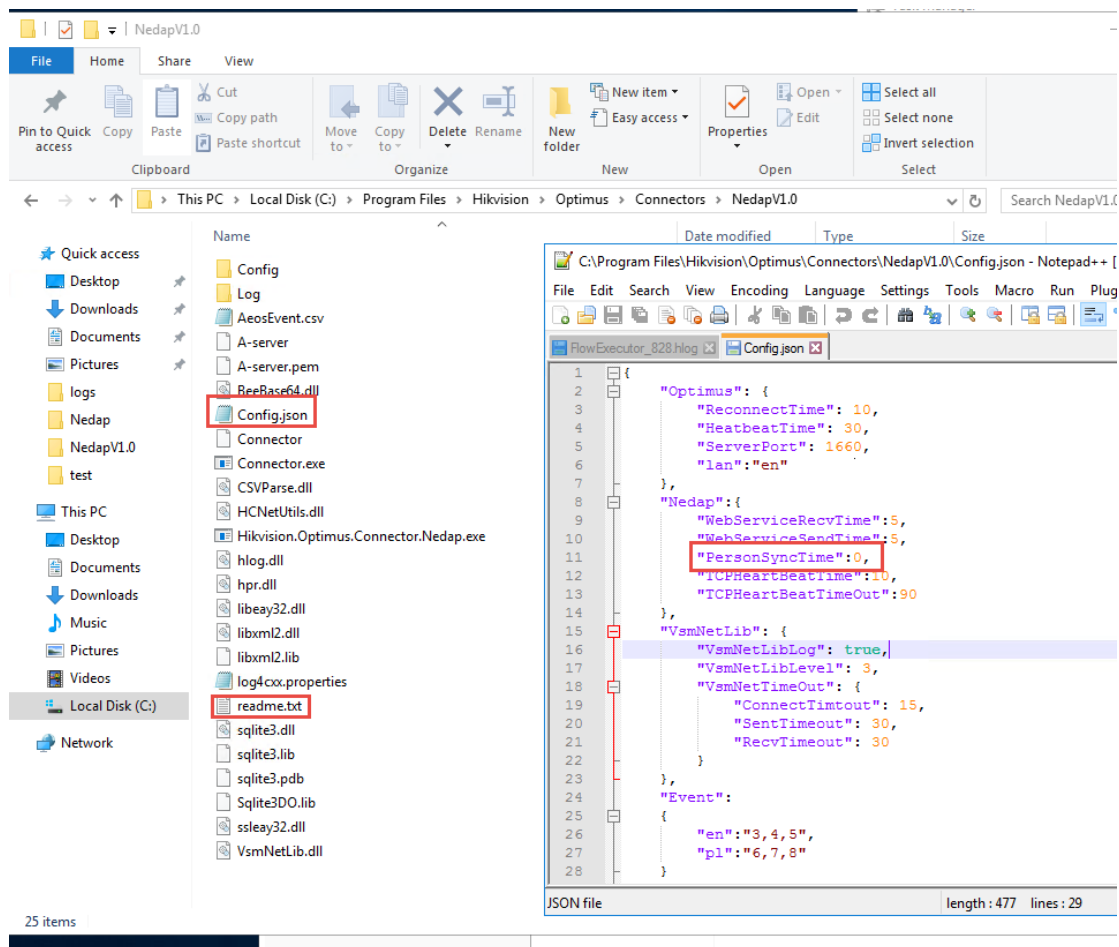


- 3) You can edit the AeosEvent.csv file to change the name of existing alarms, add new alarm type, add new alarm/status multi-language translation, and adjust the translation. (The service must request a restart to upate all the modification after manual operating.)



7.2 Time setting of the daily person synchronization

The fixed time of daily person synchronization can be configured by modifying the Nedap Connector configuration file, and will be enabled after manually restart the Optimus service. The default synchronization time is the 0:00 at the local time zone. Please refer to readme.txt in the installation path of Nedap Connector for more network configuration.

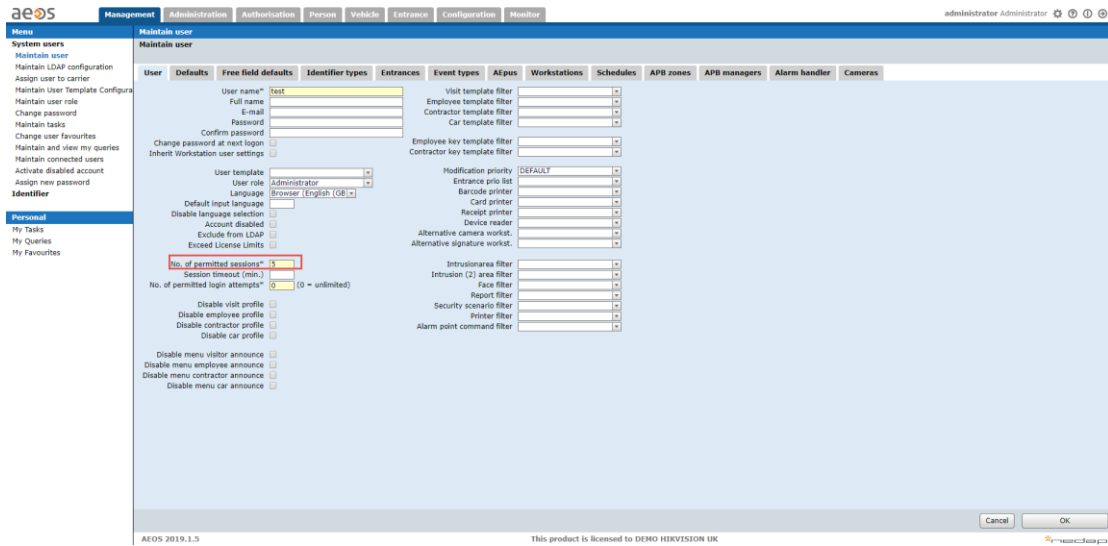


8. Limit Clarification

8.1 Requirements of AEOS system configuration

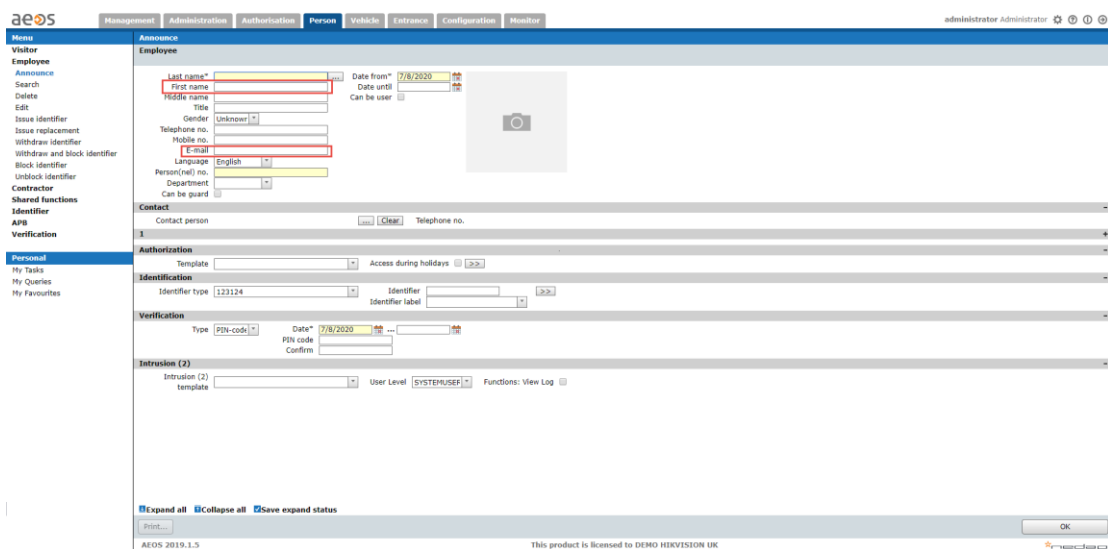
1) Users assigned to HikCentral integration need to set the number of sessions to 2 or more (it is recommended to set the maximum number to 5)

Note: When HikCentral is connected to AEOS, in order to ensure the accuracy of the message, ordinary commands and alarms are processed separately, and the alarm occupies a Socket long link; the Socket connection is established in real time every time when sending a normal command, and it is closed when it is used up. Therefore, the concurrent efficiency of message processing is (the maximum number of sessions - 1) .

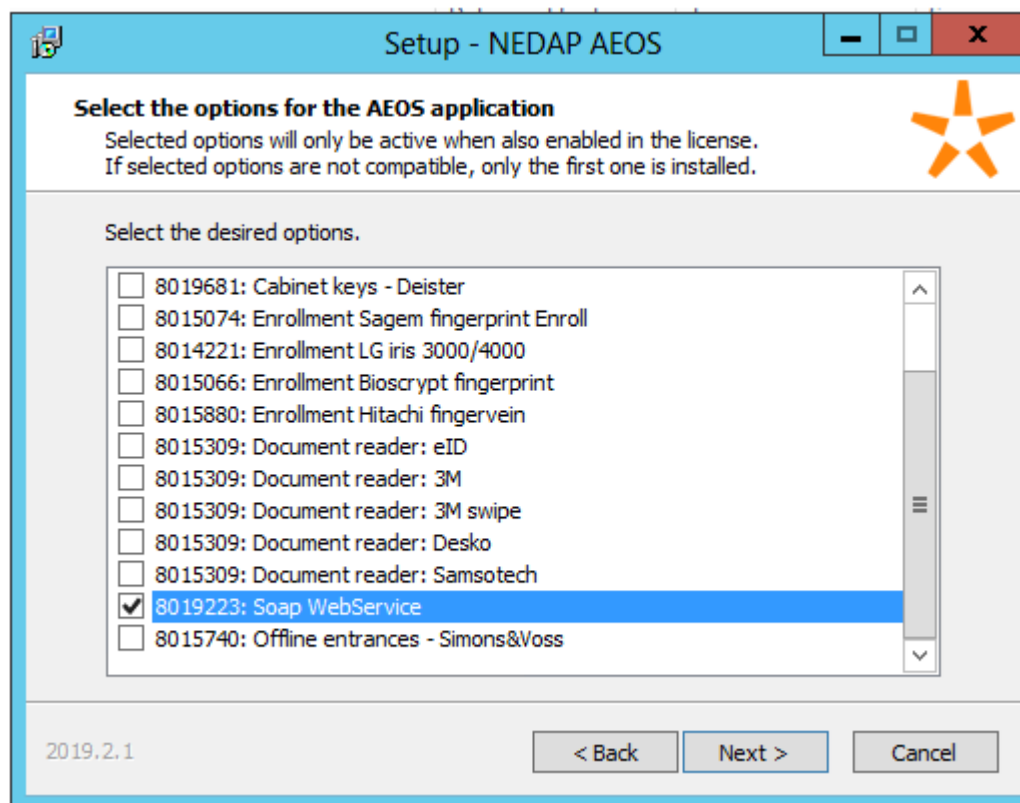


2) The image size of the added personal photo cannot be over 200kb

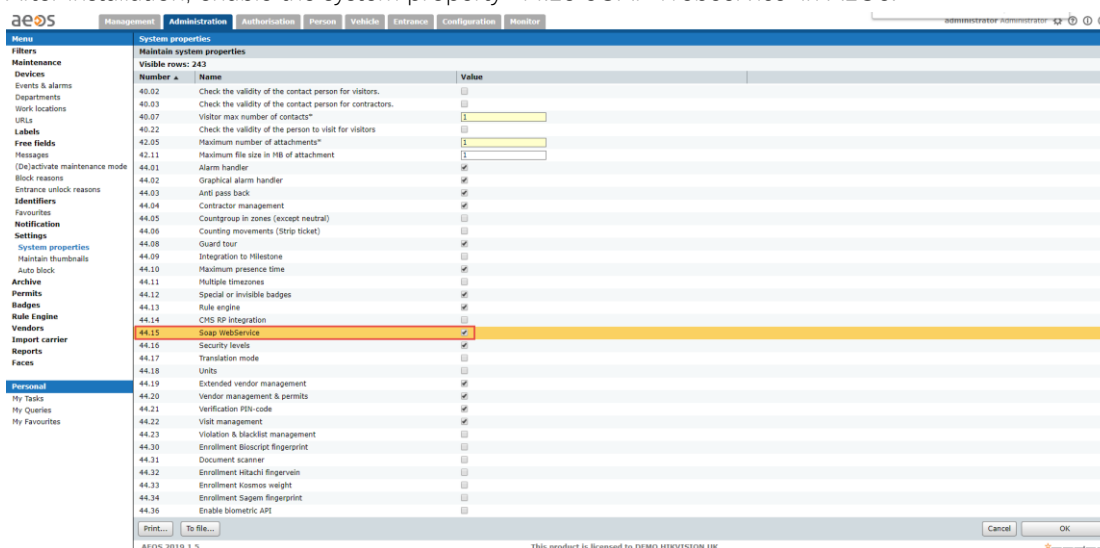
3) To ensure the accuracy of personal information, Hikcentral would verify the Email format of synchronized person ('@'). Please type the correct content (or do not fill in), and First Name is required(making this field mandatory in AEOS), if the format is incorrect, this person might sync failed.



4) During the setup of AEOS, enable the SOAP WebService as shown in the printscreen below



After installation, enable the system property '44.15 SOAP Webservice' in AEOS.



8.2 Requirements of Optimus Configuration

- 1) Now Optimus License only supports online activation, so please confirm server can successfully visit <https://tpp.hikvision.com> before activating.
- 2) Optimus-Nedap Connector automatically synchronizes the resource data, so please **Do Not** delete connector from HikCentral, which may cause resource synchronization exception and configuration missing.
- 3) The files related to Optimus might not be removed completely when uninstalling the Optimus. Please manually delete the files in the paths of C:\Program Files\Hikvision and

C:\ProgramData\Hikvision if there's a request of reinstallation .

8.3 Requirements of HikCentral Professional Configuration

- 1) Nedap alarm linkage with Emap: Alarm will show the linkage with GIS map in High priority if the resource has been added to GIS Map, and will show the location on the first configured Emap.
- 2) When synchronizing data, person will be added to corresponding group and list if person list and AccessGroup were created in HikCentral Professional, otherwise, person will be synchronized to the root path of AllPerson.

9. Release Notes

Version	Date	Modified By	Decription
V1.0	2020-08-07	Yolanda.Wang	Compeleted the first version