# Nedap Integration Version User Manual



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# 1. Materials List

Materials List	Descrpition	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



A https://127.0.0.1:44332/Optimus/ P - O Certificate e	🗸 🗇 Hikvision Optimus 🛛 👋	- □ 命☆發
		1
	CP C	
	HIKVISION OPTIMUS	
	CONNECT TO DATABASE	
admin	Username	
	Password	
Optimus	Database Name	
127.0.0.1	hU	
	Port	
	Connect	
	Wrong selection? Go back	

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

	😰 Task Manager					
	File Options View					
	Processes Performance Users Details	Services				
	Name	PID	Descript	ion	Status	Group
	Optimus Nainx	7328	Optimus	Nainx	Running	
	Optimus MongoDB	3944	Optimus	MongoDB	Running	
	强 Optimus Host Service	8476	Optimus	Host Service	Running	
	OneSyncSvc_58ea5	9656	Sync Ho	st_58ea5	Running	UnistackSvcGr
	ConeSyncSvc		Sync Ho	st	Stopped	UnistackSvcGr
	🔍 nsi	1076	Network	Store Interface Service	Running	LocalService
	🔍 NIaSvc	1172	Network	Location Awareness	Running	NetworkService
	🔍 Nginx		Nginx		Stopped	
	RecSvc		Microso	ft Passport	Stopped	LocalSystemN
	S NgcCtnrSvc		Microso	ft Passport Container	Stopped	LocalServiceN
Administrator: Command Prompt	-		×	Port Sharing Service	Stopped	
Nicrosoft Windows (Vension 10 0 14303)				Setup Service	Stopped	netsvcs
(c) 2016 Microsoft Corporation, All rights reserved.				List Service	Running	LocalService
(-)				Connections	Stopped	LocalSystemN
C:\Users\Administratoronetstat -ano findstr 3944				n	Stopped	
TCP 127.0.0.1 27017 0.0.0.0:0 LISTENING 3944				Connection Broker	Running	LocalSystemN
C:\llsens\Administraton\				Connectivity Assistant	Stopped	NetSvcs
				s Installer	Running	
				ft iSCSI Initiator Service	Stopped	netsvcs
				ed Transaction Coordinator	Running	
				s Firewall	Running	LocalServiceN
				ided Maps Manager	Stopped	NetworkService
			-	ssion Manager	Running	DcomLaunch
				VetBIOS Helper	Running	LocalServiceN
				er Topology Discovery Map	Stopped	LocalService
				s License Manager Service	Stopped	LocalService
				tion Service	Running	netsvcs
				tion	Running	NetworkService
					Running	smbsvcs
				for Distributed Transaction	Stopped	NetworkServic
				Server convice (KDS)	Stanned	VacCusGroup
			~			

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



(=)	1:44332/Optimus/ 🔎 👻 Certificate e 🖒 🔗 Hikvision Optimus	<	- □ × ☆☆☺
	•		
		UN UP INVOS	
	CONNECT	ION SUCCESSFUL	
	Restarting. The p	age will reload in 24 seconds.	
	127.0.0.1	h	
		Port	
		Connect	
	Wron	g selection? <u>Go back</u>	
	Would you like to store your password for 127.0.0.1? More info	Yes Not for this site ×	

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

C () () trps://127.00.1:44332/0p	otimus P - ♥ Certificate e C	Hikvision Optimus ×	- □ × ☆ ֎ ⊕
		HIKVISION OPTIMUS Create Administrator User	
	admin	User Name Password	
	*****	Confirm	
Would	you like to store your password for 127.0.	11? More info Yes Not for this site ×	•

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



🗲 🕣 😂 https://127.0.01:44332/Optimus/ 🔎 👻 😵 Certificate e 🖒	Hilvision Optimus ×	- □ × 슈☆戀"
•	· · · · · · · · · · · · · · · · · · ·	
	HIKVISION OPTIMUS	
	Congratulations :)	
	congratulations ()	
	You have created the Administrator user successfully.	
In case that yo	u need to reset the password when you forget it. An encrypted file was generated automatically, please download and save it to a safe place.	
	Download the Encrunted File	
Plea	se click Activate License to activate Optimus and start your tour with it.	
	Your trial has started and will expire in 7 days.	
	Activate License Continue Trial	

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)

🗲 🛞 🔯 https://127.0.0.1.44332/Optimus: 🔎 👻 Cetificate e 🖑 🚳 Hikvision Optimus 🛛 🗙		- □ × 슈☆戀®
<b>←</b>		+
HIK VISION UPTIMUS		
Activate Optimus Core Licens	2	
Activate Optimitas Core Elcenso	e des start using Ontinus	
four that will expire in 7 days. Please activate optimus of click continue the	ar to start using Optimus.	
Step 1: Copy Serial Number Below (You will need it to generate the License Activation Fil WNxLm-uDuBi-Fooc4-WxfK	Copy	
Step 2: Generate License Activation File		
Please contact your dealer to generate the License Activation File.		
Activation File	Browse	
Activate Continue Trial		
		4

# 3.3 HikCentral Professional Connector Installation

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

# **HIKVISION**

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)

🕎 Task Manager					_		Х
File Options View							
Processes Performance Users Details	Services						
Name	PID	Description	Status	Group			^
A PhoneSvc		Phone Service	Stopped	LocalService			
🔍 PerfHost		Performance Counter DLL Host	Stopped				
ReaSvc	320	Program Compatibility Assistant Ser	Running	LocalSystemN			
🔍 Optimus Nginx	12992	Optimus Nginx	Running				
🔍 Optimus MongoDB	12796	Optimus MongoDB	Running				
🔍 Optimus Host Service	16340	Optimus Host Service	Running				
🔍 OneSyncSvc_58ea5	9656	Sync Host_58ea5	Running	UnistackSvcGr			
🔍 OneSyncSvc		Sync Host	Stopped	UnistackSvcGr			
🔍 nsi	1076	Network Store Interface Service	Running	LocalService			
🔍 NIaSvc	1172	Network Location Awareness	Running	NetworkService			
🔍 Nginx	14040	Nginx	Running				
Superstant Sector Secto		Microsoft Passport	Stopped	LocalSystemN			
Signature And Antonio		Microsoft Passport Container	Stopped	LocalServiceN			
NetTcpPortSharing		Net.Tcp Port Sharing Service	Stopped				
🔍 NetSetupSvc		Network Setup Service	Stopped	netsvcs			
🔍 netprofm	1076	Network List Service	Running	LocalService			
🔍 Netman	320	Network Connections	Running	LocalSystemN			
🔍 Netlogon		Netlogon	Stopped				
🔍 NcbService	320	Network Connection Broker	Running	LocalSystemN			
🔍 NcaSvc		Network Connectivity Assistant	Stopped	NetSvcs			
🔍 msiserver		Windows Installer	Stopped				
SISCSI		Microsoft iSCSI Initiator Service	Stopped	netsvcs			
SDTC	3156	Distributed Transaction Coordinator	Running				
🔍 MpsSvc	1212	Windows Firewall	Running	LocalServiceN			
🔍 MapsBroker		Downloaded Maps Manager	Stopped	NetworkService			
🔍 LSM	784	Local Session Manager	Running	DcomLaunch			
🔍 Imhosts	444	TCP/IP NetBIOS Helper	Running	LocalServiceN			
🔍 lltdsvc		Link-Layer Topology Discovery Map	Stopped	LocalService			
🔍 LicenseManager		Windows License Manager Service	Stopped	LocalService			
🔍 lfsvc	1016	Geolocation Service	Running	netsvcs			
Alasman Waketation 1173 Waketation Dunning Natural Series						~	
🔿 Fewer details   🍇 Open Services							

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

Sourcefilepath:C:\ProgramFiles\Hikvision\Optimus\Connectors\d5bcfa77-28bc-d31b-c067-39f6ea1bcafe\Nedap\Config\nginx.conf

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

📙 > This PC > Local Disk (C:) > Program Files > Hikvision > Optimus > Nginx > conf							
	Name	Date modified	Туре	Size			
	fastcgi.conf	8/1/2020 22:57	CONF File	2 KB			
7	📄 fastcgi_params	8/1/2020 22:57	File	1 KB			
R	koi-utf	8/1/2020 22:57	File	3 KB			
×	📄 koi-win	8/1/2020 22:57	File	3 KB			
*	mime.types	8/1/2020 22:57	TYPES File	6 KB			
	mginx.conf	8/2/2020 20:55	CONF File	5 KI			
	scgi_params	8/1/2020 22:57	File	1 KB			
	uwsgi_params	8/1/2020 22:57	File	1 KB			
	win-utf	8/1/2020 22:57	File	4 KB			
	> This	<ul> <li>&gt; This PC &gt; Local Disk (C:) &gt; Program Files</li> <li>Name</li> <li>fastcgi.conf</li> <li>fastcgi_params</li> <li>koi-utf</li> <li>koi-win</li> <li>mime.types</li> <li>nginx.conf</li> <li>scgi_params</li> <li>uwsgi_params</li> <li>win-utf</li> </ul>	<ul> <li>&gt; This PC &gt; Local Disk (C:) &gt; Program Files &gt; Hikvision &gt; Optimus &gt;</li> <li>Name</li> <li>fastcgi.conf</li> <li>fastcgi.params</li> <li>koi-utf</li> <li>koi-utf</li> <li>koi-win</li> <li>k/2020 22:57</li> <li>koi-win</li> <li>k/2020 22:57</li> <li>mime.types</li> <li>k/2020 22:57</li> <li>nginx.conf</li> <li>s/2/2020 20:55</li> <li>scgi.params</li> <li>k/2020 22:57</li> <li>uwsgi.params</li> <li>k/2020 22:57</li> <li>win-utf</li> <li>k/2020 22:57</li> </ul>	<ul> <li>&gt; This PC &gt; Local Disk (C:) &gt; Program Files &gt; Hikvision &gt; Optimus &gt; Nginx &gt; conf</li> <li>Name</li> <li>Date modified</li> <li>Type</li> <li>fastcgi.conf</li> <li>8/1/2020 22:57</li> <li>File</li> <li>fastcgi.params</li> <li>8/1/2020 22:57</li> <li>File</li> <li>koi-win</li> <li>8/1/2020 22:57</li> <li>File</li> <li>mime.types</li> <li>8/1/2020 22:57</li> <li>File</li> <li>nginx.conf</li> <li>8/1/2020 22:57</li> <li>File</li> <li>scgi.params</li> <li>8/1/2020 22:57</li> <li>File</li> <li>win-utf</li> <li>8/1/2020 22:57</li> <li>File</li> <li>scgi.params</li> <li>8/1/2020 22:57</li> <li>File</li> <li>win-utf</li> <li>8/1/2020 22:57</li> <li>File</li> </ul>	> This PC > Local Disk (C:) > Program Files > Hikvision > Optimus > Nginx > conf         Name       Date modified       Type       Size         Image: fastcgi.conf       8/1/2020 22:57       CONF File       2 KB         Image: fastcgi.params       8/1/2020 22:57       File       1 KB         koi-utf       8/1/2020 22:57       File       3 KB         koi-win       8/1/2020 22:57       File       3 KB         image: koi-win       8/1/2020 22:57       File       3 KB         image: koi-win       8/1/2020 22:57       File       5 KB         image: koi-win       8/1/2020 22:57       File       1 KB         imag		

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

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# 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

 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.

		admin $\!$
Dashboard	Health Status	Activities
HH Connectors	annunum (Commo ) Interneting	Connector disconnected 2020/08/3413.835 The connector (HikCentral - EU Connector-anz) is now disconnected. By HiCentral - EU Connector-anz Acknowledge
₹ Flows	License	Connector disconnected 2020/08/14 12:51:19
Data Synchronization	Cotinua Care Activate License Activate License	The connector [LUX] is now disconnected. By LUX Acknowledge
🚨 User Management	7/034-00/06-7604-01/0F Trail Expiry: 2020-06-24 Applied To Optimus 1.1.0	Connector disconnected 2020/06/14 10:3507 The connector [HillCentral - EU Connector-2mz] is now disconnected.
E6 Logi	Rev Executor Modules Supported	By HikCentral - EU Connector-2m2 Acknowledge
🔅 Semings	Mager bar DataSynchronization Enabled	Connector disconnected 2020/08/13 22:2058 The connector [HikCentral - EU Connector] is now disconnected.
	Integrated Systems	Ily HikCentral - EU Connector Acknowledge
	Hickertal 1.5 Created by Hargehou Hiorison Digita. Expiry 2009-12-31 Update Leorem Hickertal - EU Created by Hargehou Hiorison Digita. Expiry 2009-12-31 Update Leorem	Connector disconnected 2020/08/13/21:50:45 The connector (HiliContral - EU Connector) is now disconnected.
	Nedap Created by Hangshou Hikvision Digita Expiry: 2119-7-13 Update License	Ity. HikCentral - EU Connector Acknowledge
	Galary Connector Created by Unknown No License Apply License	Connector disconnected 2000/08/13 211955 The connector (HikCentral - EU Connector) is now disconnected.
		By HikCentral - EU Connector Acknowledge
	Fincentra - Di Konocetor and	Connector disconnected 2000/01/3204922 The connector (Hi4Central - EU Connector) is now disconnector. By Hi4Central - EU Connector Acknowledge
		Connector disconnected 2020;09/3139:8604 The connector [HiliCentral - EU Connector] is now disconnected.

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.

V			1	
	CP I			
	HIKVISION OPTIMUS			
Ad	ctivate Optimus Core License			
Your trial will expire in 9 da	ys. Please activate Optimus or click Continue trial to	start using Optimus.		
Step 1: Copy Serial Number Bel	ow (You will need it to generate the License Activation File)			
y7034-uDu8i-Fooc4-UxfF		Сору		
Step 2: Generate License Activa Please contact your dealer to g	tion File enerate the License Activation File.			
Step 3: Import License Activatio	in File			
Activation File		Browse		
	Activate Continue Trial			

 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.



	ince								_	×
	inse .									
Pile Home	Share	Cut Copy path Paste shortcut	Move Co	py Delete Rename	New item •	Properties	Select all			^ <b>(</b>
Clint	board	ruste shorteut	10 - 10	Organize	New	Open	Select			
	. This D	IC . La sel Diele	(C) + DAC	KACE & Linner		open	Select		Constation of	
, ← → * r <u> </u>	> THISP	·C > LOCALDISK	(C:) > PAC	Ade > License				~ 0	Search License	0
)	^	Name				Date modified	Туре	Size		
Quick access		HikCentra	I - EU_y7O34	-uDuBi-Fooc4-UxfF_Tin	nebased_20200811004627.x	ml 10/08/2020 17:46	XML Document	2 KB		
Desktop	7	🔮 Nedap_y7	O34-uDuBi-F	ooc4-UxfF_Timebased_	20200810231446.xml	10/08/2020 16:15	XML Document	2 KB		
Downloads	*	🔮 Optimus (	Core_y7O34-i	uDuBi-Fooc4-UxfF_Tim	ebased_20200811184211.xm	14/08/2020 16:20	XML Document	2 KB		
Documents	*									
Pictures	*									
Connectors										
Log										
logs										
TpiInfo										
This PC										
Desktop										
Documents										
🕹 Downloads										
Music										
Pictures										
Videos										
Local Disk (C:)	~									
3 items										==

 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.

Dashboard	Health Status	Activities Change Password
Connectors	and the second s	Connector disconnected The connector (HitCentral 1.6 Log Out y
Flows		By HikCentral 1.6 Connector-2MZ Acknowledge
Data Synchronization	(imme far)	
User Management	Poor facata	
b Logi	Margening Tablet Manager Prov Manager Of Nodep	
Settings	Connector	
	Marger Optimus Manager	
	Ut Host	
	HaCentra LA	
R.		

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



otimus Core			Deactivate License
y7O34-uDuBi-Fooc4-UxfF	Activated	Expiry: 2119-07-13	
Applied To	Optimus 1.1.1.0		
Modules Supported			
DataSynchronization	Enabled		
egrated Systems HikCentral 1.5	Created by Hangzhou Hikvision Digita	Expiry: 2099-12-31	Update License
	Created by Hangzboy Hilwision Digita	Expiry: 2119-7-16	Update License
HikCentral - EU	created by Hangzhou Hikvision Digita		
HikCentral - EU 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.



HikCentral Professional Web Client			Site Map   Hi,admin 🗸
Configuration This section offers functions used to configure the system.	Physical View Locical View License License Details License List	Event & Alarm Access Lev	Access Control Quick Start
	Authorization Details	Details	Access control lest
	Queue Analysis	Enabled	•
	Heat Analysis	Enabled	Help
	Pathway Analysis	Enabled	Web Client Video Tutorial
	Person Feature Analysis	Enabled	Web Client User Manual
	Health Monitoring	Enabled	Maintenance
	Se HikCentral Professional Server Dis	stribute () Disabled	Back Up and Restore System Data
	Third-Party Integration	Enabled	Export Configuration Data
	Software Upgrade Program	Expiry Date: 2021-06-15	Upgrade Device Firmware
	<ul> <li>Please properly keep your activation coor SYS, otherwise the activation code cannot</li> </ul>	de. Deactivate the SYS if you need to uninstall to the used any more.	he License Details ()
Applications	L'	Close	License Expiry Date: 2020-09-16(Trial Period) Update License >
This section offers various applications to help security professionals.			
	Monitoring Intelligent Analysis		Download Installation Package

# 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.



<u></u>	ikCent	tral Professional Web Client		Site Map   Hi,admin V
ŵ	>	Normal	Transfer Protocol	
$\bigcirc$	$\rightarrow$	Network		
_	$\rightarrow$	Storage	Clients and SVS Transfer O HTTP	
	>	Schedule	Configure & Annual Annihila Statificate	
圃		Email	Cerimicate (#) System Volvado Cerimicate	
_		Report		
Eg		Evidence Collection	Save	
R	_`	Security		
		Transfer Protocol		
団		Service Component Certificate		
2		Database Password		
	)	Advanced		
Åe				
2				
$\odot$				
<i>5</i> 73,				
1050°				
>2				

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

🔶 Hi	kCentral Professional Web Client	Site Map $~ ~$ Hi,admin $\sim$
ŵ	> Normal	Third-Party Integration
$\Diamond$	> Network	
_	> Storage	Integrate via Optimus
	> Schedule	
	Email	No third-party resources for integration detected.
	Report	Open API
Ē	Evidence Collection	
n	> Security	Save
LO	✓ Advanced	
Ē	Camera ID	
_	Working Mode	
	Health Check Frequency	
[A <sup>c</sup> =]	Plate Fuzzy Search	
	Hot Spare	
9	Third-Party Integration	
6	Data Interchange	
	Reset Network Information	
ą.	SUP Upgrade Prompt	

# 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.



HikCentral Professional Web Client		Site Map   Hi,admin ~
🛇 🗸 Normal	Map	
Site Name		
Мар	icon Settinas	
User Preference		
Server Usage Thresholds	Type O Hot Region	
> Network	O Door	
E Starage	<ul> <li>Elevators</li> </ul>	
S Estadeda	<ul> <li>Radars</li> </ul>	
	<ul> <li>Alarm Input</li> </ul>	
Email	Alarm Output     Inse	
Report	Third-Party Integrated Resource	
Evidence Collection		1
> Security	Size Writin (pt) 30 . 1	
> Advanced	Heght (b)	
	Picture + Add	
( <b>A</b> )	🙆 ବୃ ବୁ	i
$\odot$	Default Default Default	
	<u> </u>	
\$ <del>\$</del>	Default Default Default	
32		
~	Map Background Setting	
	Enable Background Color	
	* Background Color # D07091	

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.



🔶 Hi	ItikCentral Professional Web Client     Site Map     Hitadmin >						
ش ۳	Roles	+ Add	ivate 🛛 Refresh All	Ŷ			
5 <u>8</u>	Users	Name	Role Status	Effective Period			
п	Security Settings	Administrator	Active	2016/01/01 00:00:00-2099/12/31 23:59:5			
ELC)		Operator	Active	2016/01/01 00:00:00-2099/12/31 23:59:5			
Ë							
8							
<b>-</b> °-							
AE							
(e)							
$\overline{\heartsuit}$							
~~~							
-£Ç?		4					
23		Total 2 Record(s) 100 -		K < > > 1 /1 Go			

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

••••	incentral professional web client		
ŵ	Roles	© Add Role	
Ŷ	Users	Copy from •	-
	Security Settings	Effective Paried 2016/010100003-20091/2/11 2004	
05		Permission Schedule Template Al-day Template View	
圕		*Rele Statu: 🔶 Active 🔿 Interive	
E <u>s</u>		Description	
ß		Permission Settings	
₿		Application Scenario 🔋 General	
8		<ul> <li>Retal</li> </ul>	
Âr		*Permission Area Display Rule Resource Access User Permission Select Permission	
<u>`</u> `````		Search	
		> 🗋 Alam Output	
0		> UVS	
\$		Central Demonstration	
23		houde Acces      tot	
		Unice: She Helli Sutu	
		□ Integer Sector ♥	
		Add Add and Continue Cancel	

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.



<u></u>	ikCentral Professional Web Client		Site Map   Hiadmin v
ඛ	V Normal	Map	
$\Theta$	Site Name	map	
	Мар	Icon Settings	
	User Preference		
r開	Server Usage Thresholds	type	ind rayon     Canea     Canea
Lass	> Network		Ober
E <u>s</u>	> Storage		O Beators
_	> Schedule		Rades
6	Email		○ Alem Notat
<b></b>	Report		0.0455
	Fuidence Collection		Third-Party Integrated Resource
R	Evidence Collection	Size	Widh (p) 56 📫 🗌
	> security		Height (pd) 56
Ŕ	> Advanced	Picture	- 144 12 64
Ø			Default
Ø			
- 23		Map Background Setting	
		Eastela Racknew and Color	
		chable background Color	
		<ul> <li>Background Color</li> </ul>	# D07091
			Save

#### 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.

🔶 Hi	kCentral Professional Web Client		Site Map   Hijadmin 🗸
ଜ	System-Monitored Event	E Add System-Monitored Event	
Ø	Generic Event User-Defined Event	Trigger Recording	
#	Alarm	Create Tog	
		Capture Picture	
ß		Link Access Point	
E <u>a</u>		Link Alam Output	
G		Trigger #TZ	
曲		Link Third-Party Integrated Resource	
		+ Add  Delete All  Mana Assa Control  Operation	
		uk-md-ca uk-md-ca Select one item.	
K.			
9			
0		Send final	
\$		Trigger User-Defined Svert	
28			
		Add Add and Trigger Alarm Cancel	

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 <u>https://ipaddress:44332</u>, and go to Connector, add HikCentral 1.6 Connector.



ANKVISION OPTIMUS				admin ~ Help ~
Dashboard	G Create New Connector			
Connectors		Choose System to Integrate		
🛓 Hows		HikCentral 1.6 Hangshou Hikriston Digital Technology Ltd, Co.	~	
Data Synchronization		Configurations		
🚊 Unit Management		HikCentral 1.6 Connector	Connector Name	
		127.0.0.1 Un	Username	
		Password	443 Port	
		5000 Connection interval (ms)	2000 Polling interval (ms)	
		Save	Cancel	
:=-				

2) The status will show "Connected".

A HIKVISION OPTIMUS					dmin ⊻ Help ¥
Dashboard	Connectors			Sort by Connector Name (ASC) $\backsim$	88 =
Connectors	+ Create New Connector				Q
E Flows	HikCentral 1.6 Connector Connector Status @ Enabled	Nedap Connector Connector Status © Enabled			
Data Synchronization	HitCentral 1.6 Connection Status © Connected	acos Nedap Connected			
Liser Management					
Eo logi					
Settings					
:=-					

### 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 $\simeq$ Help $\sim$
Dashboard	Create New Connector			
Connectors		Choose System to Integrate		
E Flows		Nedap Hangshou Hikeisian Digital Technology Ltd, Co.	~	
🗐 Data Synchronization				
🚊 Unit Management		Configurations Nedap Connector	Connector Name	
		10.199.26.247 lp Address	8443 AEOS Server Port	
		8035 AEOS Server TCP Por	Administrator AEOS Server User Name	
		AEOS Server Password		
		Save	Cancel	
12.				

2) The status will show "Connected".

WIKVISION OPTIMUS				adr	nin 🐃 Help 😪
Dashboard	Connectors			Sort by Connector Name (ASC) $\backsim$	88 =
Connectors	+ Create New Connector				Q
E Flows	HikCentral 1.6 Connector Connector Status @ Enabled	Nedap Connector Connector Status Connector Status			
Data Synchronization	HitCentral 1.6 Connection Status Connected	Connection Status Connected			
Liser Management					
Eo toga					
Dettings					
:=-					

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 <u>https://127.0.0.1:33221</u>. It only allows access via 127.0.0.1



🔆 🛞 💿 https:// <b>127.0.0.1</b> :33221/#/th ۹ •	Certificat C Web Client ×	-	□ × ☆☆戀 ©
+ Add			
Device Name	Address	Port	
Nedap AEOS	10.199.26.247	8035	

2) Add device as needed.

(-) (-) (-) (-) (-) (-) (-) (-) (-) (-)	😵 Certificat 🖒 📀 Web Client	x	- □ × 命☆戀 <sup>(9)</sup>
Add Device			
Basic Information			
* Device Address	10.199.26.208		
* Device Port	8035		
* Device Name	AEpu	] ⊘	
* User Name	nedap	] ⊘	
* Password	•••••	] ⊘	
	Add Add and C	Continue Cancel	

# 5.2.2 Data Synchronization

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





i≣∙

2) Data can be syncrhonized Schedulely or manually.

Destination: HikCentral 1.6

Entity Type: ThirdPartyElement

Source: Nedap Connector

Entity Type: AccessPoint

Refer to the chart below ((\* item is mandotory).

EntityType		AccessPoint		
Synchronization Ty	/pe	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</i> <i>AEpu name</i>	
*TypeName	Type Name in Logical View	Type Name	"AccessPoint"	
*PlatformName	Manufaturer in Third-Party Integrated Resource	Platform Name	Customizable, Default "Nedap"	
*Online Status: Online/Offline		Online	1:Online 0:Offline	
OperationListJso n	OperationListJso n Control functions show in Control Client		Lock/Unlock/Normal/Pro videAccess	



StatusListJson	Element Status show in Emap/Health monitor	Sta	tus List	AccessPoint Status, details in C:\Program Files\Hikvision\Optimus\ Connectors\NedapV1.0\ AeosEvent.csv
DINNESSON OPTIMUS				admin v Help v
Dashboard     Convectors	Rule Name AccessPoint			Rule Name
Tours     Tours	Schedule Manually Synch Start at 12200 Manung Synches	vronize Coly Minutes ~ AM		
	Rule Details	Dertination Ex	non Gaussia	
	System	HikCentral - EU Connector V	Nedap Connector	×
	Entity Type	ThirdPartyElement ~	AccessPoint	~
	Attributes	ID	1d	
		Name	Name	
		AreaName	Area Name	
		PlatformName	Platform Name	
		Online	Online	
		OperationListIson	< Operation List	
		StatusListIson	× Status List	
		- And optimies and indees		
B-			Save Cancel	
3) It's also possible to	add a string rathe	er than sele	ecting default enti	tv.
	i ala a ata gi ata i			admin V Halp V
Dashboard     Ge Edit Rule				
Connectors	Rule Name			
± Rows	AccessPoint		Attribute Select an Existing Attribute	ie Name
Data Synchronization	Schedule	tronize Only	Add a String	
🚊 User Management	Every	Minutes ~	1	
	Start at   12:00	AM		
	Rule Details			
	System	Destination Fin HikCentral - EU Connector V	Nedap Connecto	<b>v</b>
	Entity Type	ThirdPartyElement ~	AccessPoint	OK v
	Attributes	ID	ld .	
		Name	Name	
		AreaName	Area Name	
		TypeName	Type Name	
		PlatformName	Platform Name	
		OperationListIson	Control Ust	
		StatusListIson	× Status List	
	1	+ Add Optional Attributes		
ອ 🛪 5 🛛 🞍 📾 🐁 ¥ 👪			Save	
1) After configuration	a dial manual aun	obropizatio	n to over deta im	modiatoly

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





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

🔶 Hi	ikCentral Professional Web Client					
	Area Group	uk-rnd-center 🗹				∭.
	+ 🗹 🛍	🖪 (0)   賭 (0)   🙈 (0)   🙈 (0)	1 🗜 (0)   🖪 (0)   🏦 (0)   🖪 (0)	🖳 (0)		æ
	HikCentral Professional	Radars Alarm Inputs	Alarm Outputs UVSSs	Third-Party Integr	ated Resource >>>	
	Area Name	All Mayor to other Area I I Indu	da Cub area		Crawk	0
	<ul> <li>HikCentral Professional</li> </ul>	En inclui	de Sub-alea		Search	Q
	10.7.86.144-NVR	Name Name	Туре	Network Status	Added to Map	
圓	uk-rnd-center	uk-rnd-center:2Readers.1	AccessPoint	🕑 Online	No	
		uk-rnd-center:TEST_2Wa	AccessPoint	🛇 Online	No	
		uk-rnd-center:TestOneW	AccessPoint	🛇 Online	No	
		uk-rnd-center:TwoReade	AccessPoint	🕑 Online	No	
G		uk-rnd-center:Verificatio	AccessPoint	🛇 Online	No	
ţÇţ						
X		Total 5 Record(s) 100 👻	]		< > > 1 /1	Go

#### 5.2.2.2 Detector

Similar to 5.2.2.1 Access Point	Configure Detector	synchronization	according the chart l	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	Customizable, Default AEpu name	
*TypeName	Type Name in Logical View	Type Name	"Detector"	
*PlatformName	Manufaturer in Third-Party Integrated Resource	Platform Name	Customizable, Default "Nedap"	
*Online	Online Status: Online/Offline	Online	1:Online 0:Offline	
OperationListJso n	Control functions show in Control Client	Operation List	Inhibit/Uninhibit/Isolate/St opIsolation/RestoreAlarm	
StatusListJson	Element Status show in Emap/Health monitor	Status List	Detector Status, details in C:\Program Files\Hikvision\Optimus\C onnectors\NedapV1.0\Ae osEvent.csv	

#### 5.2.2.3 Area

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

EntityType		Area		
Synchronization Ty	rpe	Every 3 Minutes		
Destination		HikCentral 1.6 Connector -		
Course				
Source	-	Nedap Connecto	r - 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		Customizable, Default AEpu name	



*TypeName	Type Name in Logical View	Type Name	"Detector"
*PlatformName	Manufaturer in Third-Party Integrated Resource	Platform Name	Customizable, Default "Nedap"
*Online	Online Status: Online/Offline	Online	1:Online 0:Offline
OperationListJso n	Control functions show in Control Client	Operation List	Arm/ForceArm/Disarm/Te st/StopTest/StartSelfTest/C ancelSelfTest
StatusListJson	Element Status show in Emap/Health monitor	Status List	Area Status, details in C:\Program Files\Hikvision\Optimus\C onnectors\NedapV1.0\Ae osEvent.csv

#### 5.2.2.4 Person

1) In Data Synchronization, create a new rule

Date Synchronization      Date of Construction      Date of Const	Sort by Rule Name (ASC) ~ Search
Select All + Create New Red () Finable () Finable × Delete	
Connectors	
Found     Product     Pr	
To Logi Last synchronized 2000/96/05 120533 Last synchronized New	
Settings	

8 =

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		Aways		
Destination		HikCentral 1.6 Connector - Person		
Source		Nedap Connector - Person		
Destination Item	Description	Source Item	Description	
*ld	Person ID in Person module	ld	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 Hikvison 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	Customizable, 'Default 'Nedap'
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



🔯 HIRVISION OPTIMUS							
Dashboard	🕞 Edit Rule						
Connectors	Ru	Rule Name					
Flows	p	person - zmz Rule					
	Sci	hedule					
Data Synchronization		Manually Synchr	onize Only				
Liser Management		Every 1	Minutes 🗸				
		Start at 12:00 /	. M				
	•	Always Synchron	lize				
	Ru	ule Details	Destination	From	Source		
		System	HikCentral 1.6 Connector-ZMZ 🗸	=	Nedap Connector	~	
		Entity Type	Person		Person	~	
		Attributes	Id		10		
			GivenName		Given Name		
			FamilyName		Family Name		
			Name		Name		
			PersonType		Person Type		
			Photo	×	Photo		
			IsFaceCredential	×	IsFaceCredential		
			Gender	×	Gender		
			Email	×	Email		
			BeginDate	×	Begin Data		
			EndDate	×	End Data		
			Description	×	Description		
			PhoneNumber	×	PhoneNumber	×	
			PersonListName	×	Company		
			AccessGroupName	×	Company		
			Cards	×	Cards		
		-	⊢ Add Optional Attributes				
				Sar	Cancel		

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

# 5.2.3 Flow Configuration

Under Optimus, a comple flow mainly includes two part, 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.



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



AIKVISION OPTIMUS			admin 🐃 Help 🗠
Dashboard	💮 Create Flow		
Connectors	General Information	Iow Chart O Association	
E Flows	Trigger Events occur in order		
🗐 Data Synchronization	+ Add Trigger		
User Management	Event/Alarm on Sources		
		Add a Trigger ×	
	Response	Choose System to Integrate           WM         Nedge Connector           VM         No company specified	
		Event v	
		Q.	
		Door Offline	
		Door Normal State	
		Door contact sabotage(Shortcut) Authorized Badne	
		Unauthorized Badge	
		technical alarm wirelles online - low battery	
		technical alarm wirelles online - low voltage - accu	
		technical alarm wirelles online - low voltage - lock	
		Deer Lacked	
:=-		Next Back	

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.

MIKVISION OPTIMUS		admin $\vee$ Help $\vee$
🕖 Dashboard	© Create Flow	
HH Connectors	General Information S Flow Chart SAssociation	
E Flows	Trigger Events occur in order	
Data Synchronization	Nedap Connector	
Liser Management	dev) = Other	
	Add a Response ×	
	Response       Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Choose System to Integrate         Image: Choose System to Integrate       Image: Ch	
	Next Back	

5) Select entity for Trigger.



MIKVISION OPTIMUS							admin 🗸	Help 🗸
🝘 Dashboard	🕞 Create Flow							
Connectors	Ceneral Information	Slow Chart	Association					
E Flows	Trigger >	Response HikCentral 1						
Data Synchronization	Authoriz + Select an Entity	Dynamic + Select Entities	Đ					
Luser Management	Search C	2						
	uk-md-center:TEST_2WayPassage uk-md-center:TestOneWayDoor	e						
	uk ma kultuk Veletetetetetetetetetetetetetetetetetete	,						
:=-				Save	Back			

6) Select entity for Response. Add camera if **DynamicallyTriggerAlarmWithRelatedCamera** is selected at 4<sup>th</sup> 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	

**HIKVISIO**N

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	Resourceld	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)

Select Entities			×
			+ Add
Entities	IPCamera 01 NVR		
* guid	Guid		
* name	Name		
* eventName	EventName		
* resourceName	ResourceNa×		
* resourceId	ResourceId		
* platformName	PlatformNa ×		
* priorityľd	PiorityIdHigh		
* EnablePopupWindow	1		
* EnableRecord	1		
* preRecordTime	3		
* postRecordTime	15		
* lockVideoTime	Ő		
	Save Canc	el	

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



離 M 初時日 - wangy ofessional Web Client ettings	ng	WeTransfer personal sport Domain Users 11 Synche i Type Super User Normal User	III S Motoring	Web Client S Hilorision Opt Logout A Inactivate A Activ   Connection Number 3 → 1 →	inus Ste Map ate C Refresh All Cosine Online Online	Hiadmin ❤ ♥ 	Dements     D	Console Sources	Network Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa Performa	nce » Preserve log 🗆 80 ms
ofessional Web Client ettings	+Add	sport Domain Users Tij Synch   <b>Type</b> Super User Normal User	onize Domain Users   []; Force I   Role Administrator Operator	Logout Ag Inactivate Ag Activ   Connection Number  }>  }>	Ste Map ate 🖉 Refresh All   Login Status © Online © Online	H <sub>i</sub> admin ∨ ▼ [	K ← Elements C     Elements C     S ← ♥ ♥ Q     Her     XHR JS CSS Img N     20 ms	Vienc III Vienc	Network Performa http://www.eilelian Manifest Other 60 ms	nce >> Preserve log == 80 ms
ettings	+ Add  Delete I Steller I Name admin test	sport Domain Users 11 Synch   Type Super User Normal User	onize Domain Users   []s Force I   Role Administrator Operator	Logout A Inactivate A Activ Connection Number	ate C Refresh All   Login Status C Online C Online	V (	ilter XHR JS CSS Img N 20 ms	Hide data URLs Hedia Font Doc WS 1 40 ms	Manifest Other 60 ms	80 ms
ettings	admin test	Type Super User Normal User	Role Administrator Operator	Connection Number	Login Status		XHR JS CSS Img N 20 ms	tedia Font Doc WS 1 40 ms	Manifest Other 60 ms	80 ms
ettings	admin test	Super User	Administrator Operator	₽ ₽	© Online © Online		20 ms	40 ms	ou ms	eu ms
	test	Normal User	Operator	Þ	😋 Online					
								Recording	g network activity	
							P	erform a request or h	hit Ctrl + R to reco	d the reload.
								1	analin musie	
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er ID m	arked as l	selow. To	add mult	tiple users,	sperate t	n 💿	y comn	nans.		
er ID ma	arked as l	elow. To	add mult	tiple users,	sperate t	hem k	y comn	nans.		
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### 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.

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3) Add Trigger and Response.



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#### 4) Complete the flow according to the chart below.

	Update AccessPoint E	vent(Status)
Trigger	Update Detector Even	t(Status)
	Update Area Event(Sta	atus)
Action Name	UpdateThirdPartyElem	nentStatus
Item Name	Suggest Param	Description
ld	ld	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	"5000"	Expiration time between Connector and
Milliseconds	5000	Optimus(internal use)
TimeOut	"5000"	TimeOut time between Connector and
Milliseconds	5000	Optimus(internal use)
TimeToRetry Milliseconds	"5000"	TimeToRetry time between Connector and Optimus(internal use)



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	* TypeName	TypeName	
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#### 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



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Flows	Flow Name	
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Liser Management	Add a description	
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	Next Cancel	

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

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Luser Management		
	Response	
	Nedap Connector Common > Tother	
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4) Finish the col	lingulation according to the chart below.
Trigger	ThirdPartyElementOperation



Action Name	Common Action	
Item Name	Suggest Param	Description
messageld	messageld	unique ID of a command
elementld	elementld	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)
Set Parameters	2 NOW	×
* messageId	messageId	
*elementid	elementid	
*operationId	operationN×	
*Expiration Milliseco	onds 5000	
*TimeOut Millisecor	5000	
*TimeToRetry Millis	scon 5000	

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





6) Define name.

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Data Synchronization	Flow Description	
User Management	Add a description	
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7) Select Nedap Connector – Device-OnThirdPartyElementResult as Trigger and HikCentral EU Connector – ThirdPartyElement-PushOperationResult as Response.



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#### 8) Complete the configuration.

Trigger	OnThirdPartyElementResult					
Action Name	PushOperationResult					
Item Name	Suggest Param	Description				
messageld	MessagelD	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)				



		×
* messageld	MessageID	
• GUID	GUID	
• result	OperationR	
* Expiration Milliseconds	5000	
• TimeOut Milliseconds	5000	
• TimeToRetry Millisecon	5000	
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#### 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.



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







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



4) Define flow name.

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



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

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7) Input the parameters as shown below for Response



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8) After configration, 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.

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

₽ A	Alarm C	Center Unacknowledged: 512	Display Related Video	& Map V Operation V Trigger Event	⊕ Arming Control []
שע רכ	All		on Smart Wall  Batch Acknowledge	Enable Pop-up Window	🚊 History Alarm
2	□   ▼  A	larm Name	Alar ▼   Alarm Time (Control Cli   Alarm So	ource Area Trigge	ing Eve Alarm Status
B	D P U	Jnauthorized Badge - NedapXS 1010	High 2020/08/07 13:47:01 uk-rnd-ce	enter:TEST 2WayPassage uk-r Unauth	orized B Started, Unack

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.



rm Information	-11					۵
Unauthorized Badge - NedapXS	1006	Video	Picture	Map		
Alarm Time (Clie 2020/08/07 13:45:45						
Alarm Time(Devi 2020/08/07 13:45:45			VY			
Alarm Source: uk-rnd-center:TEST_2WayP	assage	0	8-07-2020	Fri 13:45:24	4 Enter:2	ha
Manufacturer: Nedap					Leuvent	1
Triggering Event: Unauthorized Badge				. 1	-	
002 Employee 0	2	12	2	1	1 An	
Tel:		110		1-1		
Person Grons > dev	relopment		A X	4 1.		and a state of the
× Additional Information		- 8			IPCamer	. 01
Description:		13-	17 (11 (11 (11)) 42	13.45 2020/08/07 13:45:4	13:48 2	13:51
				1X >>	-	며 Go to Monitorin
Alarm Status: Started, Unacknowledged		Calle Alarma T		/inv	Count Wall	Chara
A 1 NutiL I I IL	-	Go to Alarm I	Live	Display on	Smart wall	Stop

# 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.

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<b></b>	<b>↑</b> <u>∎</u>	Alarm Center-Survei	llance 🔀 Ala	arm Search-Investigatic	on	10 🛃 🔐 🔀 admin∼ 14:15:00 UTC+00:00 🛆 — 🗆 🗙
—					🕀 Export 🛛	Unauthorized Badge - NedapXS 1006 $ imes$
Þ	Mark	Name	Priority	Alarm Time (	Source	Video Picture Map
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0	P	Unauthorized	High	2020/08/07 14:	uk-rnd-center:	
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à	P	Unauthorized	High	2020/08/07 13:	uk-rnd-center:	Go to Alarm Time Live View Stop
Ē	P	Unauthorized	High	2020/08/07 13:	uk-rnd-center:	Alarm Time (Client): 2020/08/07 14:08:40
EQ	P	Unauthorized	High	2020/08/07 13:	uk-rnd-center:	Alarm Time (Device): 2020/08/07 14:08:40
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	Self-adap	tive 👻			$\langle \rangle$	Acknowledge < >

# 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.

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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.

Ontrol Control	lient 🏫 🤣 Real-Time Overview	v-Maintenance 📃 Alarm Center-Su	rveillance			N 🛃 🚊 🖼 admin 🖓 N	5:20:20 UTC+00:00 🖰 🗕 🗗 🗙
HEALTH MONITORING						3min Auto-Refresh 🛛 🕅 R	efresh 🕞 Export 🖽 🗠
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History Overview	Total 4			Elevator	0	Door Total 0	0
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Access Control Device	Normal						
🚊 Security Control Device					_		
Dock Station	<u>mo</u>		<u>í</u>	••••	<b>↓</b>	<u></u>	A
Elevator Control Device							
Decoding Device	1	0	0	0	0	0	0
🖈 Fold	Abnormal	Abnormal	Abnormal	Abnormal	Abnormal	Offline	Abnormal

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



<b></b>	HikCentral Professional Control C	Client 🍵 🙆 Third-Party Integ	rated Resource-Mainte					î 🖞 📩 📴 🖸 admin 🗸	15:18:36 UTC+0	0:00 A -	. ø ×
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(AESC		> uk-md-center	uk-rnd-center:TestOneWayDoor	AccessPoint	Nedap	uk-rnd-center	Online	Status:Door Normal State	-	36	
۲			uk-rnd-center:TwoReaderDoor	AccessPoint	Nedap	uk-rnd-center	Online	Status:Door Locked	1	3 Q3 C (0)	
÷.			uk-rnd-center:Verification.1	AccessPoint	Nedap	uk-md-center	Online	Status:Door Normal State		2 66	
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# 6.4 Resources Control Manually

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



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





 Log into HikCentral Professional Control Client and go to "Health Monitoring", where you can select resources to control

🔶 HikContra	I Professional Control C	Client 🏫 🙆 Third-Party Inte	grated Resource-Main	ti 🗰 Monitori	ng-Surveillance				1 <b>.</b> " .	🛃 🚰 🖼 admin ~ 15:32:51 UTC+00:00 🖨 🗕 🗗 🗙
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( <u>/</u> ) Real-Tim		Search C	Name		Resource Type	Manufacturer	Area	Network Status	Resource Status	Operation
History C		HikCentral Professional     General     Genera	uk-rnd-center:Star	ndardDoor.1	AccessPoint	Nedap	uk-rnd-center	Online	Status:Door Normal State	<i>C</i> &
		> 🔢 9664	uk-rnd-center:TES	T_2WayPassage	AccessPoint	Nedap	uk-rnd-center	Online	Status:No Access	7 Q.
RESOURCE STAT		> III NVR > III uk-rod-center	uk-rnd-center:Tes	tOneWayDoor	AccessPoint	Nedap	uk-rnd-center	Online	Status:Door Normal State	C @
O Camera			uk-rnd-center:Two	ReaderDoor	AccessPoint	Nedap	uk-md-center	Online	Status:Door Locked	C @
ti Elevator			uk-rnd-center:Ver	fication.1	AccessPoint	Nedap	uk-rnd-center	Online	Status:Door Normal State	Lock
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📌 Fold			Total 5 Record(s)	Self-adaptive *						K < > > 1 /1 Go

# 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.)



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# 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 systm 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).



aeos Manago	ment	Administra	tion Author	isation	Person Vehic	le Entr	ance Configu	ration M	onitor						administrator	Administrator	\$ ® O @
Menu	Maintai	e uror	_	_	_			_	_								
System users	Maintai	n user															
Maintain user																	
Maintain LDAP configuration																	
Assign user to carrier	User	Defaults	Free field d	eraults	Identifier types	Entranc	es Event typ	is AEpus	Workstations	Schedules	APB zones	APB managers	Alarm handler	Cameras			
Maintain User Template Configura			User name*	test			Visit ter	nplate filter									
Maintain user role			Full name				Employee ter	nplate filter		*							
Change password			E-mail	<u> </u>			Contractor ter	nplate filter		-							
Maintain tasks		Cor	firm password				Carte	nprate niter									
Change user favourites	Cha	nge password	d at next logon				Employee key ter	nplate filter									
Maintain and view my queries	Inher	it Workstatio	n user settings				Contractor key ter	nplate filter		*							
Activate disabled account							Modifica	ion priority	DEFAILT								
Assign new password			User template	Administra	ator -		Entra	tce prio list	DEFROET								
Identifier			Language	Browser (	English (GB +		Bar	ode printer		*							
		Default i	input language					Card printer									
Personal		Disable lang	uage selection				Rei	eipt printer		*							
My Tasks		Ac	count disabled				Alternative carr	era workst.									
My Queries		Exceed	License Limits				Alternative signal	ure workst.									
My Favourites				_													
		No. of permi	itted sessions"	5			Intrusi	narea filter	[	*							
	No. etc.	Session	timeout (min.)				Intrusion (2	) area filter		-							
	NO. 0	r permitted it	ogin attempts-	0 (0	= uniimited)			Report filter		-							
		Disa	ble visit profile				Security so	enario filter		*							
		Disable er	nployee profile					rinter filter									
		Disable co	ntractor profile				Alarm point con	mand filter		*							
		Dis	able car profile														
	Dis	able menu vi	sitor announce														
	Disable	menu empli	oyee announce														
	Disable	menu contra	ictor announce														
		Disable menu	car announce														
															Car	icel	ОК
	AFOS 2	019.1.5							This product i	s licensed to D	EMO HIKVISIC	IN UK				*	

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.

aeos Manage	ement Administration Authorisation Person Yehicle Entrance Configuration Monitor	administrator Administrator 🔅 🕤 🛈 🕥
Menu	Announce	
Visitor Employee	Employee	
Announce Search Delete Edit Issue identifier Issue replacement Withdraw identifier Withdraw and block identifier Block identifier Unblock identifier Centractor	Lations**  First name  First name  Can be user  Can be user  Can be user  First name  Can be user  First  First name  Can be user  First  First First  First First  First First  First First  F	
Shared functions Identifier	Can be guard	
АРВ	Contact person Telephone no.	
Verification	1	+
Perconal	Authorization	-
My Tasks	Template Access during holidays	
My Queries	Identification	-
My Favourites	Identifier type 123124 * Identifier >> Identifier Iabel *	
	Verification	-
	Type [PBI-code] * Data** 7/8/2020 1 * 1 * * * * * * * * * * * * * * *	
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	Expand all Biolianse all Bisave evenand status	
	Pitt	ОК

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.

aeos Manage	ment Admin	istration	Authorisation	Person	Vehicle	Entrance	Configuration	ion Monitor administrator Administrator 😒 😨 🛈 🖉	•
Menu	System proper	rties							
Filters	Maintain syste	em propertie	15						
Maintenance	Visible rows: 2	243							
Devices	Number .	Name					Value		
Events & alarms	40.02	Check the y	alidity of the cont	tact person i	for visitors				-
Departments	40.03	Check the y	alidity of the cont	tact person	for contracto	<b>m</b> .			
Work locations	40.07	Visitor max	number of contai	rts*			1		
URLS	40.22	Check the y	alidity of the nerr	son to visit f	or visitors				
Eron fields	42.05	Maximum n	umber of attachm	nents*			1		
Messages	42.11	Maximum fi	le size in MB of at	ttachment			1		
(De)activate maintenance mode	44.01	Alarm hand	lor				2		
Block reasons	44.02	Graphical a	larm handler						
Entrance unlock reasons	44.03	Anti nass h	ark						
Identifiers	44.04	Contractor	management						
Favourites	44.05	Counterout	in zones (excent	neutral)					
Notification	44.06	Counting m	ovements (Strip t	ticket)					
Settings	44.08	Guard tour							
System properties	44.09	Integration	to Milestone						
Auto block	44.10	Maximum n	resence time						
Archive	44.11	Multiple tim	ezones						
Permits	44.12	Special or in	nvisible badges						
Badges	44.13	Rule engine	in the stanges						
Rule Engine	44.14	CMS RP inte	egration						
Vendors	44.15	Soap WebS	ervice						
Import carrier	44.16	Security les	wis.				2		
Reports	44.17	Translation	mode						
Faces	44.18	Units							
Besconal	44.19	Extended w	endor manageme	nt					
My Tarke	44.20	Vendor mar	agement & permi	its					
My Queries	44.21	Verification	PIN-code						
My Favourites	44.22	Visit manag	ement						
	44.23	Violation &	blacklist manager	ment					
	44.30	Enrollment	Bioscript fingerpri	int					
	44.31	Document r	canner						11
	44.32	Enrollment	Hitachi fingervein						
	44.33	Enrollment	Kosmos weight						11
	44.34	Enrollment	Sagem fingerprint	t					
	44.36	Enable blon	netric API						1
	Print To	file						Cancel	٦
	AEOS 2019.1.	.5						This product is licensed to DEMO HIKVISION UK	-

### 8.2 Requirments of Optimus Configuration

- Now Optimus License only supports online activation, so please confirm server can successfully visit <u>https://tpp.hikvision.com</u> before activating.
- 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

 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.
 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