

Introduction

Canopy314 is a platform dedicated to management of urban and building CCTV systems and, more broadly, to the IP security business. It is designed to meet the needs of visibility, management and control of systems.

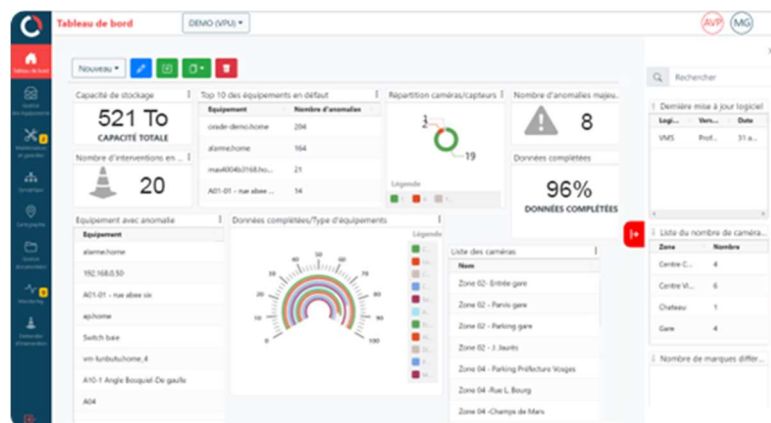
It integrates all the key functionalities that enable efficient management of equipment, technical and administrative documents, information, key indicators and alerts of a system. It provides an enriched knowledge of your assets and offers a 360° vision of your system.

The platform enables real-time monitoring of all components through our ORADE unique application.

Canopy314 is a collaborative solution for exchanges between all the stakeholders of the system, allowing everyone to access information in real time. The platform allows you to share and collaborate with all users, both internal and external to your organization, in order to optimize your management and gain decision-making and operational efficiency.

Canopy314 can be configured to fit any system, regardless of its complexity or architecture.

The solution is hosted in the cloud as a SaaS model and is therefore accessible from any web browser. It can also be local hosted directly by clients.



Here are a few specs of Canopy314:

- Equipment management -> Centralize all the technical, administrative, network and operating data of equipment composing a safety system. That includes cameras, but also network items and servers...
- Ticketing -> Our ticketing tool allows our clients to discuss fluidly with their maintenance staff and follow their technical operations.
- Document storage -> a cloud storage area permits our clients to centralize all the technical and administrative documentation.

Monitoring

Canopy314 integrates its own devices monitoring solution. It provides real-time visualization of system problems and informs of the severity and nature of each problem.

Each IP device of a system can be monitored by several ways, including

- basic ping to test reachability ;
- SNMP protocol in order to collect information by reading MIBs;
- Other safety-oriented tools. Milestone XProtect connector enters this category.

Milestone connector

The purpose of Milestone XProtect connector is to permit our clients who are using XProtect VMS to access to a richer experience by receiving data and events wherever there are on their Canopy314 monitoring solution.

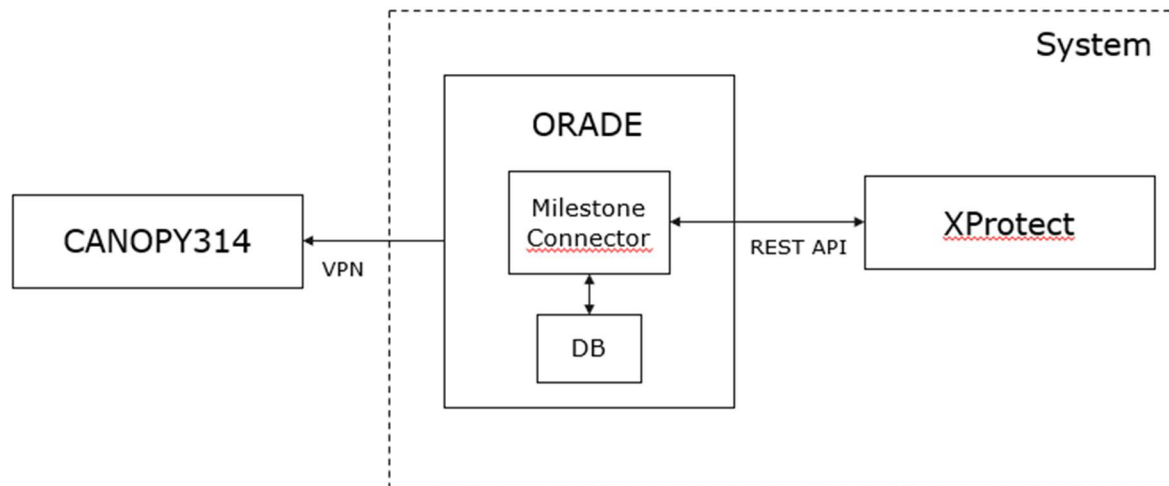
Here are the Milestone connector features available in 1.0 version :

- Data compare : Writing directly in Canopy314 database some data about cameras and servers coming from XProtect.
- Event management : Being warned about XProtect events.
- Cameras stream : Saving one-time reference picture.

Technical Architecture

ORADE tool runs Canopy314 services, and continuously dialogues with our remote servers, in order to push information to Canopy314. ORADE is hosted on a server, deployed within the safety system.

Milestone Connector is one of the services running through ORADE.



Admin setup

Assuming that you already have a fully working Canopy314 system, here are the few steps to create a Milestone connector :

1. Create a XProtect account

On your Milestone XProtect Management Client, expand Security and then Basic Users.

Then create a basic user dedicated to Canopy314 Milestone connector.

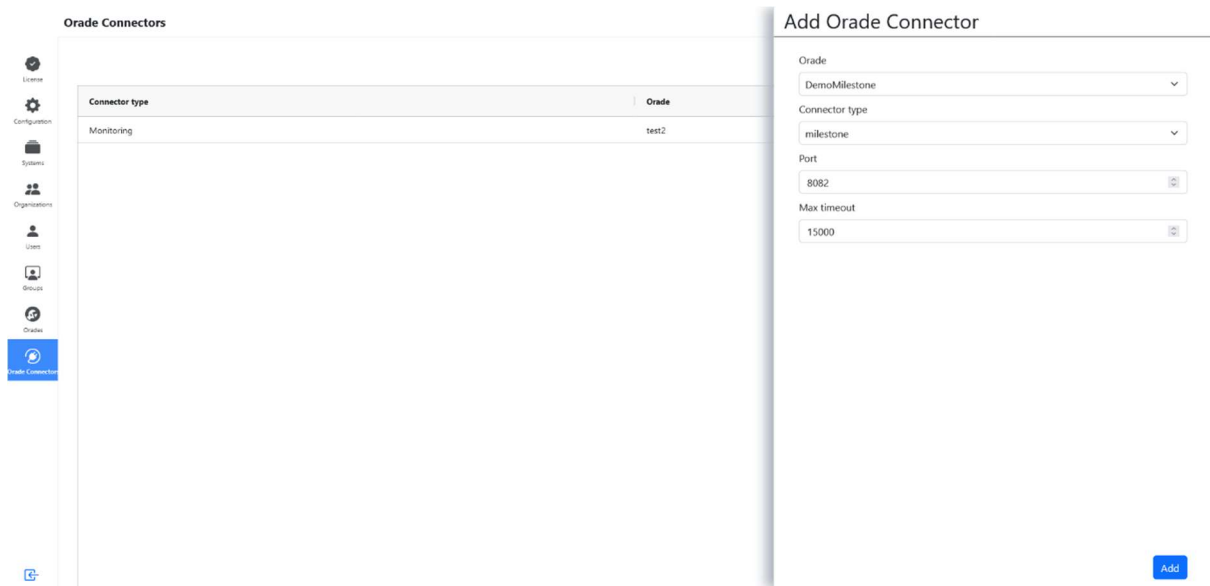
This user must be admin.

2. Create a Milestone connector

If you are a Canopy314 SaaS client, please contact CIPEO Support to achieve this step.

If you are a Canopy314 On Premise client:

- Go to your Canopy314 Configurator tool;
- Click on Orade Connectors tab;
- Add a new Orade Connector and select your Orade;
- Select Milestone Connector type;



3. Settings

On the Milestone connector config file, you need to sign in with the new XProtect encrypted account credentials.

```
{
  "milestone": {
    "host": "10.9.0.11",
    "protocol": "https",
    "apiTokenUrl": "/idp/connect/token",
    "apiUrl": "/api/rest/v1",
    "integrationGuid": "2a4b8b22-6fb9-b0ec-916e-fe865472460a",
    "management": {
      "IPAddress": "10.9.0.11",
      "protocol": "https",
      "port": "443",
      "rejectUnauthorized": false,
      "timeout": 5000,
      "authMethod": "Basic",
      "username": "2b97feb8866ea6f9ecabbffd9bfde422",
      "password": "eb0b52a941c7c2d4e8d146e923545255"
    },
    "dbAlarms": {
      "host": "127.0.0.1",
      "user": "5f921c804554020862597703dec72347",
      "password": "c08ef302485b488e938829818ae42565",
      "database": "orade",
      "waitForConnections": true,
      "multipleStatements": true,
      "connectionLimit": 10,
      "queueLimit": 0
    },
    "alarmPollingInterval": 30,
    "alarmTriggers": {
      "percentOfUsedStorage": 90
    }
  },
  "log": {
    "level": "debug",
    "dateLocaleString": "fr-FR",
    "timeZone": "Europe/Paris"
  },
  "port": 8084
}
```

4. Configure your devices

On the Canopy314 app, open a device that you would like to connect to XProtect. For each device:

- Open “Monitoring” and “Configuration” tabs;
- Select your Orade;
- Select Milestone connector;
- Create a “ID Connecteur” by clicking on magnifying glass icon;
- Select on the list both “(Caméra)” and “(Equipment)” items corresponding to this device;
- Add connector by clicking “Ajouter”;
- Your device is well connected to XProtect.

Modifier caméra

Système

Nom équipement

Type d'équipement

Caméra

Propriétés (59)

Equipements liés (0)

Commentaire (0)

Monitoring

Historique (34)

Interventions

Documents (0)

Historique

Configuration

Historique de configuration (5)

Orade

Connecteur

ID Connecteur

Milestone

Ajouter

Orade

Connecteur

ID Connecteur

Monitoring

10498

Mettre à jour l'hôte distant

Milestone

07895ecd-35f7-443d-884f-5a3390fe1b0f

Mettre à jour l'hôte distant

Milestone

b3353f1f-9559-4f48-843f-ba42a743b715

Mettre à jour l'hôte distant

Fermer

User manual

1. Data compare

In order to write new data about your devices coming from XProtect, click on “Gestion des équipements” tab and then on “Comparateur de données”.

This tool is looking into devices management on XProtect and compare with Canopy314 database. Every information that is new or unknown by Canopy314 is listed here.

If you would like to write an information in Canopy314 database, click on the 3 dots button and then “Appliquer la Valeur distante”.

Source	Type	Équipement	Difference	Valeur locale	Valeur distante	
Milestone	Serveur de management	Management	Adresse IP	10.30.32.100		:
Milestone	Serveur de management	Management	Nom d'équipement	Management	DESKTOP-PCDP8UH	:
Milestone	Serveur d'enregistrement	N/C	Non associée	N/C	DESKTOP-PCDP8UH	:
Milestone	Caméra (équipement)	N/C	Non associée	N/C	Hanwha Techwin XNO-6120R (192.168.123.6)	:

2. Event management

Each event generated by XProtect appears in Monitoring tab of Canopy314. A few information about events are available, such as related equipment, severity or duration.

Events appear also in various ways, including on network charts, maps and dashboards.

3. Cameras streams

In order to save a one-time reference picture of a device, Canopy314 can connect to cameras streams:

- Open the device you would like to work on;
- Open “Visuel” tab;
- Click on the Save icon of the “Image de reference jour” line;
- Pick a camera and a time;
- Then save by clicking “Rechercher l’image” and “Ajouter l’image”;
- Your reference picture is now saved.

Importation d'image depuis orade

Choix du capteur

mairie 1/A 20.70

Choix de l'heure de l'image :

12

:

00

:

00

Rechercher l'image

Ajouter l'image

Fermer

Appendix : data and events

Type	Libellé
Serveur de management	Non associé
Serveur de management	Double association
Serveur de management	Adresse IP
Serveur de management	Nom
Serveur d'enregistrements	Non associé
Serveur d'enregistrements	Double association
Serveur d'enregistrements	Adresse IP
Serveur d'enregistrements	Nom différent
Caméra	Non associée
Caméra	Double association
Caméra	Adresse IP
Caméra	Adresse Mac
Caméra	Version firmware
Caméra	Numéro de série
Caméra	Marque modèle
Caméra	Nom d'équipement
Caméra	Serveur d'enregistrements
Caméra	Nombre de flux
Caméra	Configuration de flux(Résolution/Ips/Codec/Mode de flux)
Caméra	Durée de rétention
Caméra	Récupération d'une image à une heure donnée

Type	Libellé	Sévérité	Conditions
Caméra	En erreur sur le VMS	Haute	La caméra est en erreur sur Milestone
Recording	Impossible de communiquer avec le serveur d'enregistrement	Non assigné	Connexion refusé sur le port du serveur d'enregistrement
Recording	Non connecté au VMS	Désastre	Le serveur d'enregistrement n'est pas connecté à Milestone
Recording	Espace de stockage indisponible	Désastre	Le repertoire devant recevoir les images n'est pas joignable
Recording	Espace de stockage saturé	Moyen	Selon la valeur dans le fichier de configuration (90%)
Recording	Espace d'archivage indisponible	Désastre	Le repertoire devant recevoir les images n'est pas joignable
Recording	Espace d'archivage saturé	Moyen	Selon la valeur dans le fichier de configuration (90%)