OODA - Milestone connector (Installation guide)

Introduction :

The connector allows us to retrieve from Milestone VMS all video streams (live and replay) as well as alarms and events generated by Milestone VMS or from a third-party system already integrated in Milestone VMS

Requirement:

- OS: Windows server or Windows Pro
- Network: Both Constellation server and Connector server must communicate with the Milestone VMS server
- Milestone VMS: compatible with any Milestone VMS product or version

Installation steps:

1- First, download and install the NodeManager



- 2- Set up the NodeManager by filling in the following information:
 - Constellation URL (IP+Port of Constellation server)
 - Username/password of the Constellation server
 - Node URL (IP+Port of the connector server)

Const	ellation URL
192.168.10.132:8080	
Username	Password
root	••••
Connec	Test tivity is available !
Connet	Test tivity is available ! lode URL
Connec N http://192.168.10.105	Test tivity is available ! lode URL 1337
Connec N http://192.168.10.105 Saving requires no	Test tivity is available ! lode URL 1337 de manager to restart

3- Go to the Swagger web panel (constellation URL) then **Post** a new **Template** by uploading the **Milestone.ccp** file

Swagger Lit 1			~ - a x
← → C A tion securité	192.168.10.132.0000/www.gyer/indec.html/Template/Template_Dipload		@ \$ 0 \$!
	HOME as transformer to store a some an extension receives not as measure considered to refine control to a second store.		
	Template API Management for Templates - Templates hold the connectors executables files and the configuration definitions to create a new connector and integrate a	an external sub-system. 🗸 🗸	
	GET /connectors/spii/Template Hotives all templates that you are authorized to view, can be narrowed down using filters, pagination, and search fields.	•	
	DELETE /connectors/spi/Template Alloryou to dolote all templates that you are authorized to dolote, can be narrowed down using filters, see with cadrous.	•	
	GET /connectors/apii/Template/{id} Rotines the template that match the id you have specified	4	
	DELETE /connectors/api/Template/{id} Allow you to delete a template.	۵	
	GET /connectors/spii/Template/{id}/dewnload Rotives and download the constribution connector package (cop) the associated to a template.	•	
	POST /connectors/spi/Template/upload Uprod contribution connector package (ccp) The to the specified template	•	
	Parameters	Try it out	
	Name Description		
	authorization string (www.)		
Þ	Be Title to be added to the effactment, must be cop life (reventes) Copper uniformer' Aucum Roher choose		1
	Responses Buijeona	content type application/json +	_
	Profe Description	00 0	_

4- In Swagger, Post a new connector to integrate Milestone VMS

Connecto	P API Management for Connectors - Connectors are external software package allowing to integrate sub-s	ystems into Constellation.	~
OET /ca	nnectors/sp1/Connector. Rollieve all connectors that you are authorized to view, can be namewed down u	sing filters, pagination, and search fields.	۵
POST /ce	nnectors/spi/Connector Allow you to deploy a new connector to integrate an external sub-system.		ê
Parameters			Cancel
Name	Description		
authorization string (header)	authorization	₽.	
entity * required (zeroy)	Connector entity to be added to the database car waw Moder		
	<pre>(</pre>		
	Cancel		

Here is an example of the Json file containing the configuration of the connector:

```
{
  "groups": [
   "/"
  ],
  "name": "MilestoneOffice",
  "templateId": "53d02711-de45-4ebc-84c7-0e0d8ccdcf31",
  "capabilities": null,
  "nodeId": "352609ad-c188-44cd-8288-65fd0d33364c",
  "platform": "windows",
  "parameters": {
   "milestone": {
    "ipAddress": "192.168.20.1",
                                    Milestone Ip address
    "username": "OODA",
                                    Milestone basic user account
    "password": "*****",
    "authType": "Basic",
                                    Authentication type
```

```
"includeFederated": false,
  "pushAlarms": false,
                                   Allow milestone to push alarms
  "rmfConfig": {
                                   RMF configuration
   "enabled": false,
   "port": -1,
   "username": "",
   "password": ""
  },
  "jpegStreamConfig": {
                                   JPEG streaming configuration
   "isEnabled": true,
   "cameraNameMustContain": "LRC",
   "childItemNameMustEqualTo": "Rec"
  }
 },
 "connector": { MilestoneConnector configuration
  "httpPort": 11202,
  "rtspPort": 11203,
  "publicIp": "office.obvious.tech",
  "name": "MilestoneOfficeCloud"
 }
}
```

Make sure the connector is in the following folder:

}

C:/Program Files (x86)/NodeManager/service/connectors/instances

5- Now go to the connector folder make sure the config.json file matches with your configuration



6- The last step is to launch the Milestone.exe located in the connector folder

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mfcm12 Starting transport	t. Transfer mo	de: Text. Url: 'n	vs://192.168.10.	32:8080/videomanag	er/realtime/vmsc	connector'.	
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All alarms and cameras are uploaded from the Milestone server:

C:\Users\Administrator\Desktop\NodeManager\service\connectors\instances\Monaco\Milestone.exe	-	o x
3, XPCORS		
84/27/2022 15:52:57 : NEW ITEM: 5135ba21-f1dc-4321-806a-6ce2017343c0, DirectShow Virtual Video Server (0.0.	0.1)	- Caméra
6, XPCORS		
84/27/2022 15:52:57 : NEW ITEM: 5135ba21-f1dc-4321-806a-6ce2017343c0, DirectShow Virtual Video Server (0.0.	0.1)	- Caméra
1, XPCORS		
84/27/2022 15:52:57 : NEW ITEM: 5135ba21-f1dc-4321-806a-6ce2017343c0, DirectShow Virtual Video Server (0.0.	0.1)	- Caméra
2, XPCORS		
84/27/2022 15:52:57 : NEW ITEM: 5135ba21-fldc-4321-806a-6ce2017343c0, Vivotek (192.168.10.119) - Caméra 1,	XPCOR!	5
84/27/2022 15:52:57 : NEW ITEM: 5fc737a9-bbf6-4473-a421-7e8075d45d9c, All inputs (SRV-RECORDING), XPCORS		
84/27/2022 15:52:57 : NEW ITEM: cbaaa726-a089-4db6-8f0d-48772e595b1b, All outputs (SRV-RECORDING), XPCORS		
84/27/2022 15:52:57 : NEW ITEM: df6284f6-18ee-4506-b8c4-65b5f31a140c, All microphones (SRV-RECORDING), XPC0	RS	
84/27/2022 15:52:57 : NEW ITEM: 3c829278-37ae-4ee8-8c1d-d94412ceeb74, All metadata devices (SRV-RECORDING),	XPCO	RS
84/27/2022 15:52:57 : NEW ITEM: b77d68fc-b231-441b-8eb5-901c89234111, All speakers (SRV-RECORDING), XPCORS		
84/27/2022 15:52:57 : NEW ITEM: c9ddc944-fb27-4e34-88f8-76023fcc9ce9, All hardware (SRV-RECORDING), XPCORS		
04/27/2022 15:52:57 : NEW ITEM: c9ddc944-fb27-4e34-88f8-76023fcc9ce9, Vivotek (192.168.10.119), XPCORS		
04/27/2022 15:52:57 : NEW ITEM: c9ddc944-fb27-4e34-88f8-76023fcc9ce9, DirectShow Virtual Video Server (0.0.	0.1),	XPCORS
84/27/2022 15:52:57 : NEW ITEM: 47ee4e8b-e5a4-4c0b-9c99-b8031b3d118f, GIS map locations, XPCO		
84/27/2022 15:52:57 : Got 7 items from Milestone		
84/27/2022 15:52:57 : Already had 7 cameras from Constellation		
84/27/2022 15:52:57 : Found server: BCDVIDE02		
84/27/2022 15:52:57 : Found server: All layout groups		
84/27/2022 15:52:57 : Found server: All video walls		
84/27/2022 15:52:57 : Found server: GIS map locations		
04/27/2022 15:52:57 : Server BCDVIDEO2 has serverId: 842f9bda-0925-430e-b5bd-3ecd340e25bd		
84/27/2022 15:52:57 : Server All layout groups has serverId: 842f9bda-0925-430e-b5bd-3ecd340e25bd		
04/27/2022 15:52:57 : Server All video walls has serverId: 842f9bda-0925-430e-b5bd-3ecd340e25bd		
04/27/2022 15:52:57 : Server GIS map locations has serverId: 842f9bda-0925-430e-b5bd-3ecd340e25bd		
84/27/2022 15:52:57 : Success!		
84/27/2022 15:52:57 : Initializing Connector Server http://localhost:1158 Success !		

As you can see, we can now see the live cameras from OODA:

