



CASTELSUITE/MILESTONE INTERCOM USER MANUAL

Subject : This document describes the procedure for implementing an interfacing solution between CastelSuite and MileStone's XProtect solution concerning intercommunication feature

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1. INTRODUCTION

This document aims to describe the procedure for implementing an interface between CastelSuite and Milestone concerning the intercom.

The main idea here is to be able to communicate in SIP with the IP doorphones of the CASTEL range from the Milestone SmartClient.

To do this, SmartClient will be associated with the SIP phone software of CASTEL named XellipMedia.

Note: For the features of Milestone XProtect software, refer to the XProtect software manual.

2. SOFTWARE RECOMMENDATIONS

The software components involved in the integration are :

- **CASTELSuite server :**
 - CASTELSuiteServer : CASTELSuite must be installed on a machine in order to manage CASTEL door entry stations. The minimum CASTELSuite release required is 5.11.
 - Java is required for CASTELSuite application (JRE or JDK). The minimum Java release is 1.8
 - SQL Server is required. The minimum SQL Server 2014 is required.
- **XELLIPMedia :**
 - This integration solution requires the CASTEL Soft phone named « XELLIPMedia ». Indeed, Milestone XProtect will remotely control this software to manage SIP communications.
 - XellipMedia Minimum Release 2.5.x is required
- **Milestone server :**
 - XProtect Server : XProtect solution must be installed on a machine. Release 2019 R3 is required.
 - MIPCastelInterphoniePlugin : The plugin developed by CASTEL must be installed. The minimum release required is 5.11.0.
 - .Net Framework 4.6 is required.

3. MILESTONE/CASTELSUITE ORIENTED « INTERCOM »

The services offered are:

- View on a SmartClient map a graphic element representing a Castel IP door entry station
- Carry out commands from XProtect to the Castel IP door entry station

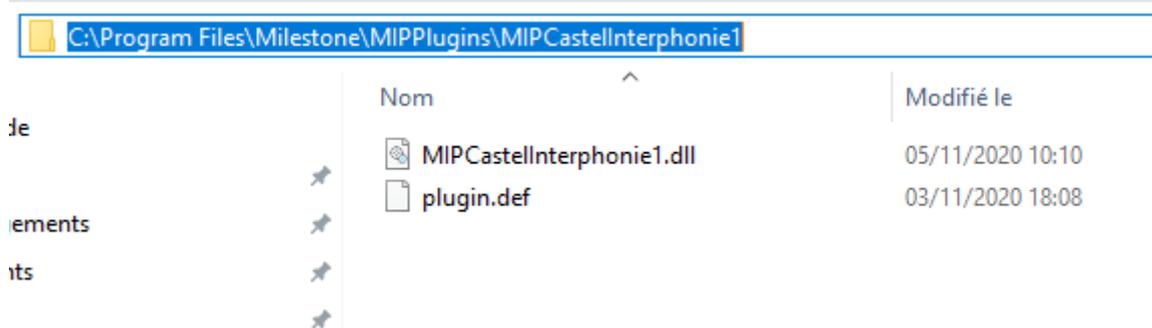
- Communicate in SIP with the door entry station of the CASTEL range using the audio resources of computer equipped with SmartClient
- View on a SmartClient map a graphic element representing the CASTELSuite server.
 - CASTELSuite server in operation
 - CASTELSuite KO server

1) THE DIFFERENT STEPS

1. INSTALLATION OF THE « CASTEL » PLUGIN

This interfacing requires the installation of the MIPCastelSuite Plugin under the MIPPlugins folder of the Milestone installation (for example « C:\ProgramsFile\Milestone\MIPPlugins »)

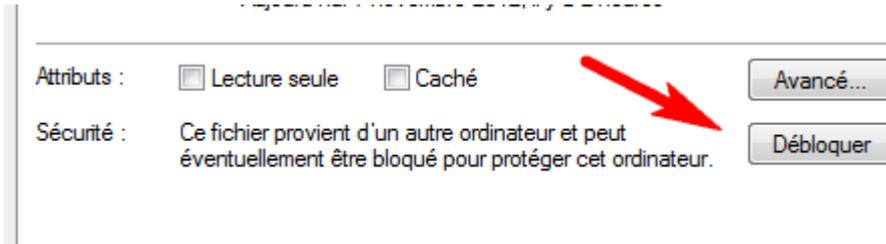
You must then create the MIPCastelInterphonie1 directory which will contain a plugin.def and MIPCastelInterphonie1.dll file



Warning: On some machines, the following message may appear when starting the Milestone server when loading the DLL: “Impossible to load file or assembly HRESULT 0x80131515”.

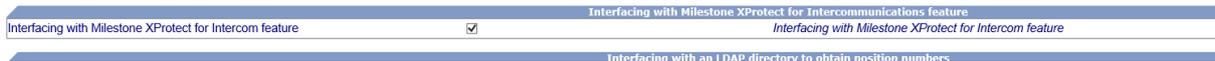
To solve the problem, just open a Windows explorer window, go to the directory where the dll is located and right-click on it to display the properties window.

If the dll is blocked, there should be an Unblock button at the bottom right. Just click on this button to unlock the file:



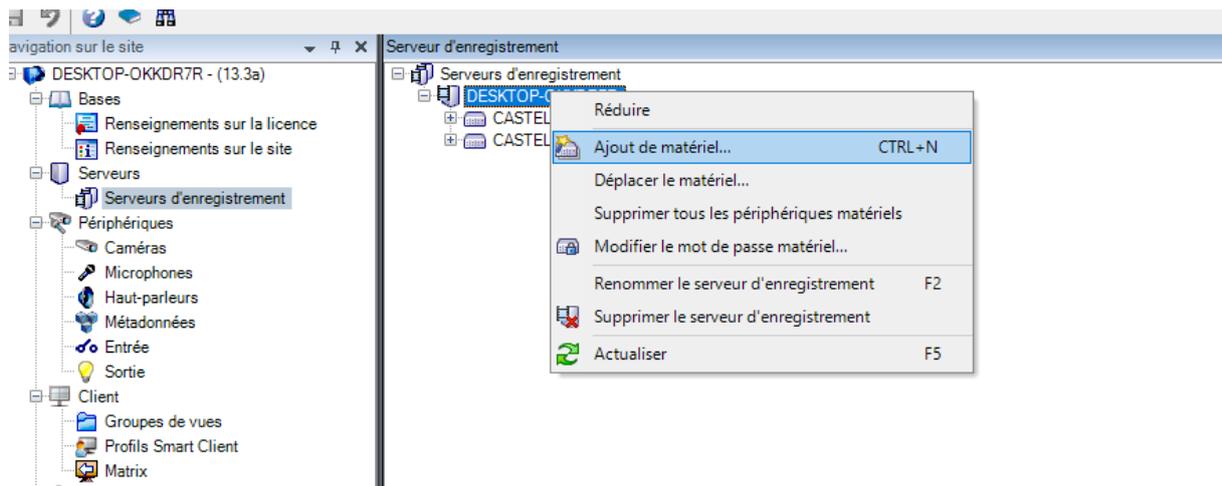
2. ACTIVATION OF THE FEATURE IN CASTELSERVER

The CASTELServer "Preferences" page proposes the activation/deactivation of interfacing with MileStone for the intercom part.



3. AUTOMATIC DETECTION OF CASTEL « CAMERA » TYPE EQUIPMENT VIA ONVIF

"Video" type sources must be detected via Onvif in the "Recording servers" section



Ajouter un matériel

Ajouter un matériel

Cet assistant vous permet de détecter et de configurer le matériel.

Méthode de détection du matériel :

- Express (recommandé)
Détecte automatiquement le matériel sur le réseau local du serveur d'enregistrement
- Analyse des plages d'adresse
Analyse des plages d'adresse réseau définies et détection des modèles de matériel
- Manuel
Détecte les modèles de matériel pour des adresses IP et des noms d'hôtes saisis manuellement

Aide < Précédent Suivant > Annuler

Ajouter un matériel

Précisez le nom d'utilisateur et le mot de passe si les périphériques n'utilisent pas ceux par défaut.

Inclure	Nom d'utilisateur	Mot de passe
<input checked="" type="checkbox"/>	(Par défaut en usine)	••••••••
<input checked="" type="checkbox"/>	castel	••••••••

Ajouter Supprimer

Aide < Précédent Suivant > Annuler

Ajouter un matériel
— □ ×

**Patientez le temps que votre matériel soit détecté.
Une fois la détection terminée, sélectionnez le matériel à ajouter.**



Arrêt

Serveur détecté :

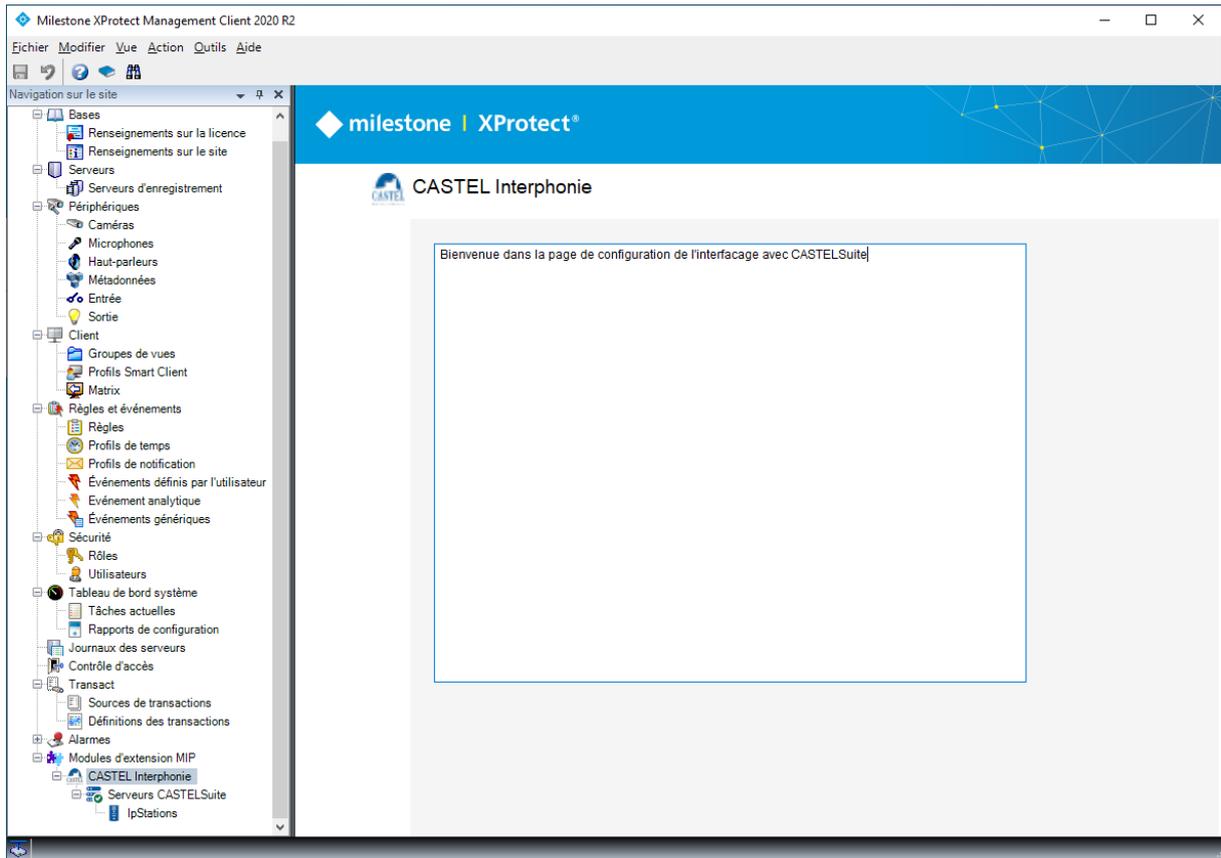
Ajouter	Adresse	Port	Modèle de l'appareil	État
<input checked="" type="checkbox"/>	10.49.28.179	80	CASTEL XEVIDEO-3B (ONVIF)	✔ Succès
<input type="checkbox"/>	10.49.28.182	80	ONVIF Conformant Device (ONVIF)	✘ Échec
<input type="checkbox"/>	10.49.28.210	80	ONVIF Conformant Device (ONVIF)	✘ Échec
<input checked="" type="checkbox"/>	10.49.28.211	80	CASTEL XEAUDIO-1B (ONVIF)	✔ Succès

Afficher le matériel exécuté sur d'autres serveurs d'enregistrement

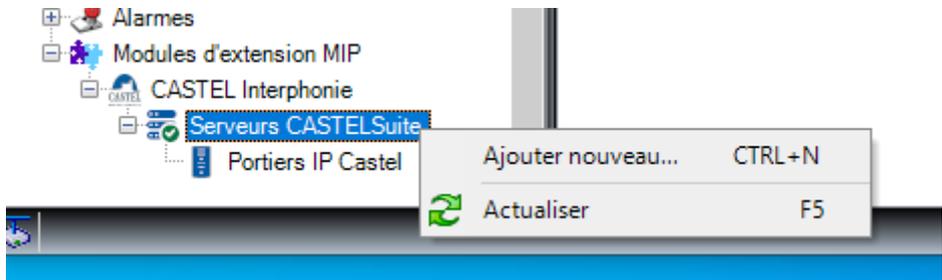
Aide
< Précédent
Suivant >
Annuler

4. CREATION OF THE CASTELSUITE SERVER AND CASTEL IP DOOR ENTRY STATION IN THE MANAGEMENT CLIENT

Before being able to integrate the various CASTEL door entry station into Milestone, you must create the interface with the CASTELSuite server. This action is performed via our plugin in the "MIP extension modules" part of the XProtect Management Client.



Step 1 : Creation of the interface with CASTELSuite

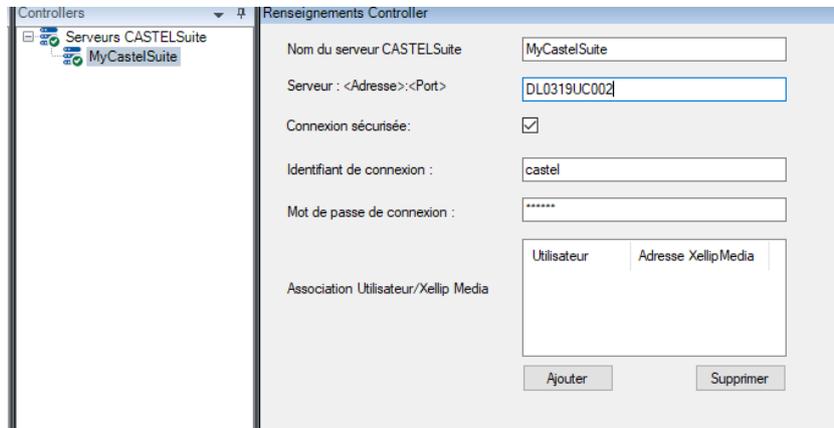


Step 2 : Complete the various server parameters

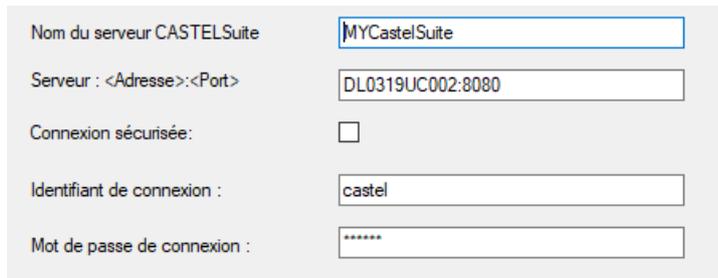
The parameters to be entered are :

- A name to identify the interface
- The IP address of the CASTELSuite server
- Connexion mode:
 - Secured :
 - The connection with the WebServices of the CASTELSuite server will be made in https. In this mode, it is imperative:
 - Install the Apache certificate of the CASTELSuite server on the Milestone server

- To specify the DNS name of the CASTELSuite server which was used to generate the Apache certificate. An IP address will not work.
- Activate the security of WebServices in CASTELSuite via the "Preferences" menu
- Example :



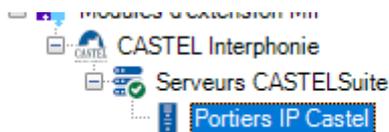
- Not secured:
 - The connection with the WebServices of the CASTELSuite server will be made in http. In this mode, it is imperative to :
 - Specify the Ip address or the DNS name of the CASTELSuite server with the port number 8080
 - Example :



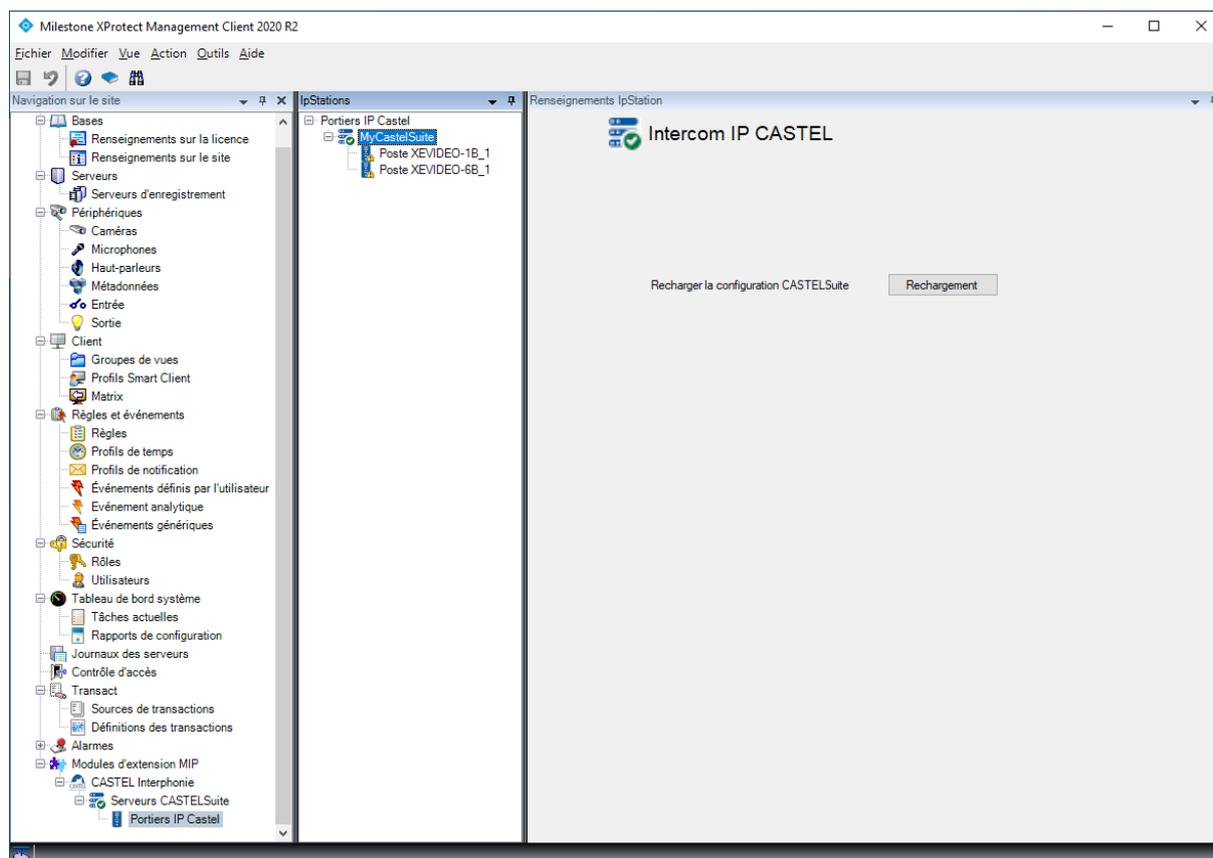
- Login Id/password :
 - The username/password pair specified here must have been configured on the CASTELSuite server.
- The links between a user and an IP address of XellipMedia
 - You must specify here the IP address associated with each user of the SmartClient so that the XProtect event server can remotely control the correct XellipMedia application depending on the user who is placing the order. (See paragraph « XellipMedia software Installation » for more details).

Step 3 : Load CASTEL IP door entry station

Once the CASTELSuite server has been identified, you must select in the "Site navigation" section the element "Portiers IP Castel"

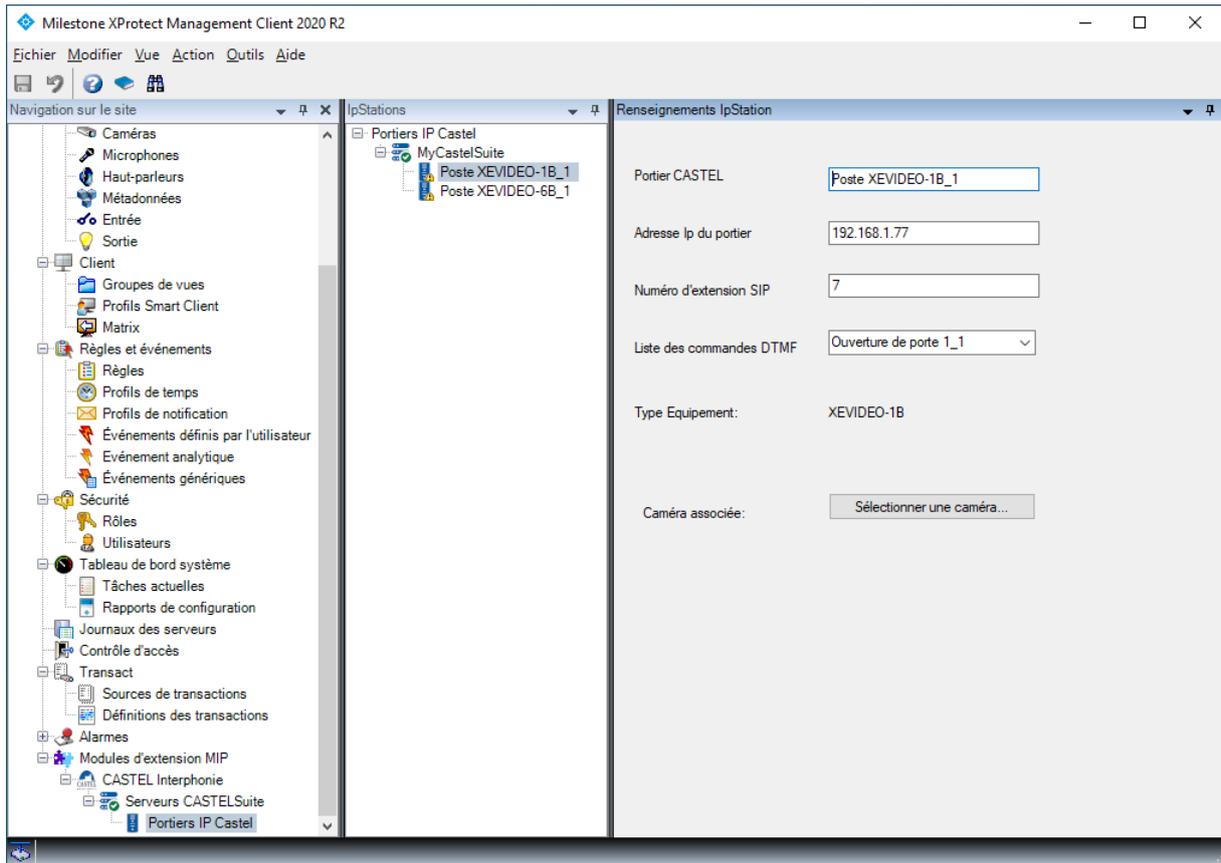


Step 4 : Start loading door station



Step 5 : Associate each CASTEL door entry station with a camera

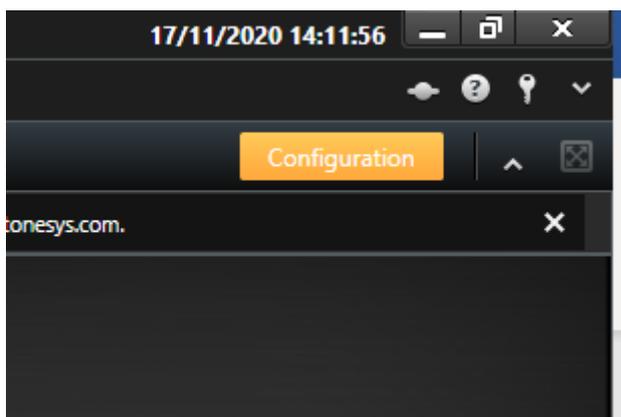
Once the door entry station have been downloaded, it is then possible to associate a camera with them.



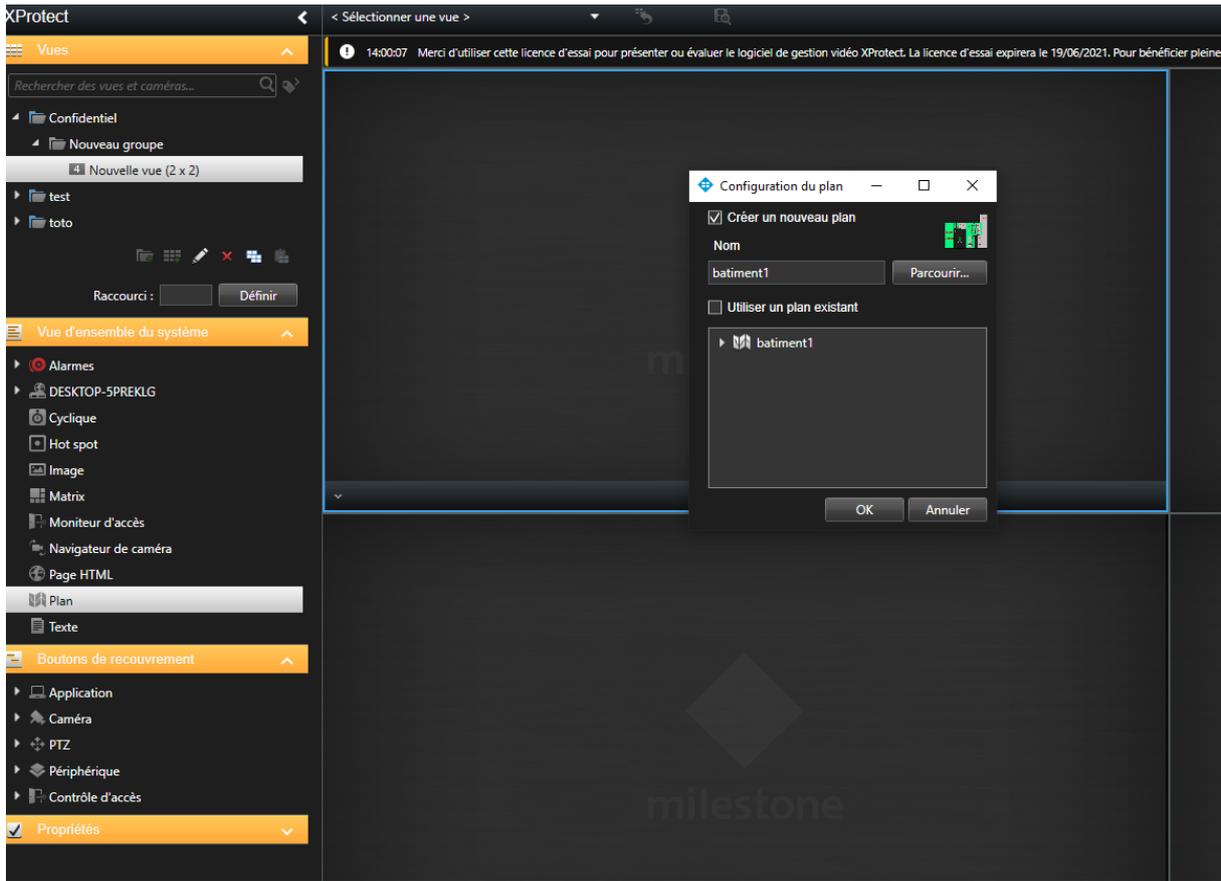
5. CONFIGURATION IN THE SMART CLIENT

PUT A « CASTELSUITE SERVER » ELEMENT ON A MAP

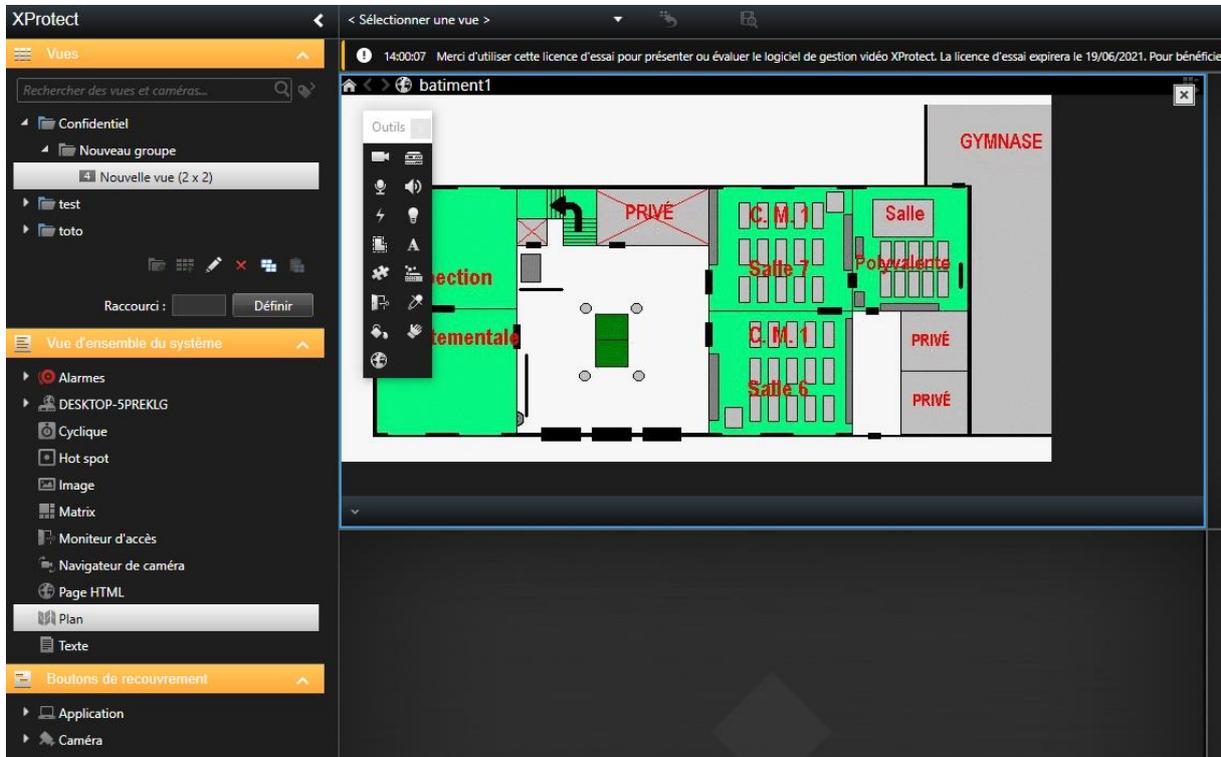
Step 1 : Before performing this operation, you must first switch the SmartClient to "Configuration" mode»



Step 2 : Create a new view and insert a plan in this view

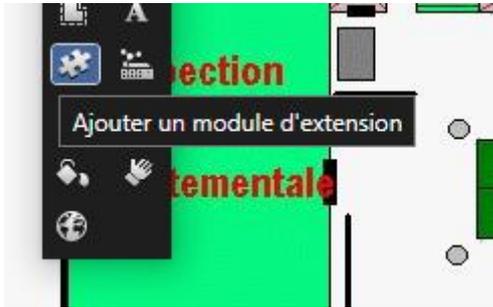


Step 3 : Select a map

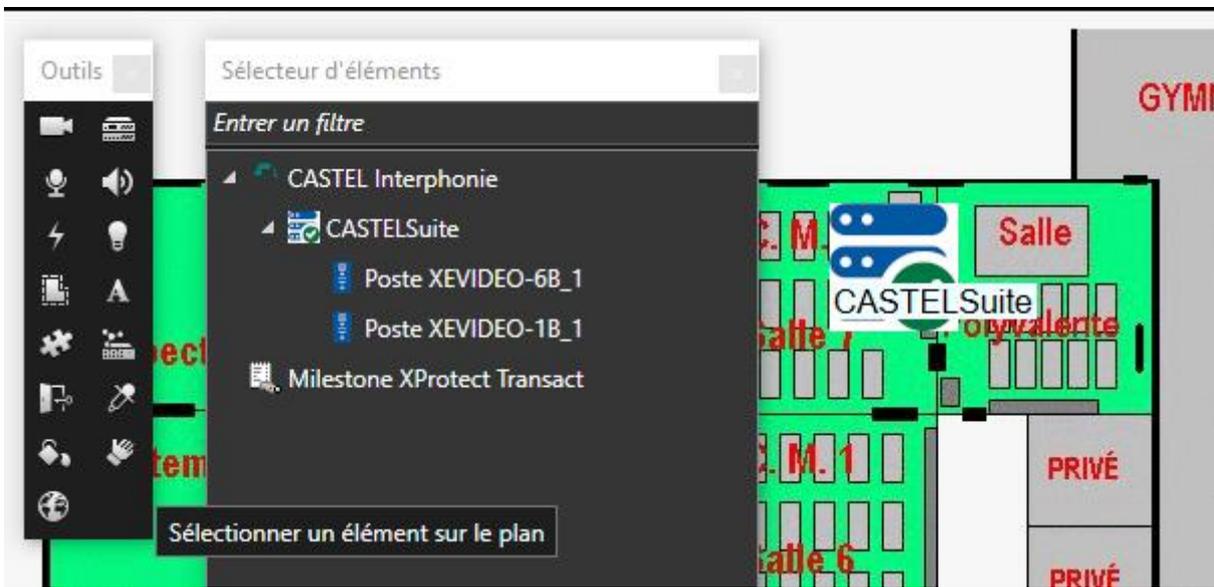


Step 4 : Move the "CASTELSuite server" element on the map

The positioning of an element of this type is carried out via the following icon

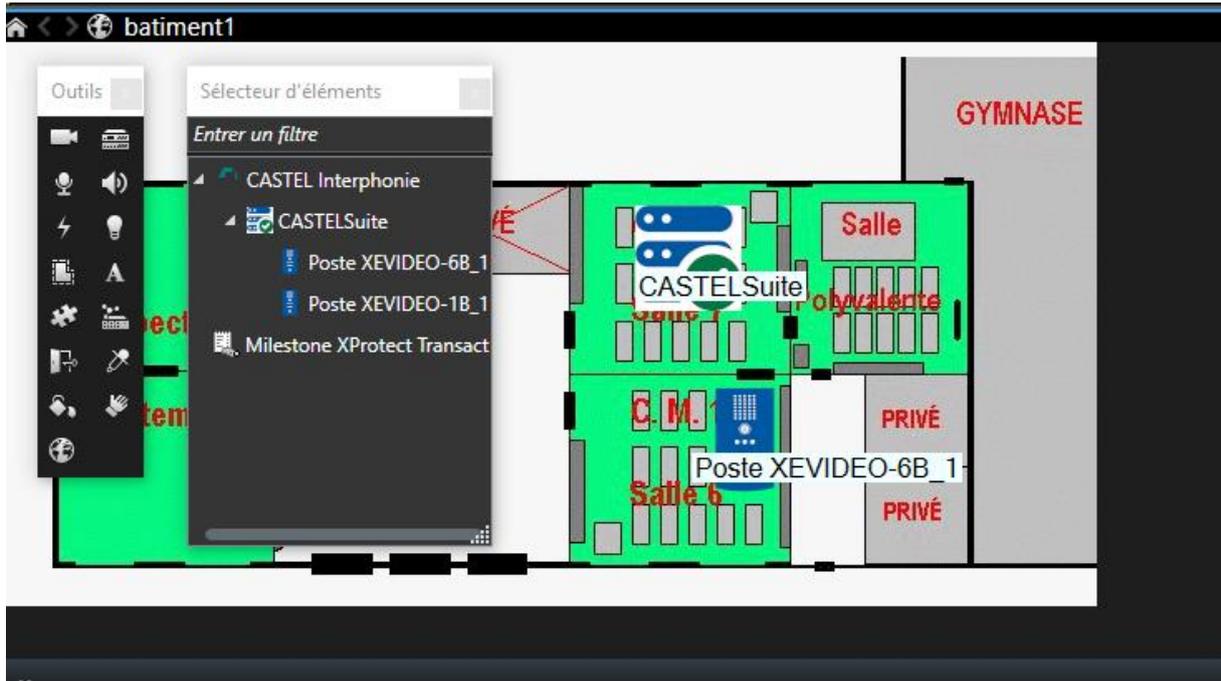


All you have to do is drag and drop the CASTELSuite server icon onto the map in the place provided.



PUT A « DOOR ENTRY STATION » ELEMENT ON THE MAP

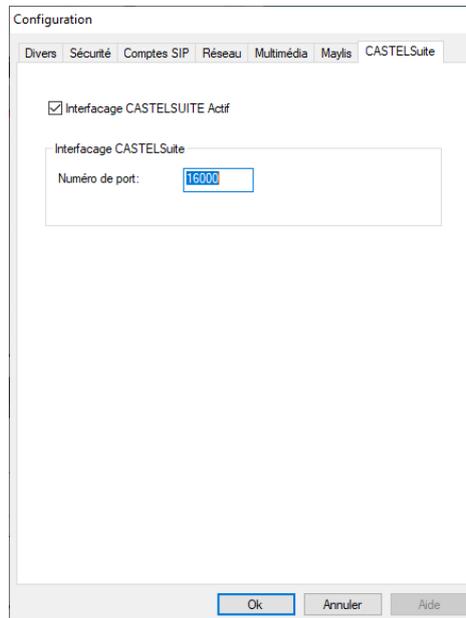
Perform the same type of operation but select an item such as "Ip Castel door entry station"



6. XELLIPMEDIA SOFTWARE INSTALLATION

It should be understood here that each machine on which an XProtect SmartClient is running must be equipped with XellipMedia software in order to be able to communicate in SIP with the door stations.

Warning: You must activate the interface with CASTELSuite to authorize the control of XellipMedia by CASTELSuite:



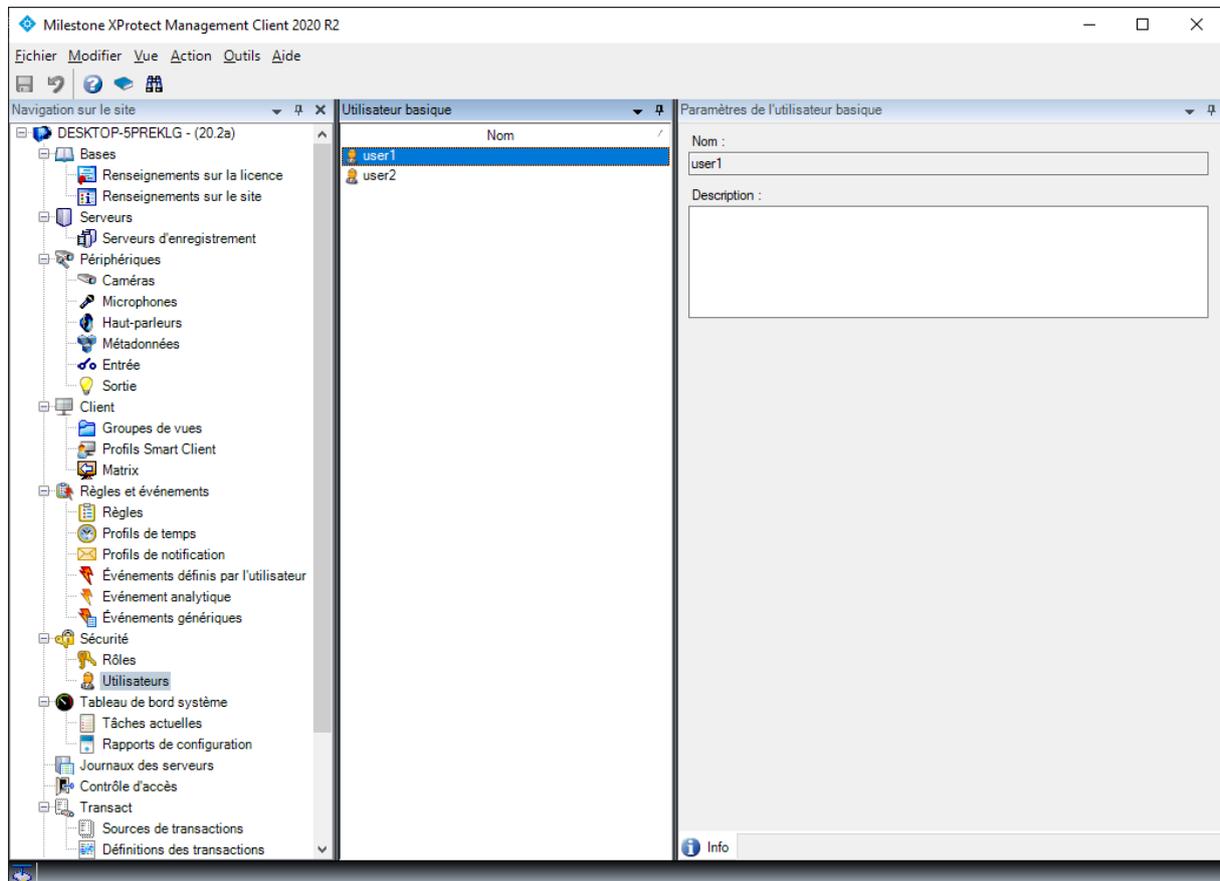
Current operation requires that each SmartClient must authenticate with a different username in order to be able to associate a user with a machine Ip address. For example, on machine "PC1" a user will need to authenticate with user PC1, on machine "PC2" a user will need to authenticate with user PC2. Then at the level of the CASTELSuite server, it will be necessary to inform in the Management Client the association between the user PC1 and the Ip address of the machine PC1.

Warning: For CASTELSuite to be able to control XellipMedia, it is imperative that there is in the XellipMedia directory the door entry devices configured with the correct extension of the following type:

- In stand alone: sip: <extension number> @ <ip address of the gatekeeper>
- In SIP server mode: sip: <extension number> @ <server ip address>

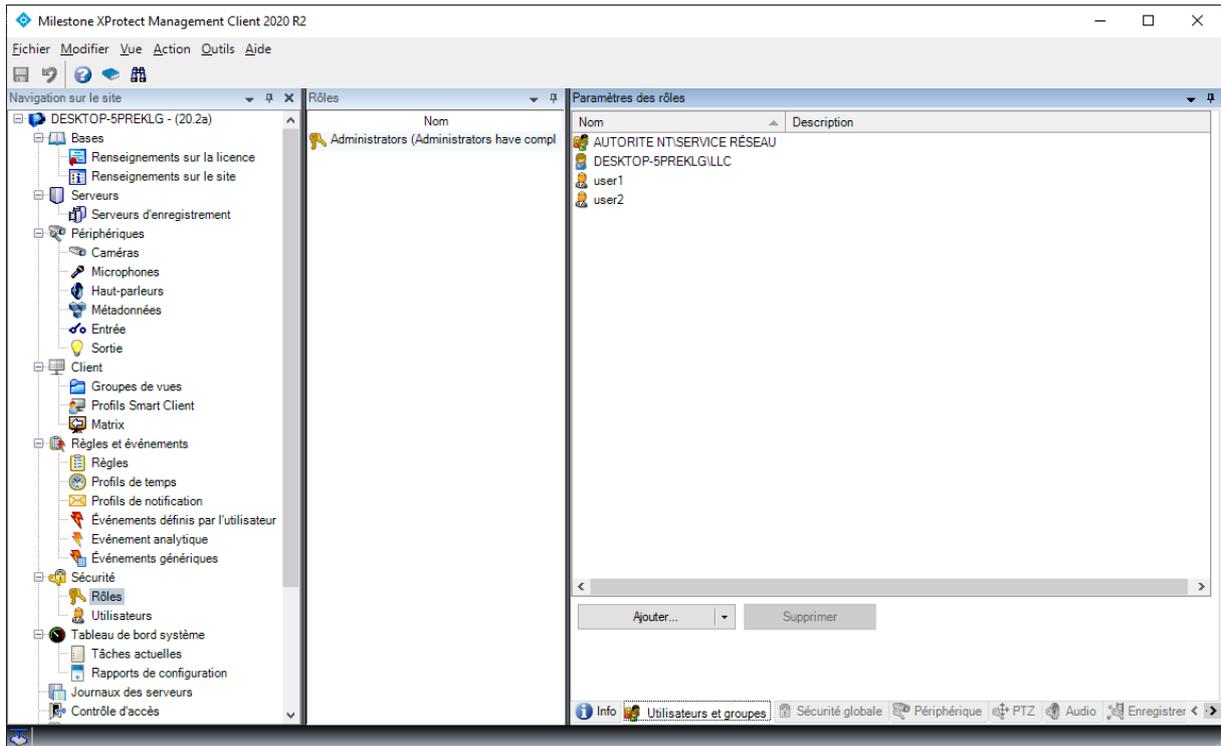
- **User creation**

It is therefore necessary to create a basic user per machine on which the MartClient and the XellipMedia software will have to be run.



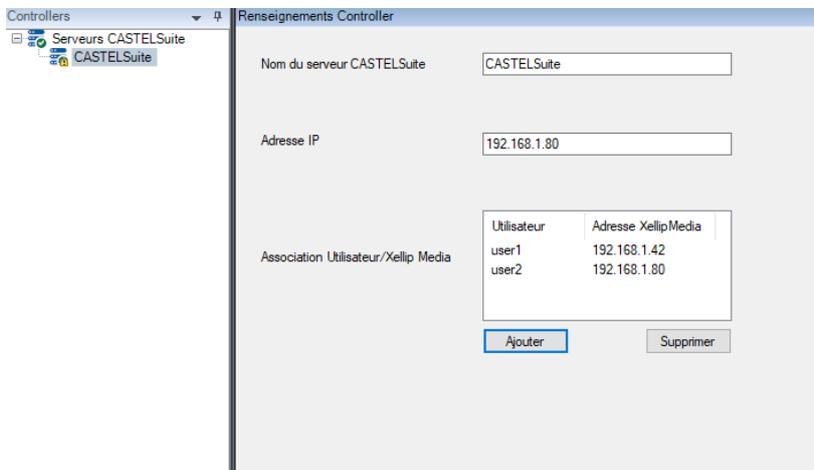
- **Assign a role to each user**

The example presented here gives the role "Administrator" to each user but the configuration can of course be different



- **Associate the IP address of the associated XellipMedia with each user**

Thus the Milestone event manager can make the link between a SmartClient identifier and a XellipMedia.



7. EXPLOITATION IN SMARTCLIENT SOFTWARE

You then have on the map an icon representing the status of the CASTELSuite server and various icons representing the Ip Castel door station.

- CASTELSuite server
 - If the remote CASTELSuite server is present, the following icon indicates that the connection is active with this server and that the SmartClient is ready to receive call events from the gatekeepers



- If the remote CASTELSuite server is absent, the following icon indicates that the connection is inactive with this server. You must then start the CASTELSuite application on the dedicated server



- Castel door entry station

- The following icon represents Ip CASTEL equipment in the idle state



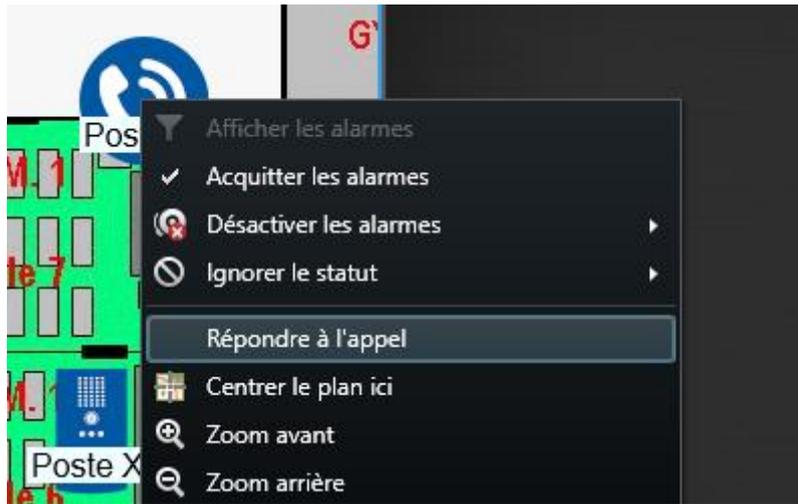
It is then possible to go into communication with this equipment by right clicking on the icon:



- The following icon represents a CASTEL IP equipment performing an outgoing call



It is then possible to answer the call by right clicking on the icon:



- o The following icon represents an Ip CASTEL equipment in communication:



It is then possible to carry out the following commands:

- command on the remote computer by right clicking on the icon:



Note: The list of available commands depends on the door station configuration

- End the communication by right-clicking on the icon

