3. VANTIQ & Live Objects Tutorial Result

This document presents the result of the tutorial:
You will need to import the 2 Vantiq projects and configure them to run the tutorial.

1. Projects Import

You can import in your Vantiq environment the 2 .zip projects:
LiveObjectsDataGen.zip
TemperatureControl.zip
Projects->Import->Import->Reload.

2. Configuration

You will have to do the following configuration

- **in the LiveObjectDataGen project :**

➢ Add images (orange logo) in your workspace documents

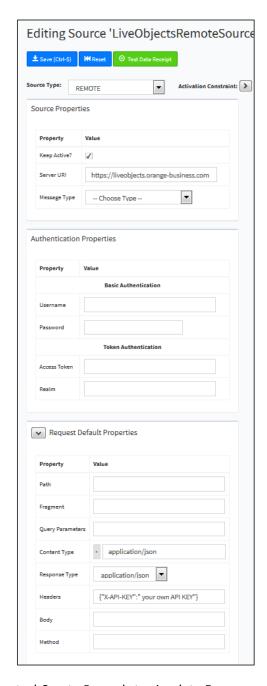In Show->Advanced-> Documents, add the OrangeLogo image with the following link public/images/OrangeLogo.png.

➢ Modify the following resources :

Client: LiveObjectDataGenerator (the Web App)
In Properties, Custom Code, replace "Your_VantiqWorkspaceName" by your Vantiq Workspace Name in the first line to refer to the Logo image you just added in your workspace documents. Click OK, OK and Save the client.

Source: LiveObjectsRemoteSource
Set your API Key in the source LiveObjectsRemoteSource as defined in the document 1_TutorialOrangeLiveObjectsVantiq_DataSimulator Chapter "5.Create a source to push simulated data to Live Objects". Set Keep Active and Save the source.

Type : LiveObjectsDataGenControl Create Records to simulate 5 sensors
Create Records of Data Type LiveObjectsDataGenControl: Refer to document
1_TutorialOrangeLiveObjectsVantiq_DataSimulator Chapter "3.Create Data Types/B. Create Records
to simulate 5 sensors"

- **in the TemperatureControl project :**

➢ Add images (logo and floor plan) in your workspace documents

In Show->Advanced-> Documents,

Add first the Orange Logo in the document of the workspace, with the following link public/images/OrangeLogo.png.

Add the Orange Floor Plan to locate the assets, with the following link public/images/ FloorPlanTutorial.png.
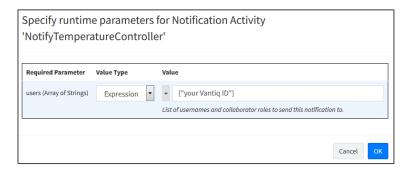
➢ Modify the following resources :

Type: THMeter
Record 5 sensors as defined in the document
2_TutorialOrangeLiveObjectsVantiq_TemperatureControlApplication,
Chapter 3. Create Data Types /B. Record 5 sensors TH_Meter entries

Type: Asset
Record 5 assets as defined in the document
2_TutorialOrangeLiveObjectsVantiq_TemperatureControlApplication,
Chapter 3. Create Data Types /D. Record 5 Rooms entries

Collaboration Type : StartCollaborationCriticalTemperature /NotifyTemperatureController
In the Runtime Params, set your Vantiq ID in the users field, as defined in the document
2_TutorialOrangeLiveObjectsVantiq_TemperatureControlApplication,
Chapter 6. Define the Collaboration /E. Define the Notification in the Collaboration.
Vantiq ID can be found in your Vantiq user profile (Top Right of the page).
Save the Collaboration.

Source: LiveObject_SensingLabsTH
Set your API Key in the Password field.
Set the source to be active (Keep Active), Save the source.

As defined in the document
2_TutorialOrangeLiveObjectsVantiq_TemperatureControlApplication,
Chapter "4. Create the Source to get data from Live Objects"

Procedure:SendMailToChiefofService

Change in line 12 and 13 of the procedure the source mail and the chief of service mail.

Save the procedure.

Source:MailToChiefofService

Modify the username, password of your email source, as defined in the document
2_TutorialOrangeLiveObjectsVantiq_TemperatureControlApplication,

Chapter 6. Define the Collaboration /F. Add an Escalation Task.

Set it active (Toggle Keep Active On).

Save the source.

Client: Temperature Control dashboard (the Web App)

In Properties, Custom Code, replace "Your_VantiqWorkspaceName" by your Vantiq Workspace Name in the first line to refer to the Logo image you just added in your workspace documents. Click OK, OK and Save the client.

In the canvas, click on the FloorPlanViewer, and set the appropriate URL : replace "Your_VantiqWorkspaceName" by your Vantiq Workspace Name

../docs/NS/Your_VantiqWorkspaceName/images/FloorPlanTutorial.png

Client: Controller Response (the Mobile App used for the notification)

Click on the image on the left of the title Cold Storage Service, replace "Your_VantiqWorkspaceName" by your Vantiq Workspace Name in the reference to the logo

https://dev.vantiq.com/ui/docs/NS/Your_VantiqWorkspaceName/images/OrangeLogo.png.

Select Detail Page

In the canvas, click on the FloorPlanViewer, and set the appropriate URL : replace "Your_VantiqWorkspaceName" by your Vantiq Workspace Name

../docs/NS/Your_VantiqWorkspaceName/images/FloorPlanTutorial.png

Save the client.

Save the project.

3. Launch the App

Go to https://dev.vantiq.com/ui/rtc/index.html#/home.

Launch LiveObjectsDataGenerator Client.
Configure the sensors status, and press the button Start Generating Data.

If you configure one of the sensor with a critical status, the app will detect a critical situation and trigger a collaboration. You will receive notification on your mobile Vantiq App, and mail to notify the situation.

Launch Temperature Control Dashboard Client to visualize the real time data.