JACQUES TO MILESTONE HLI

INTEGRATION GUIDE

JED-0426

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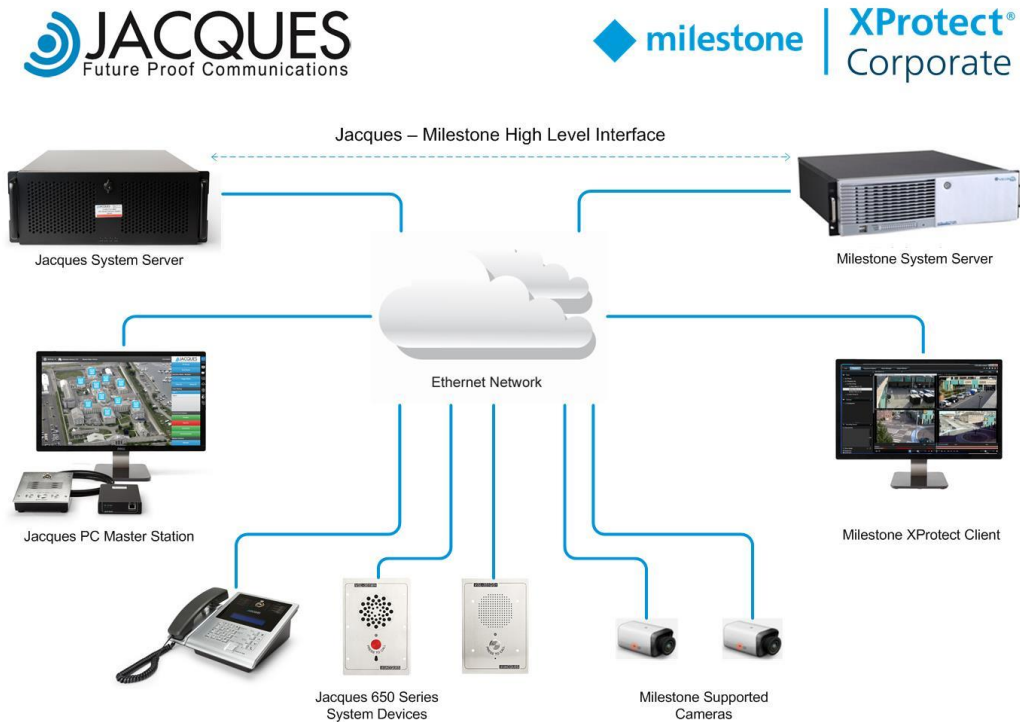# TABLE OF CONTENTS

INTRODUCTION

The Jacques - Milestone CCTV High Level Interface was developed by Jacques Technologies and allows Jacques 650-series IP communication system to send call information to the Milestone XProtect Corporate for switching the intercom associated cameras onto an active matrix of Milestone XProtect Smart Client.

Each Jacques workstation and Milestone workstation is configured via the Jacques Event Controller software module (V7.95 and above) installed on the Jacques System Controller. Once configured, each Milestone supported camera can be mapped to Jacques intercom devices in the Jacques system database.

The Jacques - Milestone High Level Interface will allow the Milestone XProtect Smart Client to display intercom associated CCTV camera streams on a variety of Jacques functions, as follows:

- Call Originate
- Call Connect
- Call End
- Call State – On Hold
- Call Forward
- Covert Monitoring
- Bridge Call
- Divert Call
- Remote / Un-Remote Station

This document is a guide to the configuration of Jacques Milestone CCTV high level interface system.

REQUIREMENTS

The following minimal hardware and software is required to enable Jacques system devices to integrate with Milestone systems.

HARDWARE REQUIREMENTS

- Jacques controller: TCH-2MX or JSC-5L or Jelinux as a virtual machine featuring Jccpserver and Event Controller services
- Windows based servers for Milestone XProtect corporate product
- Milestone supported camera (Please refer: https://www.milestonesys.com/solution-partners/supported-hardware/other-xprotect-products/)
- Jacques supported intercom hardware
  - JEM2 and JEM2+ series: IPM-350/350H/350G/350GH, IPM-360/360H/360G/360GH, VSL-3XX, VSL-3XX+, HPU-5E2+/HPU-5E2-i
  - PC Master station: PCC-650
  - JEM3 series: VMS-750, VES-74X, VES-75K

SOFTWARE REQUIREMENTS

- Jacques Jccpserver, event controller (version 7.95 or above) and SOF116-MILESTONE
- HeidiSQL to access Jacques server database.
- Milestone XProtect Corporate 2016 or above

PREREQUISITES

Install the following on any server in your network. The applications do not need to be installed on the same server.
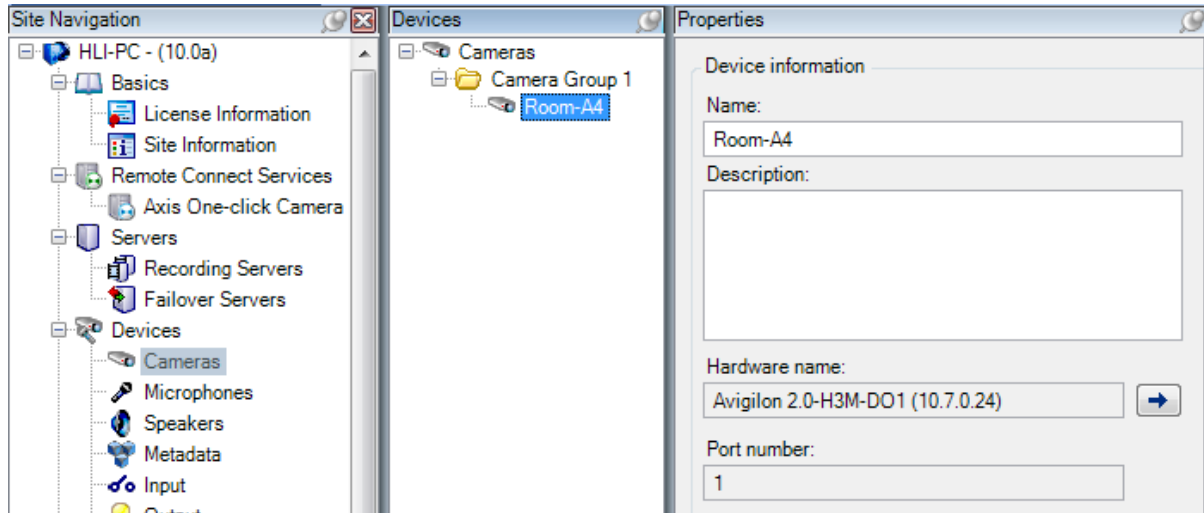
- Jacques JELinux server with Event Controller software package
- Milestone XProtect Corporate Server
- Milestone XProtect Management client and smart client
- Intercoms in the Jacques system is added and functional
- Camera devices added to Milestone system

CONFIGURATIONS

CONFIGURE CCTV CAMERA

In Milestone XProtect Management Client:

1. Navigate to **Devices** > **Cameras**.

2. Change the name of the camera relevant to its purpose or location (eg Room-A4)

3. Keep note of the name of each camera. You'll be using this later when configuring the Jacques database.

The Event Controller uses the name of the CCTV camera as an identifier to know which camera to switch on the monitor. It's important to have this value unique as it may disrupt the functionality of the HLI

CONFIGURE MONITORS

CONFIGURE MATRIX MONITORS

Similar to CCTV camera set up, each monitor will have its own unique name.

Matrix Monitors are PC's that have XProtect Smart Client installed
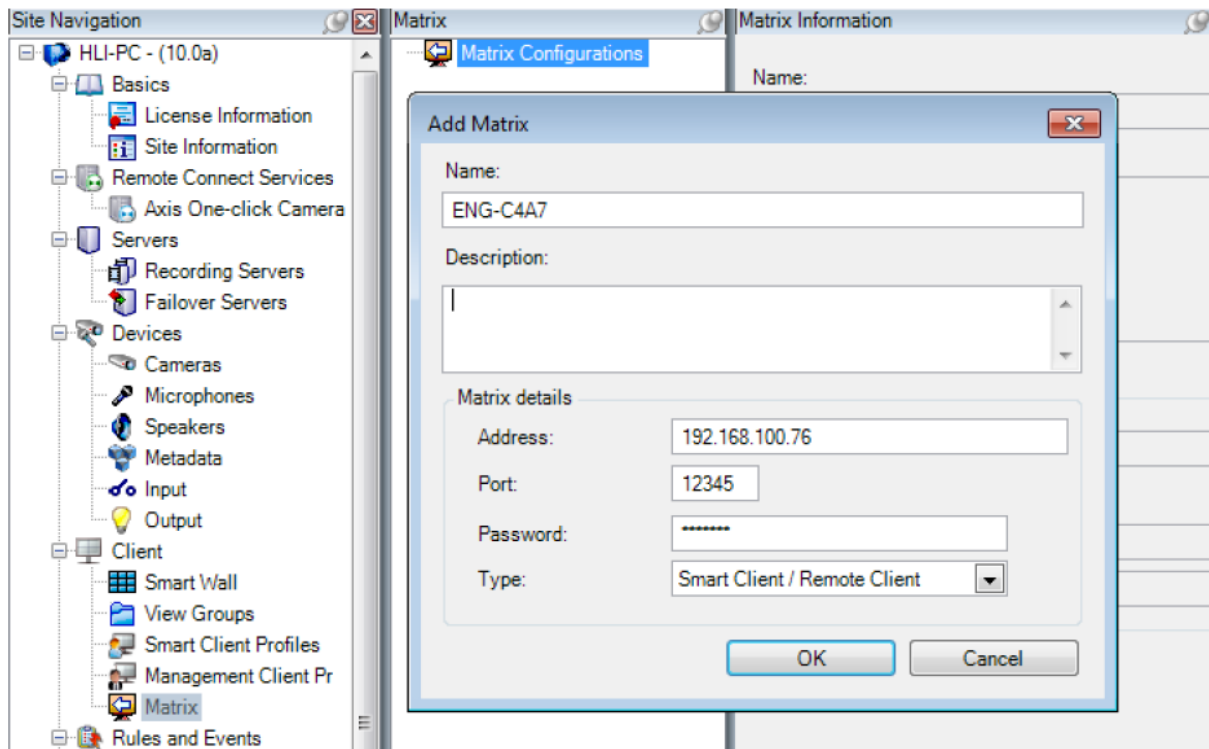

In Milestone XProtect Management Client:

1. Navigate to **Client** > **Matrix**.

2. Right-click **Matrix Configurations** and select **Add Matrix**.

3. Enter a unique **Name**, **IP Address** of User PC, **Port**, **Password** and **Type = Smart Client.**

IP address needs to match the PC on which the XProtect smart client is running. Port and Password can be anything
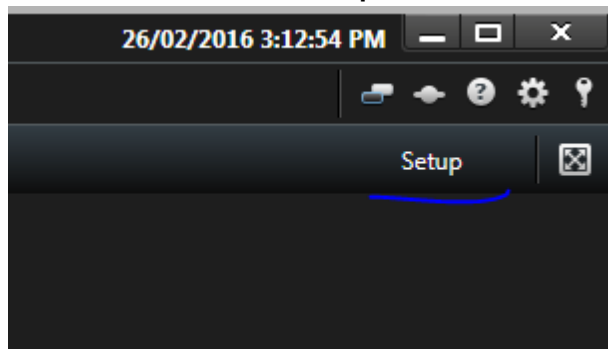
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4. Hit OK.

The Event Controller uses the name of the Matrix monitor as an identifier. It's important to keep note of these Matrix monitor name.
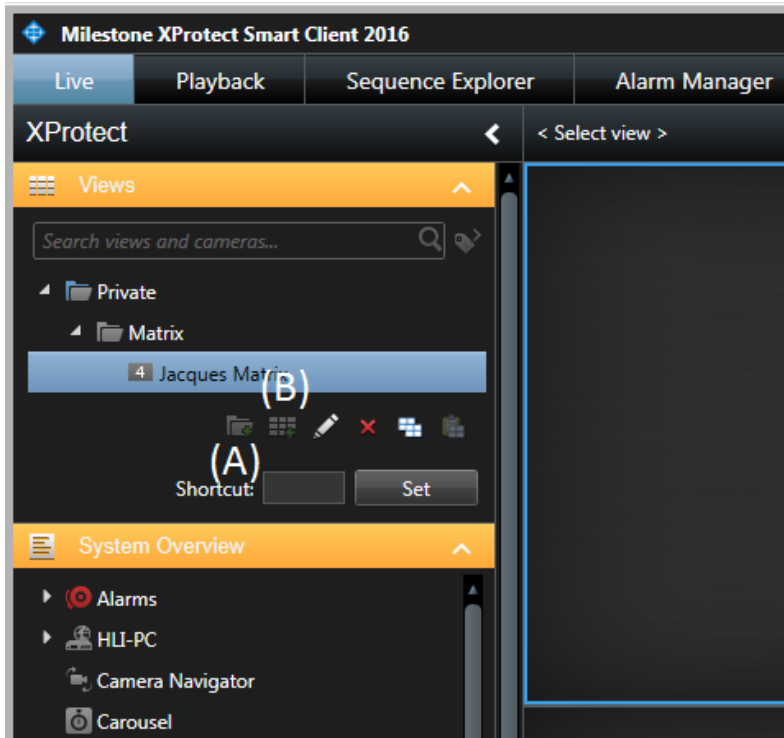
CREATE MATRIX VIEW IN XPROTECT SMART CLIENT

In XProtect Smart Client:

1. In the **Live** tab, **click on Setup button** located in the top-right corner.

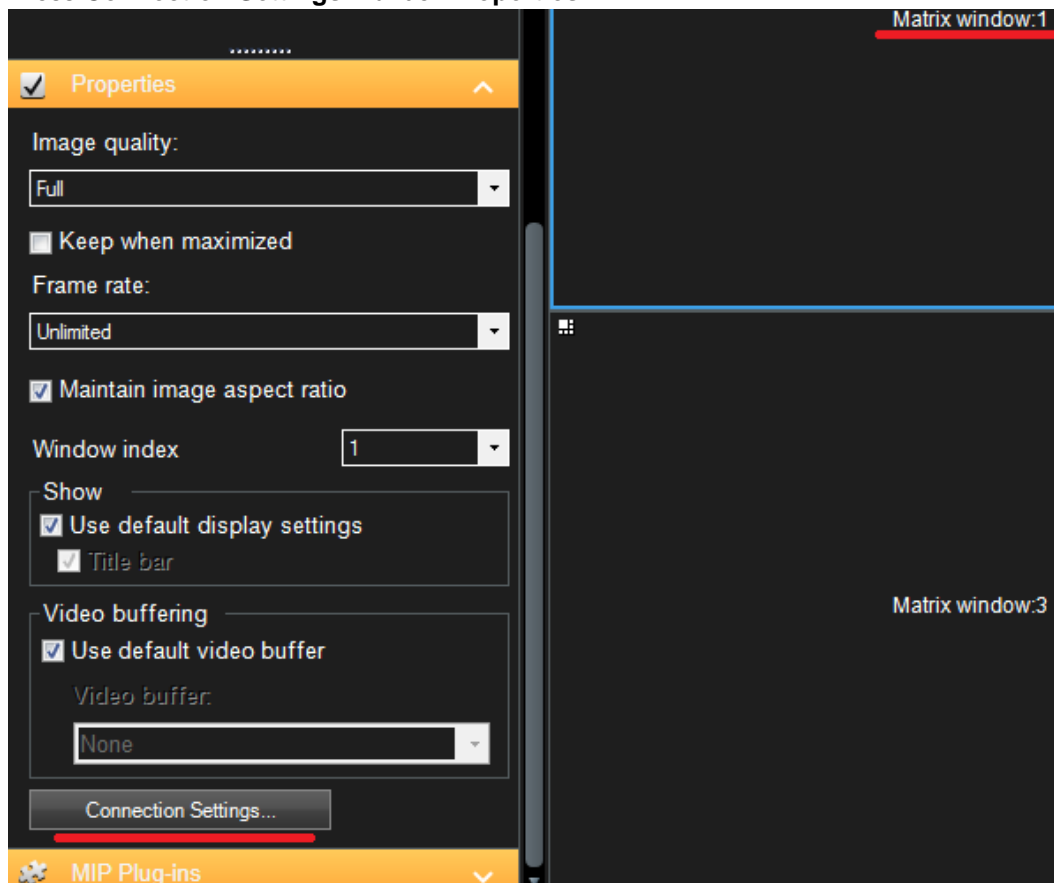2. On the top-left corner, under **Views** tab, select the **Private folder**.

3. (A) Create a new group folder.
   (B) Then create a new view.

4. Under **System Overview**, **select and drag Matrix** onto each viewing cell.
5. On the side bar, scroll down to **Properties**.
6. Make sure **Matrix window:1** is the selected viewing cell.
7. Press **Connection Settings...** under **Properties**.

8. Set the **TCP Port** and **Password** as configured in **Management Client**.

9. **Hit OK** and **click Setup button** to exit Setup mode.

CONFIGURING JACQUES EVENT CONTROLLER

Follow the standard Jacques installation instructions to get the Jacques device online and running.

To create the custom Milestone jevent ini file, open Notepad++ and copy the following script:

```
##########################################################
# Milestone jevent.ini example (IAV)
#
# [milestone-cctv-<name>]
# user      - username for authentication (admin preferably)
# password   - password associated with username
# ip-address - IP Address of the XProtect Management Server
# port       - port of the XProtect Management Server
#
##########################################################


[milestone-cctv-milestone]
user=hli
password=jacques
ip-address=10.7.0.22
port=80

[iav-ENG-C4A7]
cctv=milestone
master=200
monitor=ENG-C4A7
switch-on-call=request
inactive=default
camera-enabled-when-calls-on-hold=1

[iav-ENG-C4A8]
cctv=milestone
master=100
monitor=ENG-C4A8
switch-on-call=request
inactive=default
camera-enabled-when-calls-on-hold=1
```

The breakdown of the configuration is as follows:

- **User and password:** logon details of the Milestone user with administrative privileges
- **IP-address:** ip address of the XProtect Management Server
- **Port:** port of the XProtect Management server
- **[iav-name]**: This section is used to map a Jacques master station to Milestone smart client. For each mapping the name in the [iav-name] should be unique.
- **Master**: It represents the tag number of the Jacques Master station.
- **Monitor**: It represents the Milestone Matrix Monitor name. Refer section configure matrix monitor.
- **Switch-on-Call=request:** It's a command that allows the camera to stream when a call is made in Jacques system.
- **Inactive = default:** It's a command to stay inactive when there are no calls in the Jacques system
- **Camera-enabled-when-calls-on-hold=1:** It's a command that allows the camera to keep streaming when a call is on hold.

Example: In the above script, Jacques PC Master with a tag 200 is mapped to Smart Client with matrix monitor called ENG-C4A7. When a call is established with the PC Master (tag: 200) the intercom associated camera view is displayed on the Matrix Monitor.

Upon completion of the custom ini file, open the JELinux Web Interface and follow the steps below to upload the file:

1) Navigate to Applications --> Event Controller

2) Under the 'Event controller Custom Files' section, click the upload button and browse the ini file.

3) Click Upload to upload the file.

4) Navigate to the Event Controller page and restart the jevent service.

MAPPING CAMERA TO THE INTERCOMS

Open HeidiSQL and add an entry in the tag_details of the siteconfigDB database for mapping camera to the intercom.

tag	name	value
Intercom tag no	camera	Name of camera

where:

- Tag: tag number of the intercom
- Name: set the name as 'camera'
- Value: camera name as set in Management Application.

For example, as shown in the figure below, intercom tag 101 is mapped with camera name Room-A4.

tag	name	value
101	camera	Room-A4

To map multiple cameras to an intercom, the names of the cameras can be separated by '|'. For example, as shown in the figure below, intercom with tag 101 is mapped to two cameras called Room-A4 and Room-A5.

tag	name	value
101	camera	Room-A4|Room-A5

Upon completion of the configurations, the integration functions such that live CCTV streams of associated cameras will be directed to the Milestone Smart Client during an incoming call/connected call with the Jacques master workstation.

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1.0	2018-10-02	HK/PG	Initial release

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