

# Paxton Integration

Apr, 2014

**NUUO<sup>®</sup>**

# Agenda

- Solution Partner Introduction
- Integration Introduction
- Key Features
- Escalation Flow
- Quick Setup Guide



# Solution Partner Introduction

Apr, 2014

**NUUO<sup>®</sup>**

# Paxton Company Overview

- Established in 1985
- Headquarter: United Kingdom
- Branch offices: Ireland, Germany, France, Benelux , South Africa and USA
- Product line: Standalone and PC based Access control
- Software: Net2

<http://www.paxton-access.co.uk/>

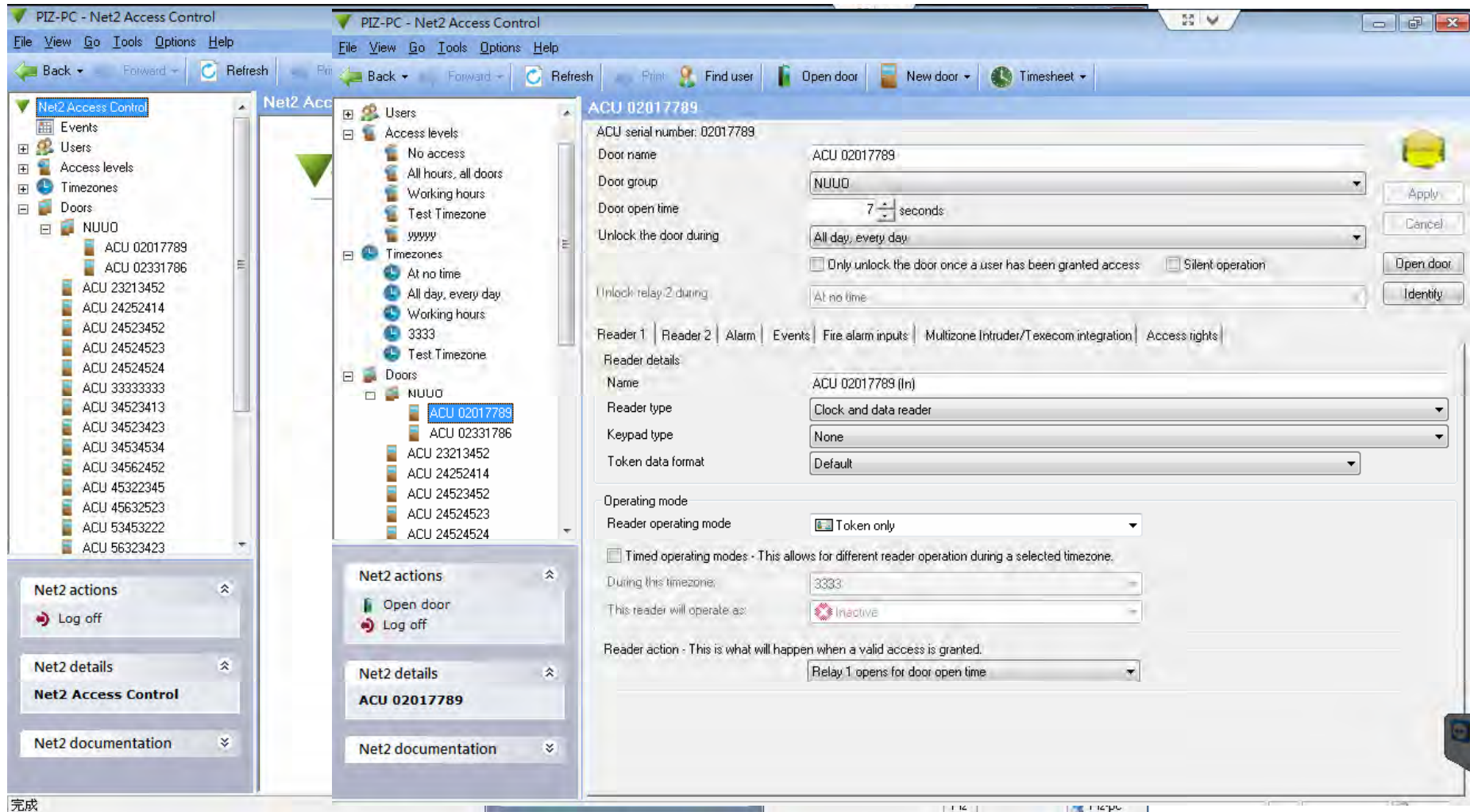
**NUUO**<sup>®</sup>

**VIDITRONIC**  
nuuo.com

# About Net2

- Central control of sites
- Integration - intruder, CCTV
- Simple Software licencing
- One time charge unlocks all features, no additional
  - Door licences
  - User licences
  - Workstation licences (incl. remote sites)
- Free upgrades

# Net2 User Interface

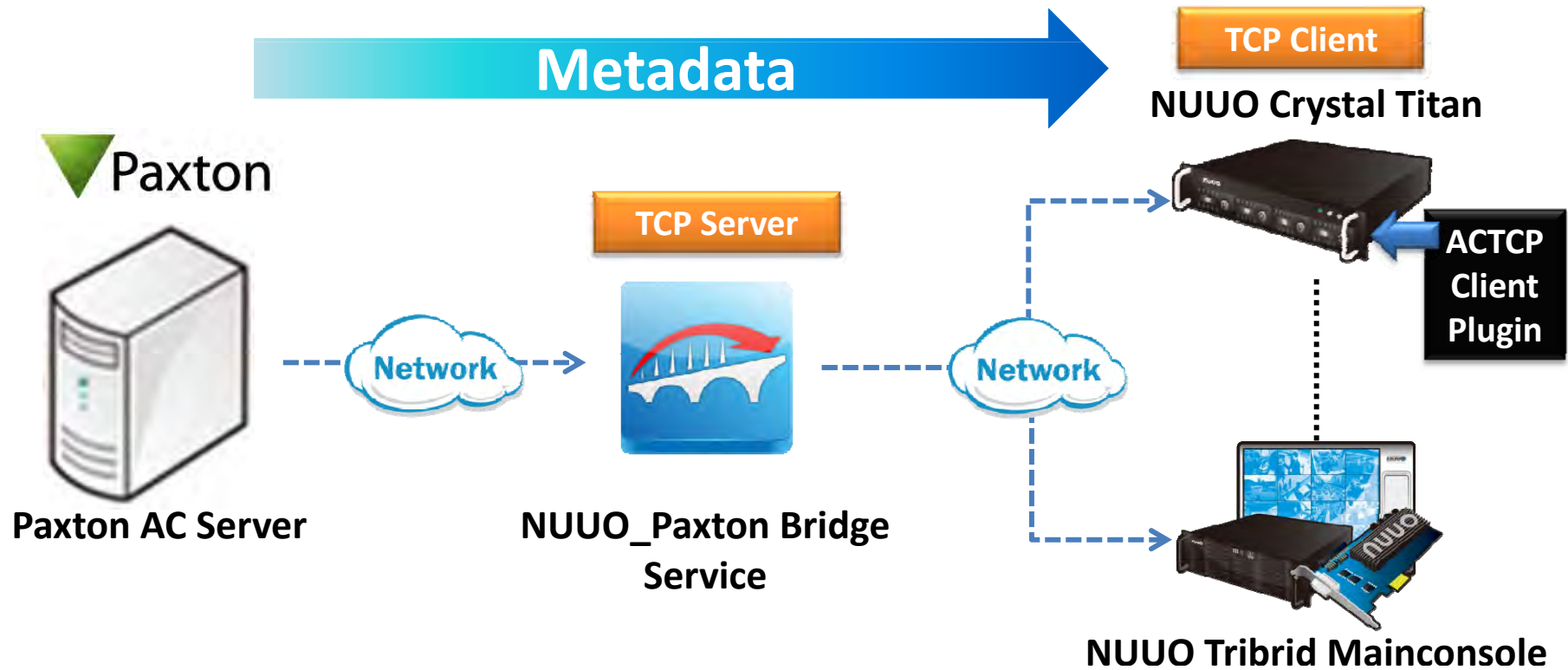


# Integration Introduction

Apr, 2014

**NUUO<sup>®</sup>**

# System Architecture





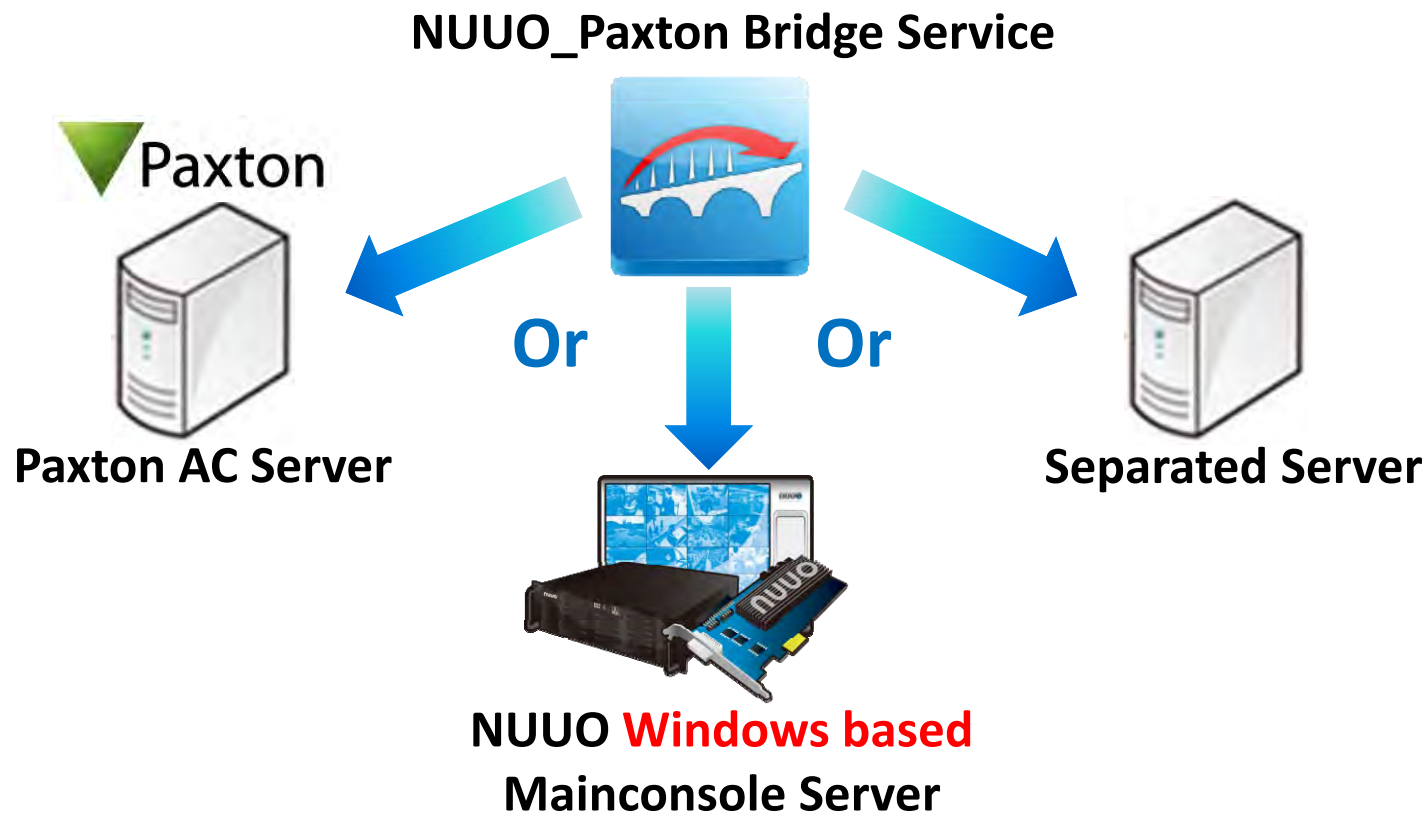
# What do I need to connect Paxton?

Item	Compatible Server
<b>NUUO Bridge_TCP Server_Paxton</b>	<ul style="list-style-type: none"><li>- Mainconsole v5.0.12 and above</li><li>- Crystal Titan v2.0 and above</li><li>- Paxton Net2 v5.0</li></ul>
<b>ACTCPClient_Crystal2.0</b>	<ul style="list-style-type: none"><li>- Crystal Titan v2.0 and above</li></ul>
<b>NUUO Access Control License</b>	<ul style="list-style-type: none"><li>- SCB-IP-P AC 01 / 04</li><li>- CT-ACC-Generic 01</li></ul>

# Where should I install NUUO\_Paxton Bridge Service?

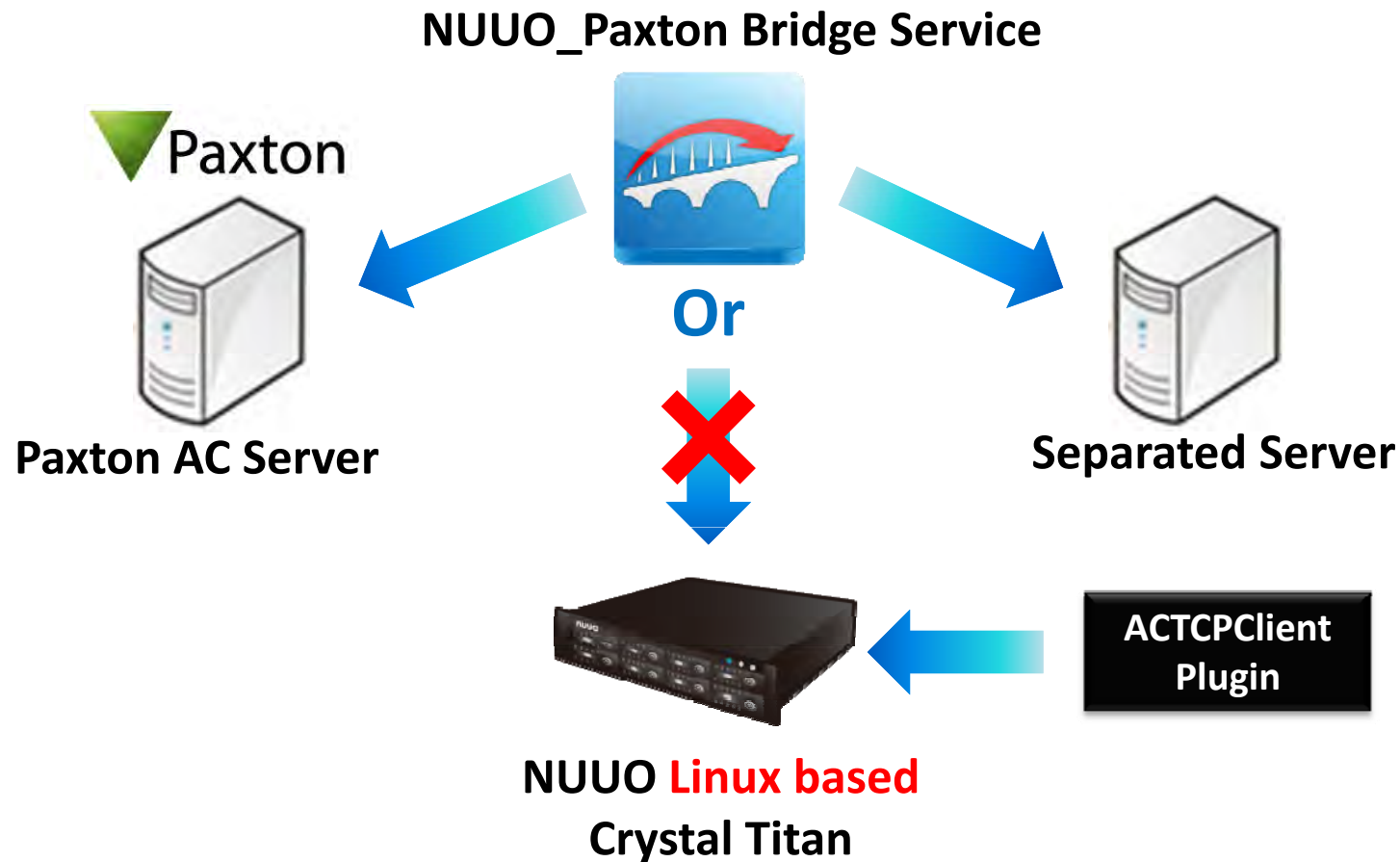
Any Windows Based Server

(1) For Mainconsole



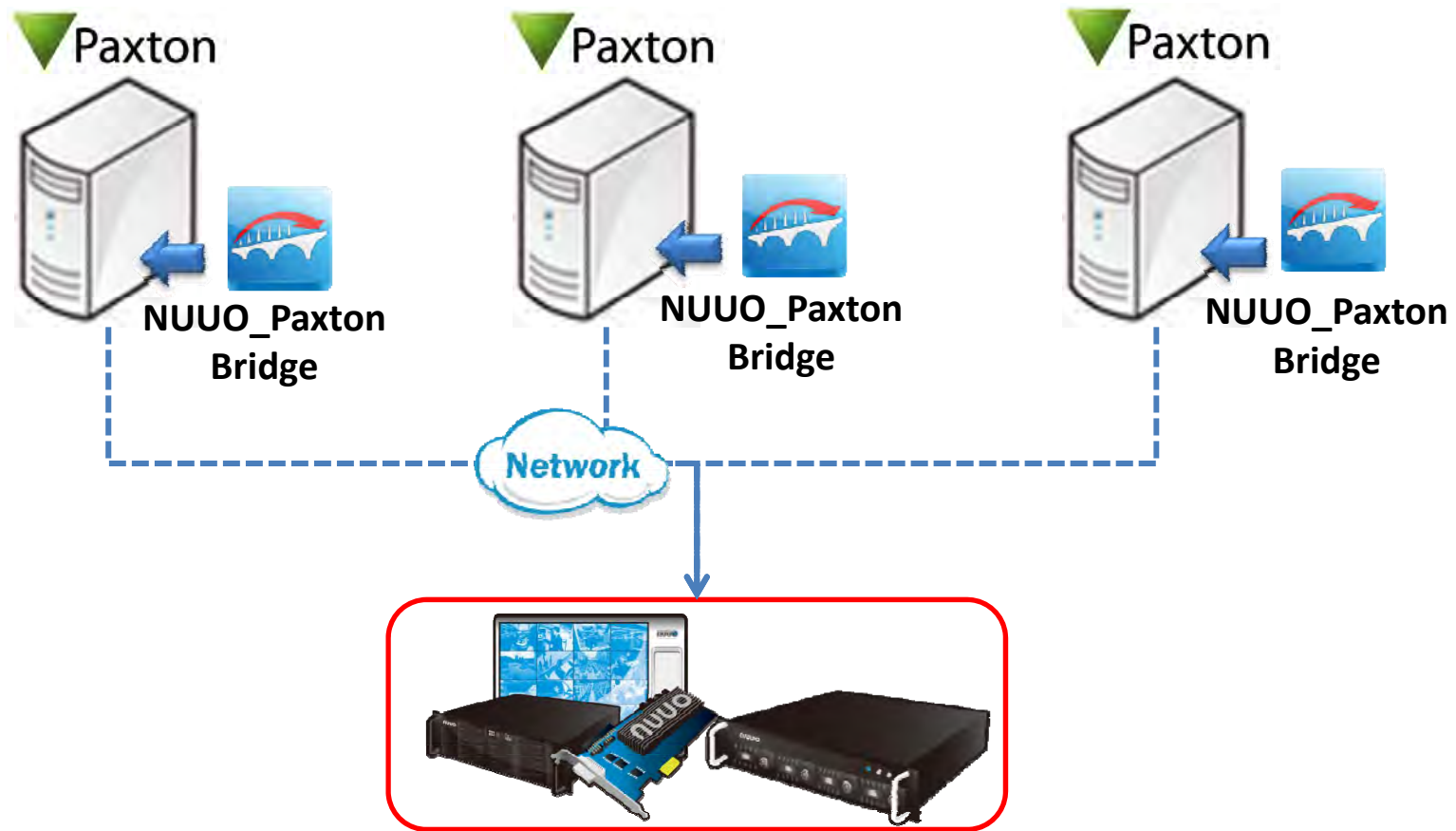
# Where should I install NUUO\_Paxton Bridge Service?

(2) For Crystal Titan



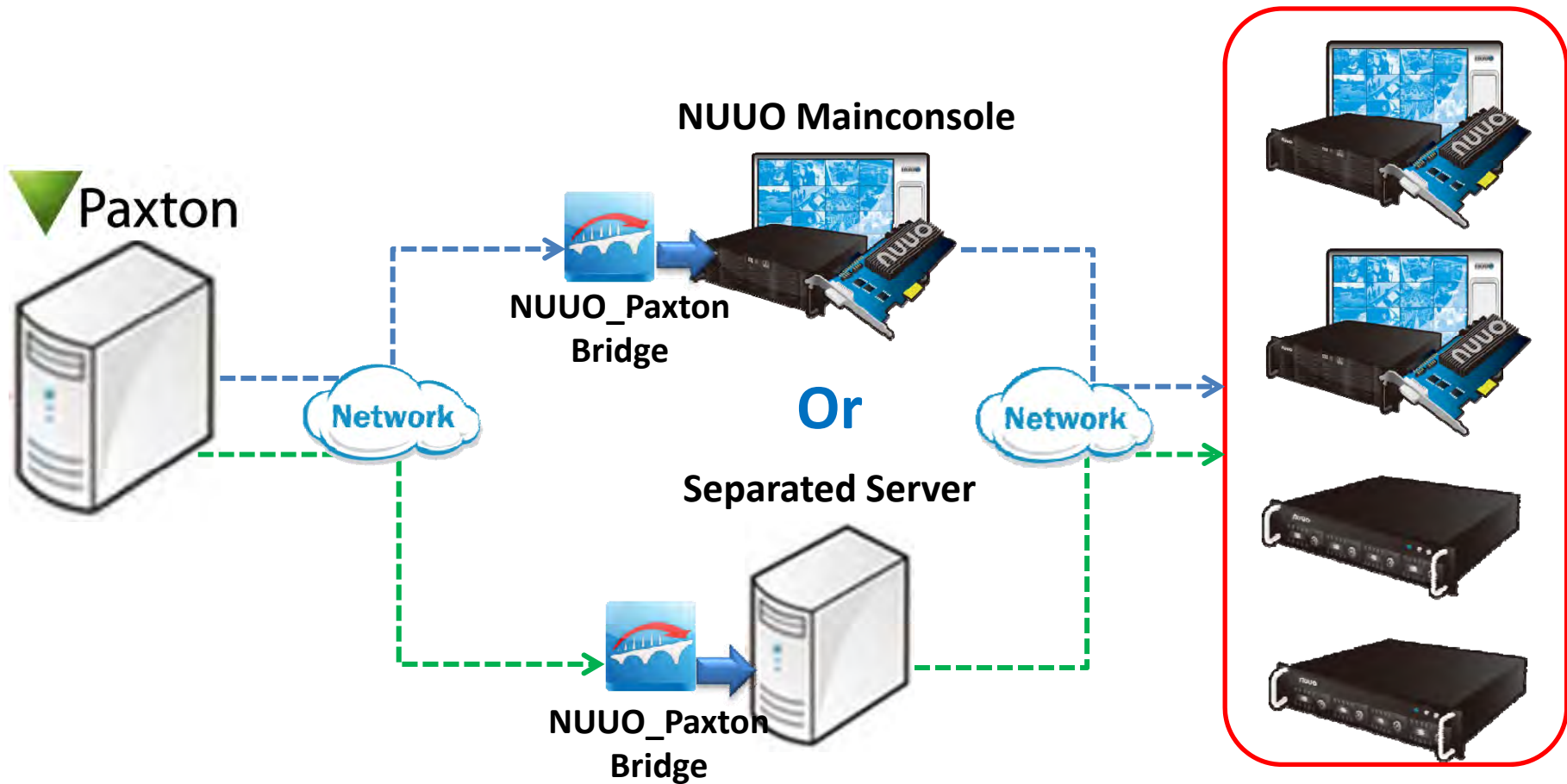
# Installation Scenarios

(1) If one NUUO Server would receive events from multiple Paxton Servers...



# Installation Scenarios

(2) If multiple NUUO Recording Servers would receive events from single Paxton Server...



# Key Features

Apr, 2014

**NUUO<sup>®</sup>**

# Key Features

- Link Paxton metadata with surveillance video
- Keyword search across multiple Paxton access control database
- 10 user-defined metadata events
- Instant actions for each Paxton access control event

# Link Paxton metadata with surveillance video

## Crystal Titan

The screenshot displays the Crystal Titan software interface. The main window shows a live video feed of a server room. Overlaid on the video is a metadata overlay with the following text:

```
-start-  
Time : 2014/3/19 17:33:07  
DoorAddr : 2017789  
User : test123  
CardNumber : 16684902  
EventTypeId : 20  
EventType : AccessPermittedCardOnly  
EventSubTypeId : 0  
EventSubType : None  
-- End --
```

The interface also includes a left sidebar with a 'View List' and 'Content List', a 'Properties' panel at the bottom left, and a status bar at the bottom with system information.



# Link Paxton metadata with surveillance video

**Mainconsole**

TRIAL  
CAM1 ZAVIO P5116 (10.0.4.47) 163Kbps 640x480 28fps  
Time : 2014/3/19 17:57:36  
DoorAddr : 2017789  
User :  
CardNumber : 0  
EventTypeId : 93  
EventType : DoorLeftOpen  
EventSubTypeId : 0  
EventSubType : None  
-end-

**CAM1 ZAVIO P5116 (10.0.4.47)**  
Time : 2014/3/19 17:57:36  
DoorAddr : 2017789  
User :  
CardNumber : 0  
EventTypeId : 93  
EventType : DoorLeftOpen  
EventSubTypeId : 0  
EventSubType : None  
-end-

ONIC

# Keyword search across multiple Paxton server

**Crystal Titan**

**Video Preview**

Event List

Search type: Metadata search

Start time: 2014/3/10 16:46:20

End time: 2014/3/10 18:46:20

Source: All


Criteria:  Match whole word  
 Match case  
 Advance setting

Wildcard character

Regular expression

Keyword: balance and

Time	Server	Source	Channel	Transaction
2014/03/10 18:17:42...	NVR Metadata ...	metadata source	metadata cha...	- Start -
2014/03/10 18:17:38...	NVR Metadata ...	metadata sour...	metadata cha...	- Start -
2014/03/10 18:17:32...	NVR Metadata ...	metadata source	metadata cha...	- Start -
2014/03/10 18:17:28...	NVR Metadata ...	metadata sour...	metadata cha...	- Start -
2014/03/10 18:17:22...	NVR Metadata ...	metadata source	metadata cha...	- Start -
2014/03/10 18:17:18.69	NVR Metadata ...	metadata sour...	metadata cha...	- Start -
2014/03/10 18:16:53...	NVR Metadata ...	metadata source	metadata cha...	- Start -
2014/03/10 18:16:48...	NVR Metadata ...	metadata sour...	metadata cha...	- Start -
2014/03/10 18:16:43.62	NVR Metadata ...	metadata source	metadata cha...	- Start -
2014/03/10 18:16:38...	NVR Metadata ...	metadata sour...	metadata cha...	- Start -



# Keyword search across multiple Paxton server

**Mainconsole**

**Cross servers**

**Video Preview**

The screenshot displays the Mainconsole interface. A 'Metadata Search Dialog' is open, showing a list of search criteria on the left, including 'pos-pos', 'test-test', '123-123', 'fake pos-fake p', 'BD TEAM-BD T.', 'WILL-WILL', 'QW-QW', 'bxfhg-bxfhg', 'POS-POS', and 'LPR-Intersectio'. The 'Date Time Period' is set from 2012/06/30 00:00:00 to 2012/07/31 15:38:35. The 'Keyword' field contains 'Oolong'. Below the dialog is a table of search results with columns for Date Time, Metad., and Transaction. The selected row is 2012/07/20 14:02:03, NUUO, DD22134614. To the right, a 'Video Preview' window shows a security camera feed of a person at a counter. The interface also includes a power button and various navigation controls at the bottom.

Date Time	Metad.	Transaction
2012/07/20 11:43:22	NUUO...	DD22134592 Page:1NUUO Inc.NO...
2012/07/20 11:47:57	NUUO...	DD22134593 Page:1NUUO Inc.NO...
2012/07/20 11:51:37	NUUO...	DD22134596 Page:1NUUO Inc.NO...
2012/07/20 11:52:35	NUUO...	DD22134599 Page:1NUUO Inc.NO...
2012/07/20 12:04:18	NUUO...	DD22134604 Page:1NUUO Inc.NO...
2012/07/20 12:05:19	NUUO...	DD22134605 Page:1NUUO Inc.NO...
2012/07/20 12:17:22	NUUO...	DD22134607 Page:1NUUO Inc.NO...
2012/07/20 12:20:24	NUUO...	DD22134610 Page:1NUUO Inc.NO...
2012/07/20 13:55:15	NUUO...	DD22134611 Page:1NUUO Inc.NO...
2012/07/20 14:02:03	NUUO...	DD22134614 Page:1NUUO Inc.NO...
2012/07/20 14:14:06	NUUO...	DD22134615 Page:1NUUO Inc.NO...
2012/07/20 14:14:24	NUUO...	DD22134616 Page:1NUUO Inc.NO...
2012/07/23 10:19:25	NUUO...	DD22134618 Page:1NUUO Inc.NO...
2012/07/24 09:54:05	NUUO...	DD22134627 Page:1NUUO Inc.NO...

DD22134614 Page:1  
NUUO Inc.  
NO: TEL:23622260

OperatorUser001  
P012012072000024  
2012/7/20 下午 02:02:55  
Oolong T(M) 9 45  
Sub 9 45  
Total 45  
Cash: 45  
VIP: 0

# Instant actions for each Paxton event

	Crystal Titan	Mainconsole
<b>Instant Actions</b>	<ul style="list-style-type: none"><li>- Email to multiple</li><li>- DO turn on</li><li>- Go to Preset</li><li>- Play alert sound</li><li>- Video edge display</li></ul>	<ul style="list-style-type: none"><li>- On Screen Display</li><li>- Play Sound</li><li>- Send E-Mail</li><li>- Phone Call</li><li>- PTZ Preset Go</li><li>- DI/DO</li><li>- SMS</li><li>- Central Server</li><li>- FTP</li><li>- E-Map</li><li>- Push Notification</li></ul>

# Escalation Flow *(Optional)*

Apr, 2014

**NUUO<sup>®</sup>**

# Sales Enquiry

- For NUUO customers who are interested in Paxton products

## Contact us



**+44 (0) 1273 811011**

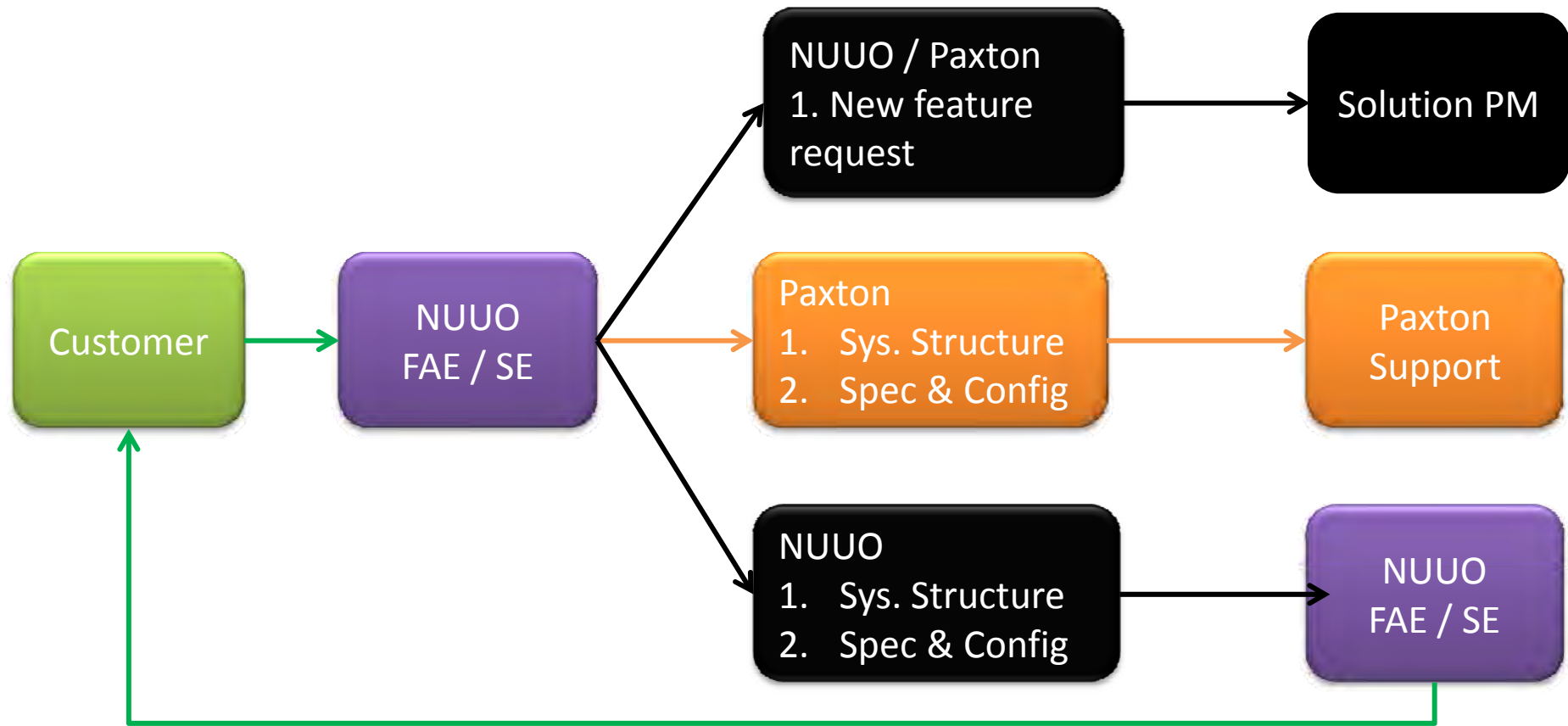


[support@paxton.co.uk](mailto:support@paxton.co.uk)



[Skype: paxton.support](https://www.skype.com/paxton.support)

# Project Support Flow



# Quick Setup Guide *(Optional)*

Apr, 2014

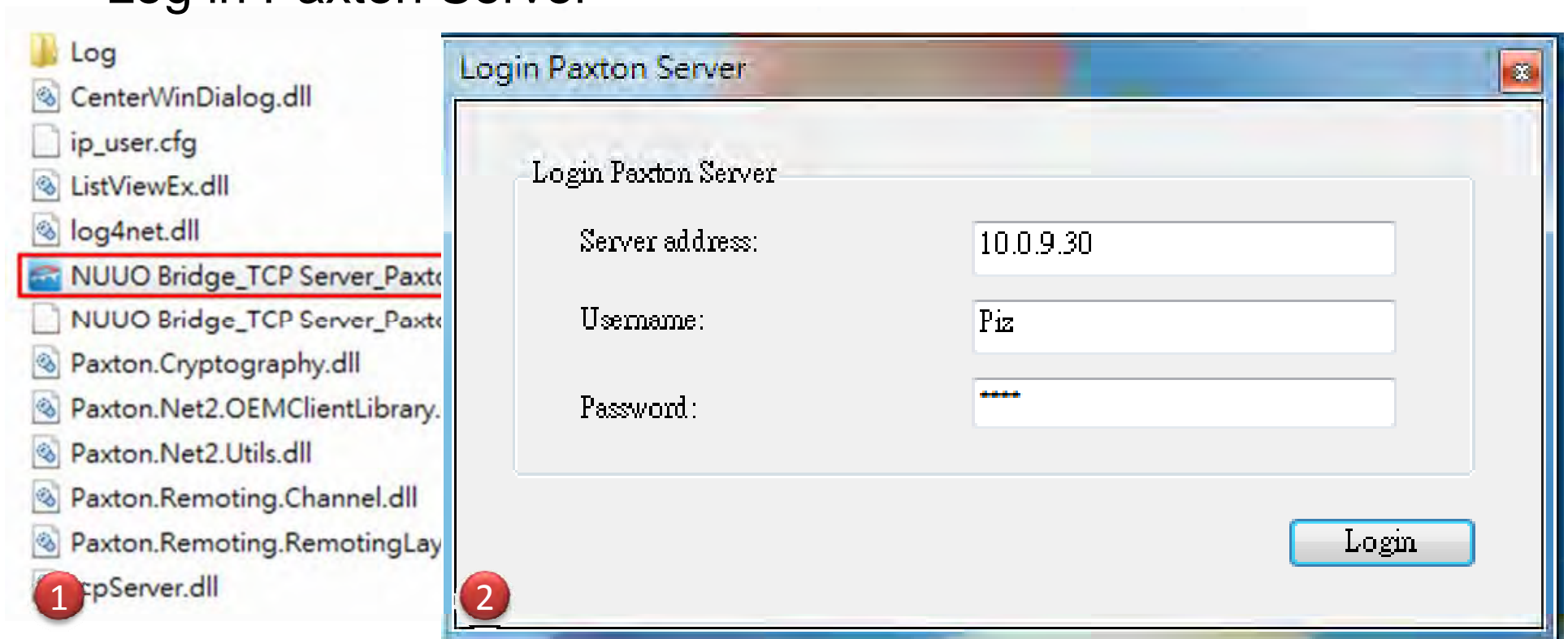
**NUUO<sup>®</sup>**



# NUUO\_Paxton Bridge Configuration

## Step 1

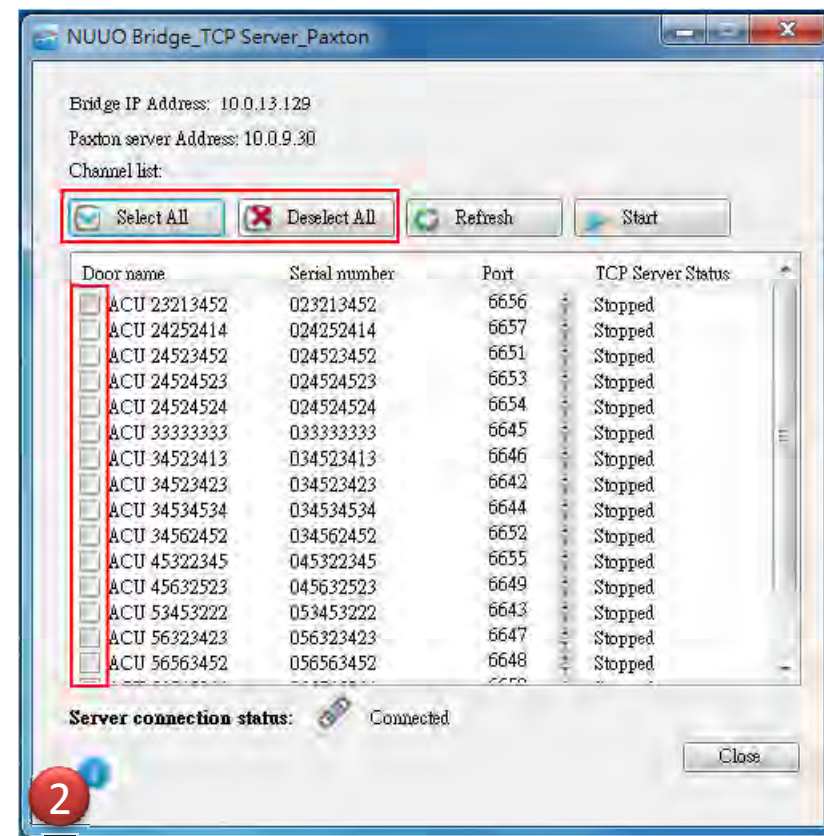
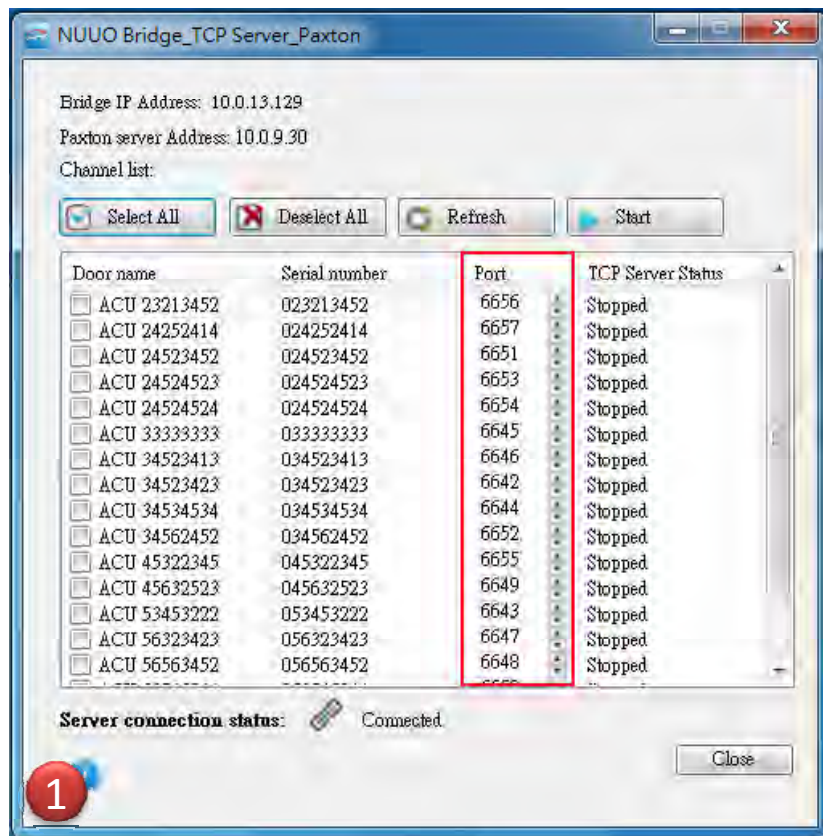
- Launch NUUO Bridge\_TCP Server\_Paxon .exe
- Log in Paxton Server



# NUUO\_Paxton Bridge Configuration

## Step 2

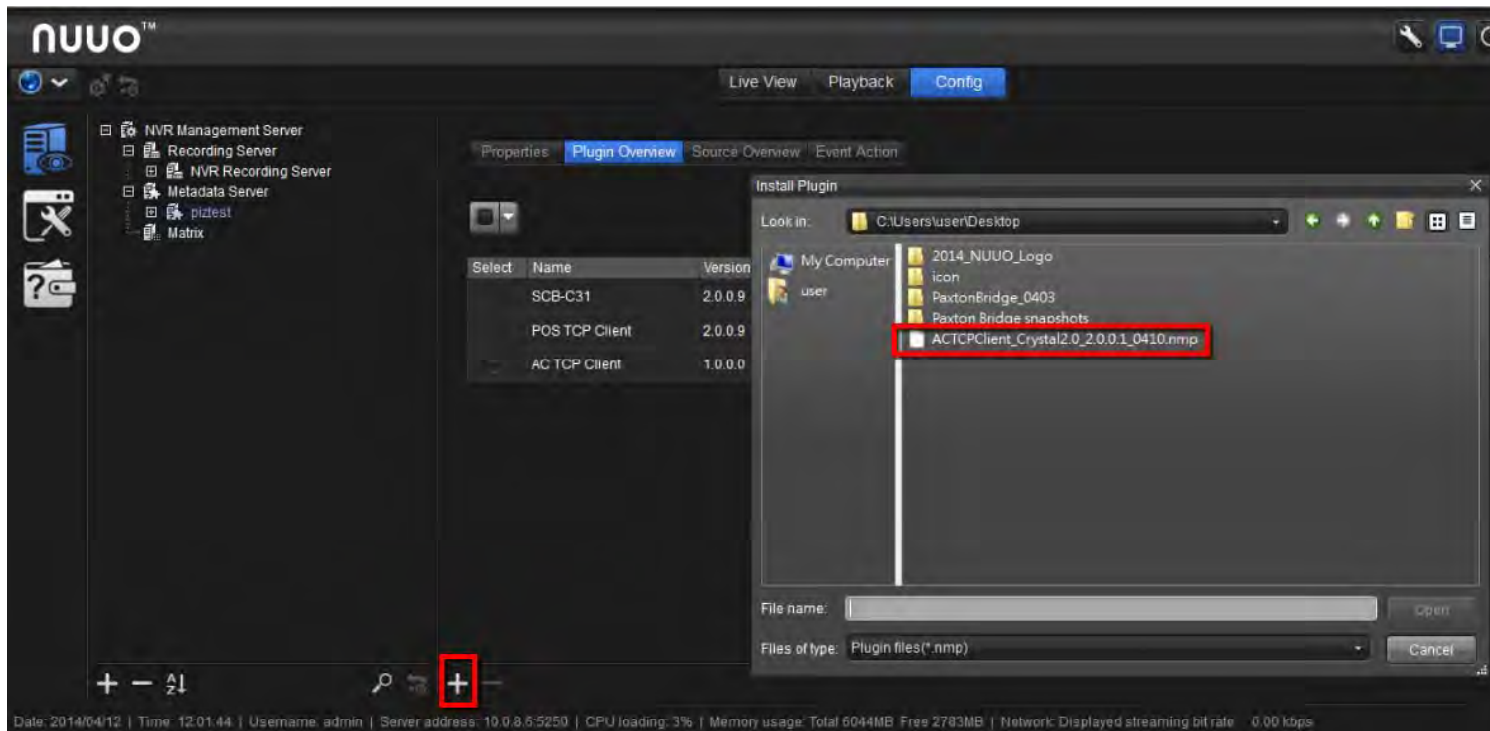
- Configure Port for NUUO recording server connection
- Select the door and start



# NUUO Crystal Configuration

## Step 1

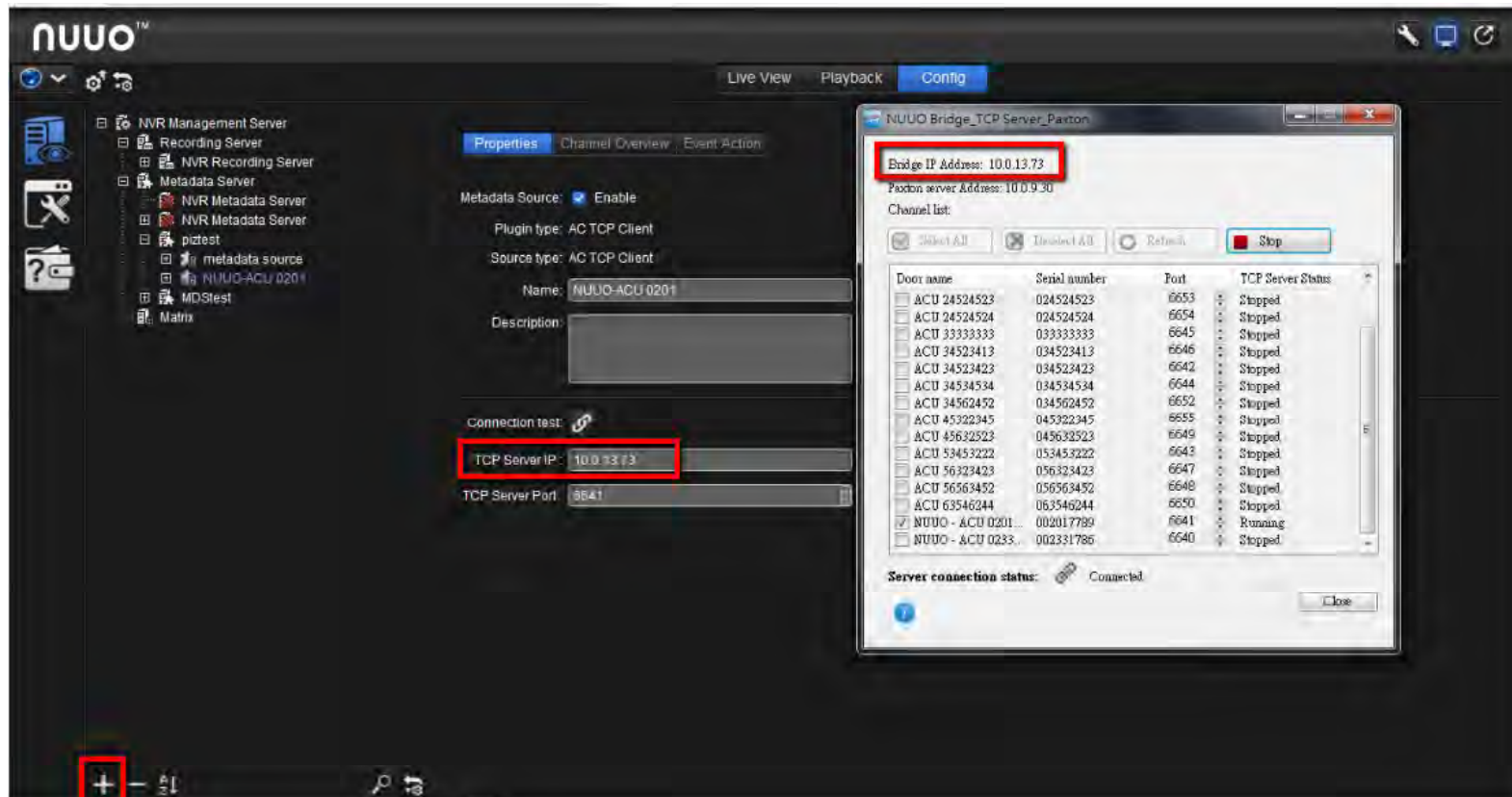
- Download Plugin from [website](#)
- Upload Plugin to Crystal Titan Metadata Server



# NUUO Crystal Configuration

## Step 2

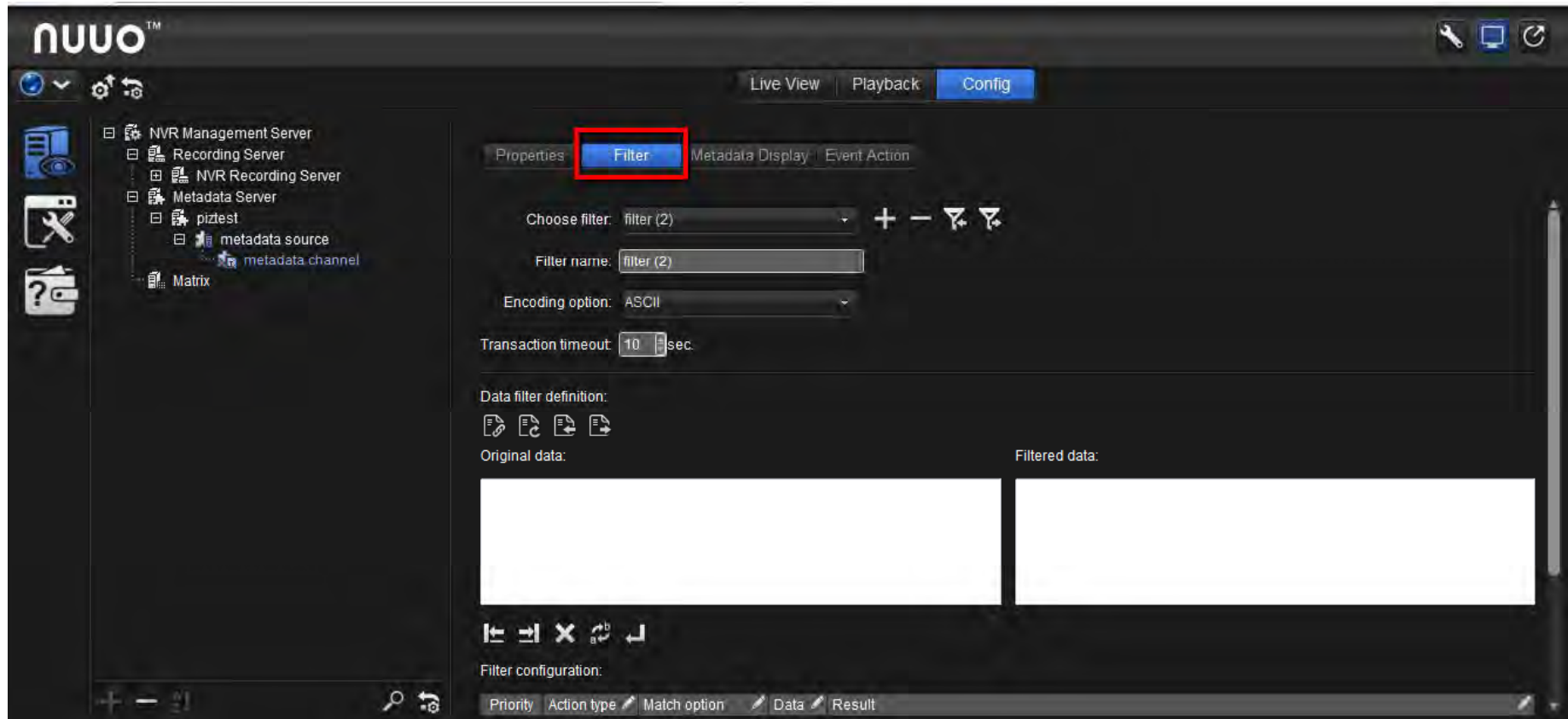
- Add metadata source (=door)
  - TCP Server IP = Bridge IP Address
  - TCP Server Port = Door Port



# NUUO Crystal Configuration

## Step 3

- Configure Metadata Channel: Filter and Metadata Display



# NUUO Crystal Configuration

## Step 4

- Configure Event Action of metadata server, source and channel

	Event	Action
<b>Server</b>	<ul style="list-style-type: none"><li>- Fail to write to drive</li><li>- Server disconnect</li></ul>	<ul style="list-style-type: none"><li>- Email to multiple</li><li>- Play alert sound</li></ul>
<b>Source</b>	<ul style="list-style-type: none"><li>- Connection lost</li></ul>	<ul style="list-style-type: none"><li>- Email to multiple</li><li>- DO turn on</li><li>- Go to Preset</li><li>- Play alert sound</li></ul>
<b>Channel</b>	<ul style="list-style-type: none"><li>- Transaction started</li><li>- Transaction stopped</li><li>- Not enough space for retention days</li><li>- 10 user-defined</li></ul>	<ul style="list-style-type: none"><li>- Email to multiple</li><li>- DO turn on</li><li>- Go to Preset</li><li>- Play alert sound</li><li>- Video edge display</li></ul>

# NUUO Mainconsole Configuration

## Step 1

- Add metadata sour(= door)
  - TCP Server IP = Bridge IP Address
  - TCP Server Port = Door Port

The screenshot displays two windows from the NUUO Mainconsole Configuration interface. The 'Metadata Application' window shows the 'Metadata Source Setting' for 'Paxton ACU 1'. The 'TCP Server IP' is set to 'Localhost' and the 'TCP Server Port' is set to '6640'. The 'NUUO Bridge\_TCP Server\_Paxton' window shows the 'Bridge IP Address' as '10.1.0.2' and the 'Paxton server Address' as '10.0.9.30'. Below these settings is a table of door configurations.

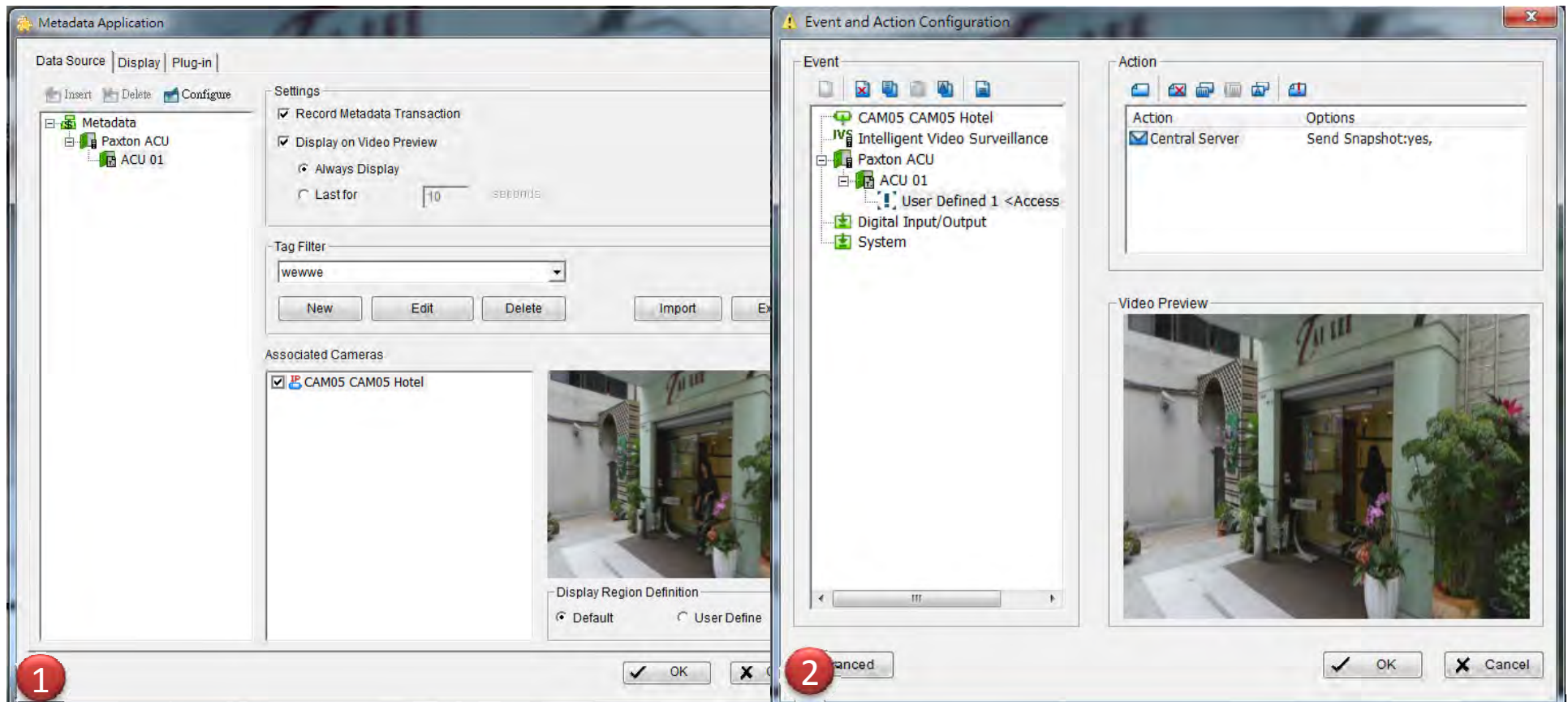
Door name	Serial number	Port	TCP Server Status
<input type="checkbox"/> ACU 24524523	024524523	6653	Stopped
<input type="checkbox"/> ACU 24524524	024524524	6654	Stopped
<input type="checkbox"/> ACU 33333333	033333333	6645	Stopped
<input type="checkbox"/> ACU 34523413	034523413	6646	Stopped
<input type="checkbox"/> ACU 34523423	034523423	6647	Stopped
<input type="checkbox"/> ACU 34534534	034534534	6644	Stopped
<input type="checkbox"/> ACU 34562452	034562452	6652	Stopped
<input type="checkbox"/> ACU 45322345	045322345	6655	Stopped
<input type="checkbox"/> ACU 45632523	045632523	6649	Stopped
<input type="checkbox"/> ACU 53453222	053453222	6643	Stopped
<input type="checkbox"/> ACU 56323423	056323423	6647	Stopped
<input type="checkbox"/> ACU 56563452	056563452	6648	Stopped
<input type="checkbox"/> ACU 63546244	063546244	6650	Stopped
<input checked="" type="checkbox"/> NUUO - ACU 0201...	002017789	6641	Running
<input checked="" type="checkbox"/> NUUO - ACU 0233...	002331786	6640	Running

Server connection status: Connected

# NUUO Mainconsole Configuration

## Step 2

- Configure filter, display format and associated camera in Metadata Application
- Configure event action in Smart Guard





**Thank you**

Apr, 2014

**NUUO<sup>®</sup>**