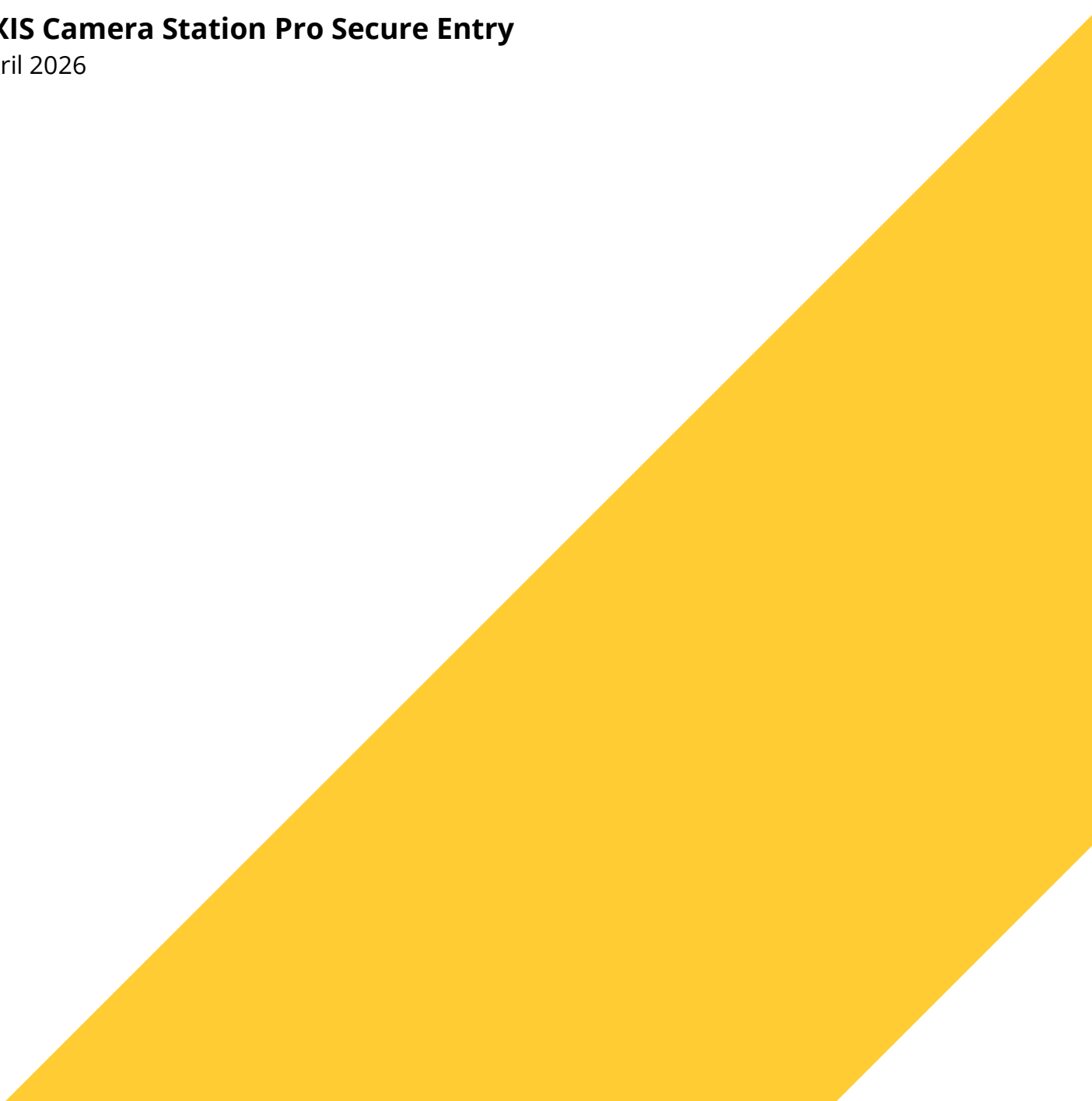


How-to Configure Multi-Server for Access Control

AXIS Camera Station Pro Secure Entry

April 2026

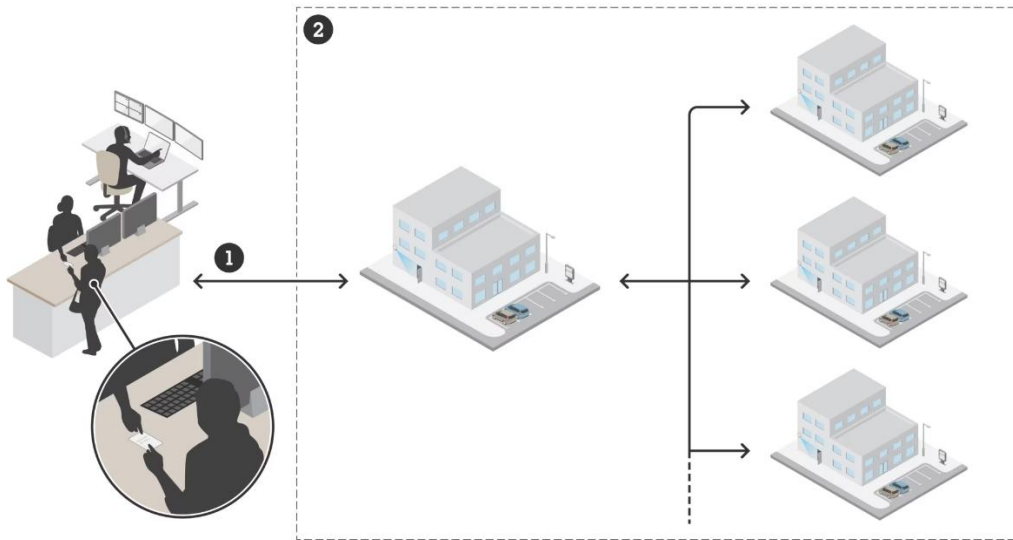


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Introduction

AXIS Camera Station Pro and Secure Entry have multi-server features. This document will help you to configure multi-server for access control, covering how to set it up, what features are included and any limitations. For more on multi-server in the main AXIS Camera Station environment please find this on the AXIS Camera Station Pro product page.



AXIS Camera Station Secure Entry Multi-server system architecture

1. Client-to-Server Remote Access (via [AXIS Secure Remote Access v2](#))

- Supports cross-network connections for remote access.
- A single client can connect to and manage multiple Secure Entry servers.
- Each server can be managed independently from the same client.
- Full support for device management, door configuration, and access control management.
- Provides an aggregated view for door status, door control, and event logs with video view links across all connected servers.

2. Multi-Server Architecture for Cardholder Management

- Operates within a local network environment only.
- A designated main server automatically synchronizes global cardholders and cardholder groups to all local servers.
- Up to 64 Secure Entry servers can be grouped into a single multi-server system.

Please note that Axis doesn't take any responsibility for how this configuration may affect your system. If the modification fails or if you get other unexpected results, you may have to restore the settings to default.

Prerequisites

AXIS Camera Station 6.16 or higher

AXIS Door Controller 12.9.65.3 or higher

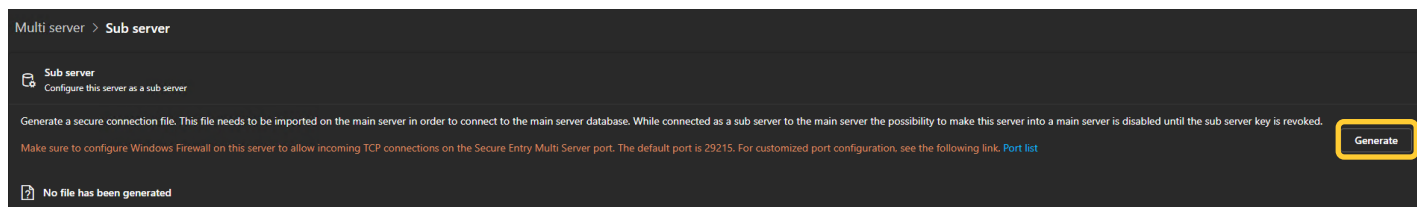
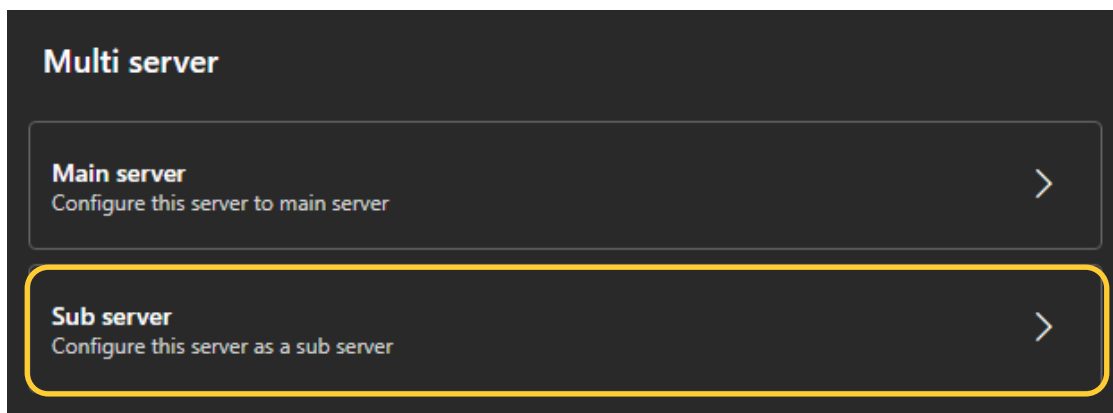
Step 1 – Creating the Main/Sub server

We start by opening AXIS Camera Station on the server we wish to allocate as the Sub server. This will allow us to create global cardholders from this server

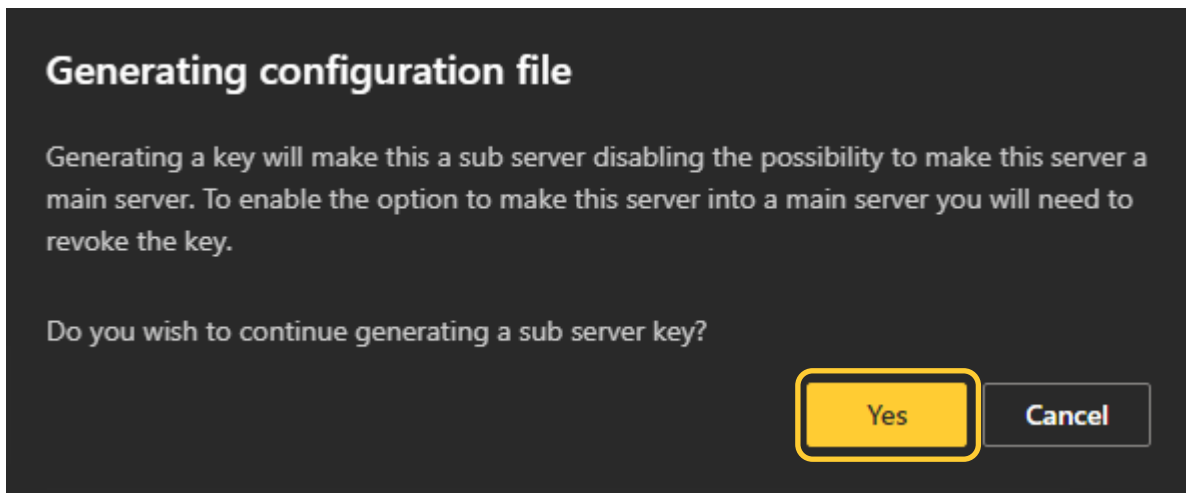
To create the Sub server

Follow these steps to create the Sub server:

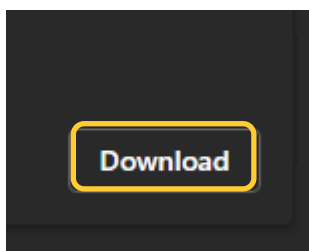
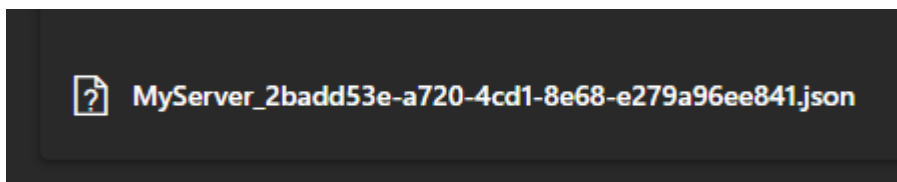
1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. From the left menu select “Access control” and under this drop-down select “Multi server”
3. On this page select “Sub server” then select “Generate”



4. A pop-up will appear to generate the configuration key file which will prevent this server from being a main server while this key is active. Press “Yes” to continue



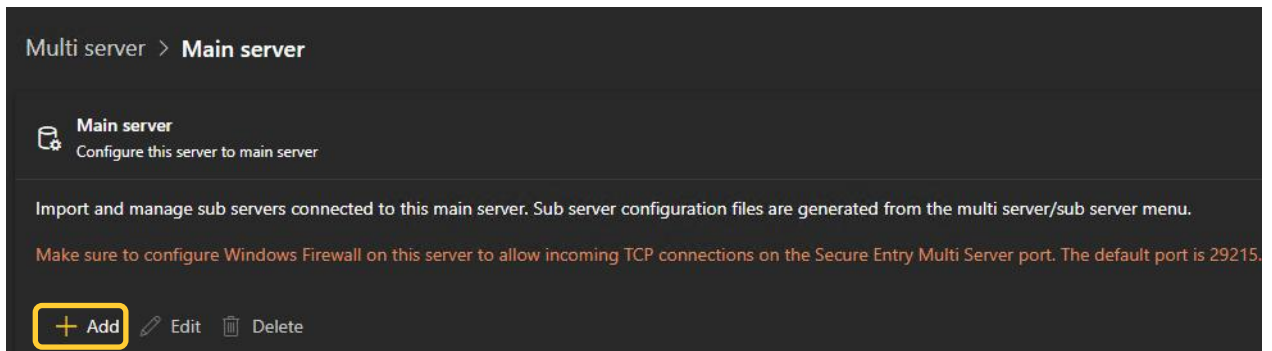
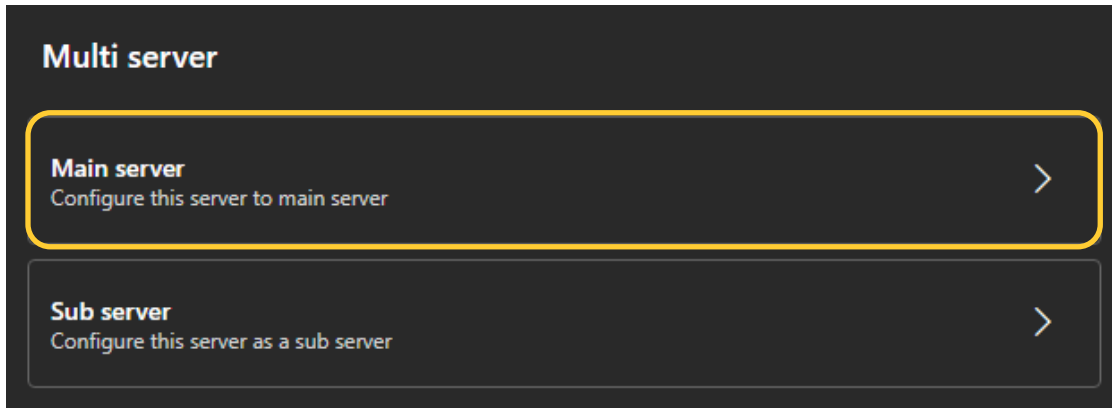
5. Download the file and transfer this to the main server, noting down the name and the IP address of this Sub server.



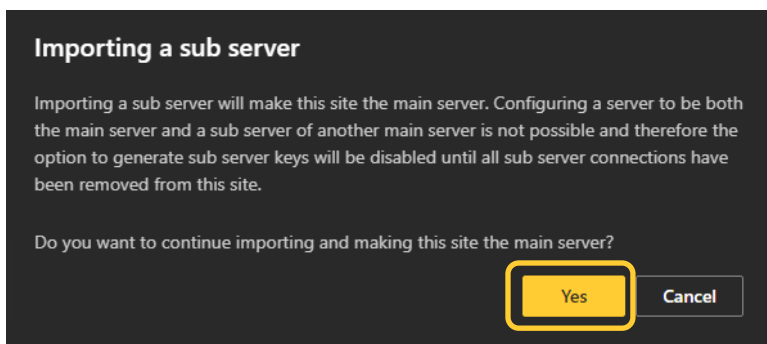
To create the main server

Follow these steps to create the Main server:

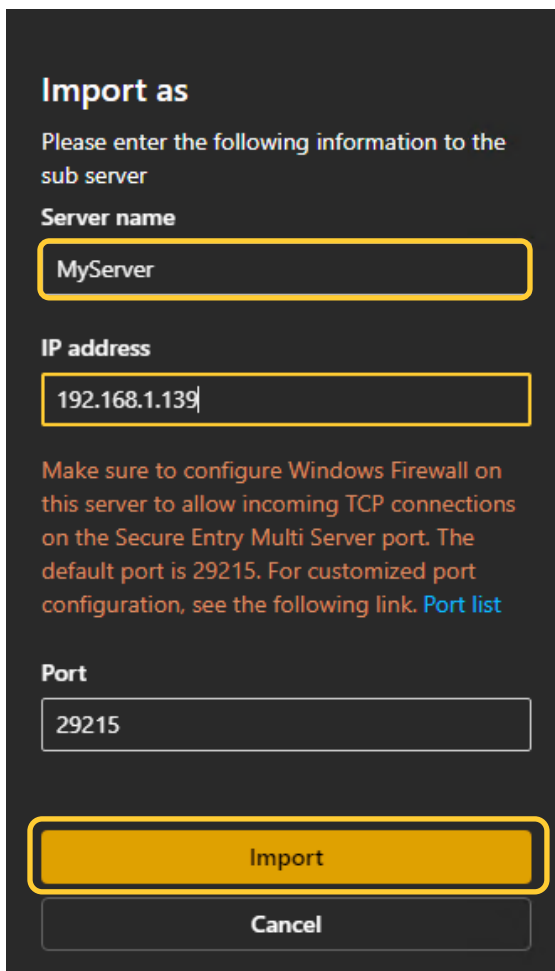
1. In Axis Camera Station open the configuration tab via the “+” symbol found at the top of the screen.
2. From the left menu select “Access control” and under this drop-down select “Multi server”
3. On this page select “Main server” and select the “+ Add” button.



4. A pop-up will appear explaining that you are assigning this as the main server, not allowing this server to be able to become a Sub server while any Sub servers are connected. Press “Yes”



5. In the file explorer select the Configuration key file we created and moved from the Sub server. And fill in the 2 areas with the friendly name and the IP address of the server. The port can remain default unless a specific port is used by your choice. Finally click “Import”



- Now you configured your main server and added the first sub server, you can repeat the Sub server steps and continue to add the Sub servers to the main site if needed. On the Main server page, you will see these servers listed with their current status. This should be green stating “Connected”. If this is yellow stating “Dis-connected” please ensure you provided the correct key and matched the right IP address. These must also be in the same IP network system

Name	Host	Port	Status
MyServer	192.168.1.139	29215	Online

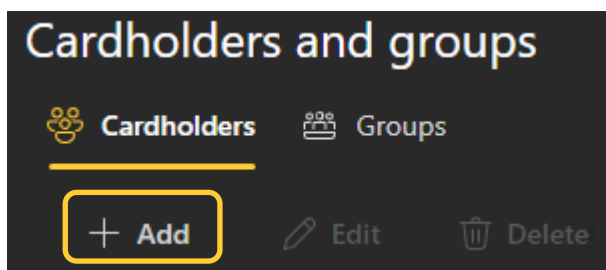
Step 2 – Creating Global cardholders

Now that the Sub servers are linked to the Main server we can create Global cardholders on the main site, these will then show up in the Sub server cardholder list so they can be given the correct access rights at each Sub server location.

Creating a Global cardholder

Follow these steps to create a Global cardholder:

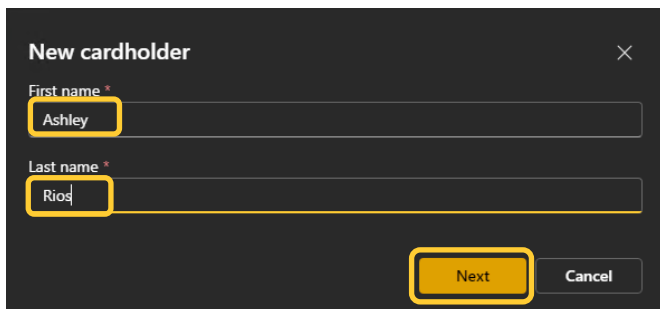
- In Axis Camera Station open the Access Management tab via the “+” symbol found at the top of the screen.
- On the left side panel click “+add” to start creating a cardholder.



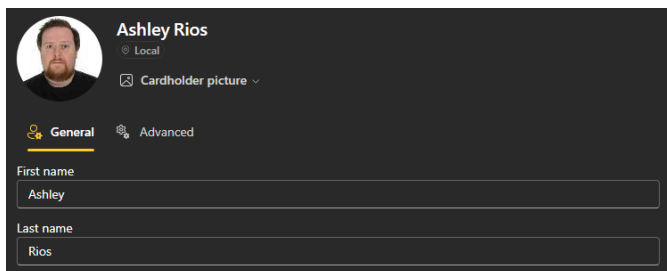
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3. Fill in the user's name, details and add the correct credentials for the cardholder,

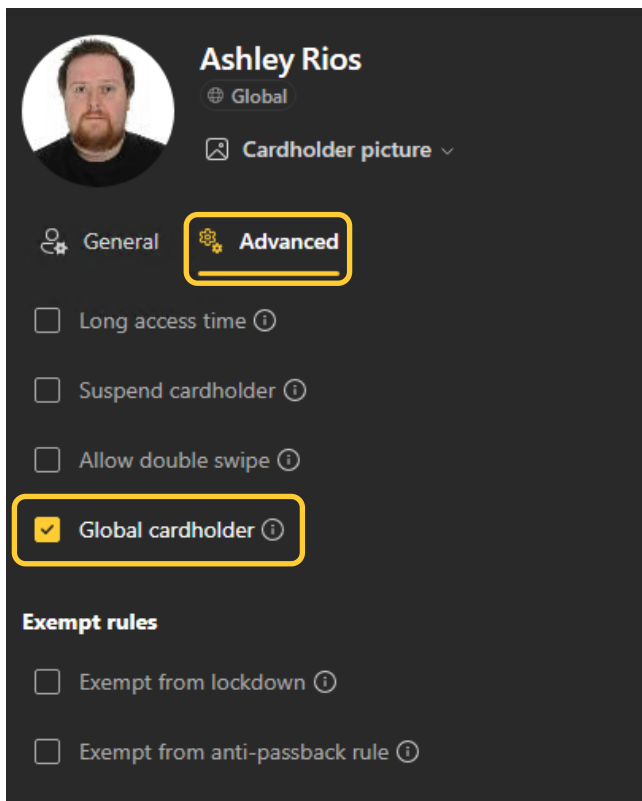


The screenshot shows a 'New cardholder' dialog box. It has a title bar with a close button. Below the title, there are two text input fields: 'First name *' containing 'Ashley' and 'Last name *' containing 'Rios'. At the bottom right, there are two buttons: 'Next' and 'Cancel'.



The screenshot shows the cardholder profile for 'Ashley Rios'. It features a profile picture, the name 'Ashley Rios', and a 'Local' status. There is a 'Cardholder picture' option. Below this, there are two tabs: 'General' (selected) and 'Advanced'. Under the 'General' tab, the 'First name' and 'Last name' fields are filled with 'Ashley' and 'Rios' respectively.

4. To then make this cardholder a Global cardholder select the "advanced" tab to view additional options. Now we can tick the "Global cardholder" tickbox and select "Save" at the top of the screen.



The screenshot shows the 'Advanced' tab of the cardholder profile for 'Ashley Rios'. The 'Global' status is now selected. The 'Advanced' tab is highlighted. There are several options with checkboxes: 'Long access time', 'Suspend cardholder', 'Allow double swipe', and 'Global cardholder' (which is checked). Below these are 'Exempt rules' with options for 'Exempt from lockdown' and 'Exempt from anti-passback rule'.

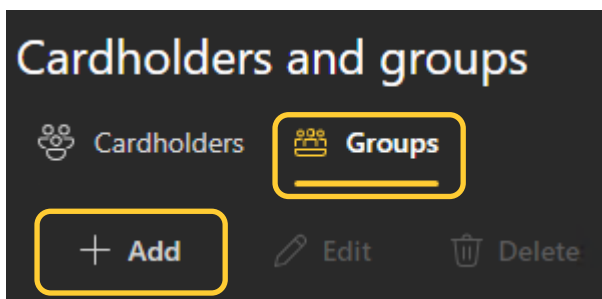
Step 3 – Creating Global groups

Now that the global cardholders have been created, we can create Global groups on the main site, these will then show up in the Sub server group list so they can be given the correct access rights at each Sub server location.

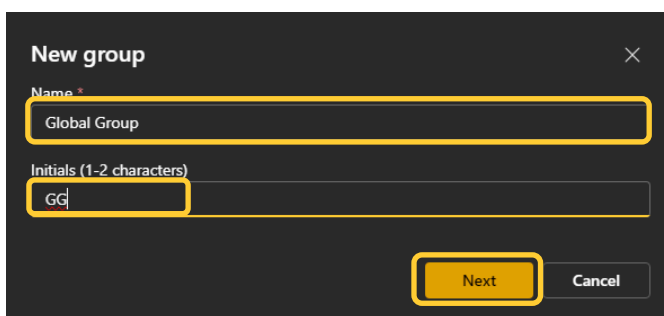
Creating a Global group

Follow these steps to create a Global group:

1. In Axis Camera Station open the Access Management tab via the “+” symbol found at the top of the screen.
2. On this page, select the Groups option to view groups, below this select the “+Add” button.



3. Here you can give the group a name and initials, then click next, and then tick the “Global” box to make the group global. From this page, you can already add the cardholders you wish to be a member of this group. Other members can still be added or removed at a later stage. Then click “Add”



Initials (1-2 characters) GG

Name * Global Group

Global

+ Add Delete

First name ↑

Ashley

Step 4 – Managing Global cardholders

Once we have created the Global cardholders and groups from the Main server, we can now view these on the linked Sub server to apply to the rules.

Managing Global cardholders on Sub servers

Follow these steps to manage the Global cardholders on Sub servers:

1. From the Sub Server ACS client open the Access Management tab via the “+” symbol found at the top of the screen.
2. In the cardholder panel you can now see the Global cardholders and groups that were created via the main site, on the right of the cardholder is an information bubble stating if the user or group is “global” or “Local”.

Cardholders and groups

Cardholders Groups

+ Add Edit Delete Suspend Credentials

First name ↑	Last name	Group	Status	Origin
<input type="checkbox"/> Alexander	Strandberg	1		<input type="radio"/> Local
<input type="checkbox"/> Ashley	Rios	2		<input checked="" type="radio"/> Global

3. These Global cardholders can be then added to any of the local Sub server groups and access rules like the current local cardholders.

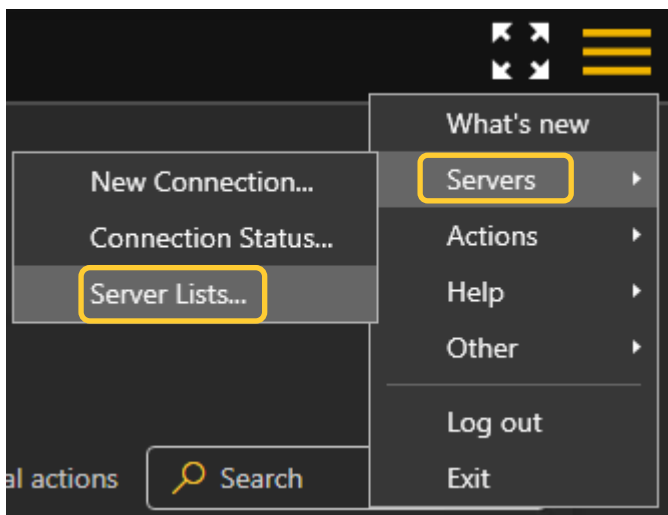
Step 5 – Adding Monitoring Sub server controllers

Now that we have the cardholders accessible, we can also configure to view the Sub server controllers from the Main server

Adding the server view to the Main ACS client.

Follow these steps to add the Sub server(s) to the Main server:

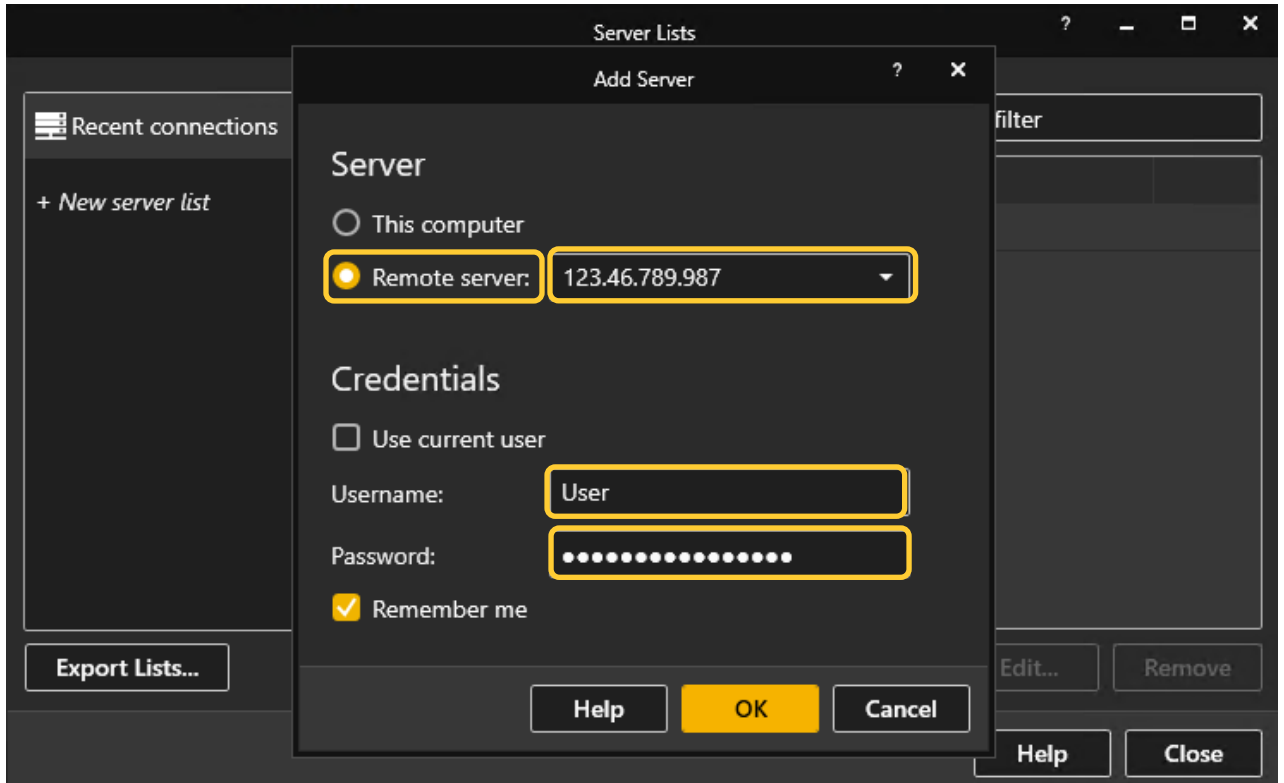
1. Click the three stacked line or “burger” symbol in the top right of the client application and choose Servers then Server Lists.



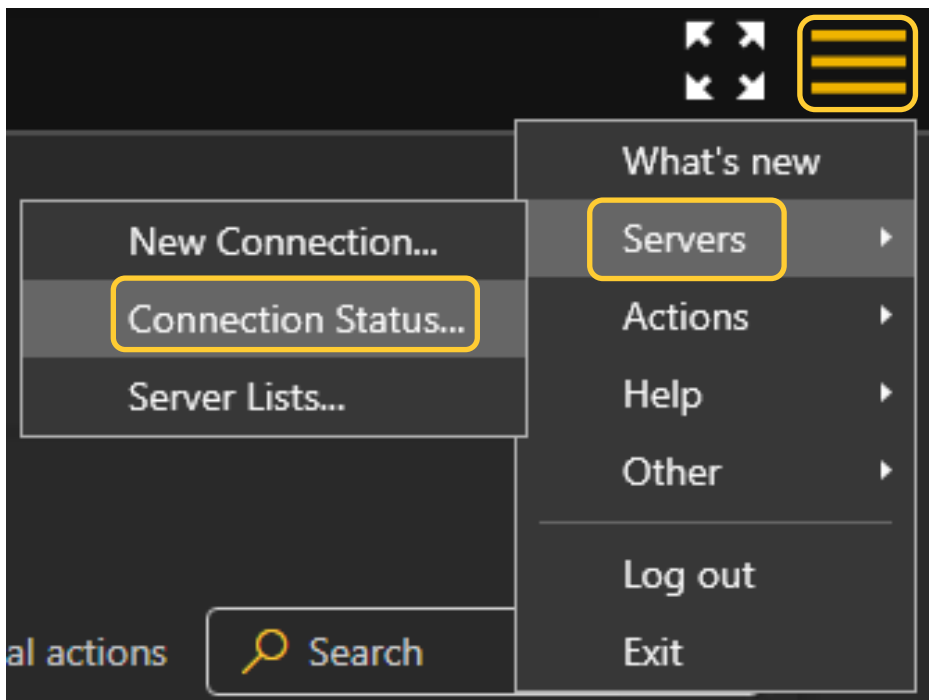
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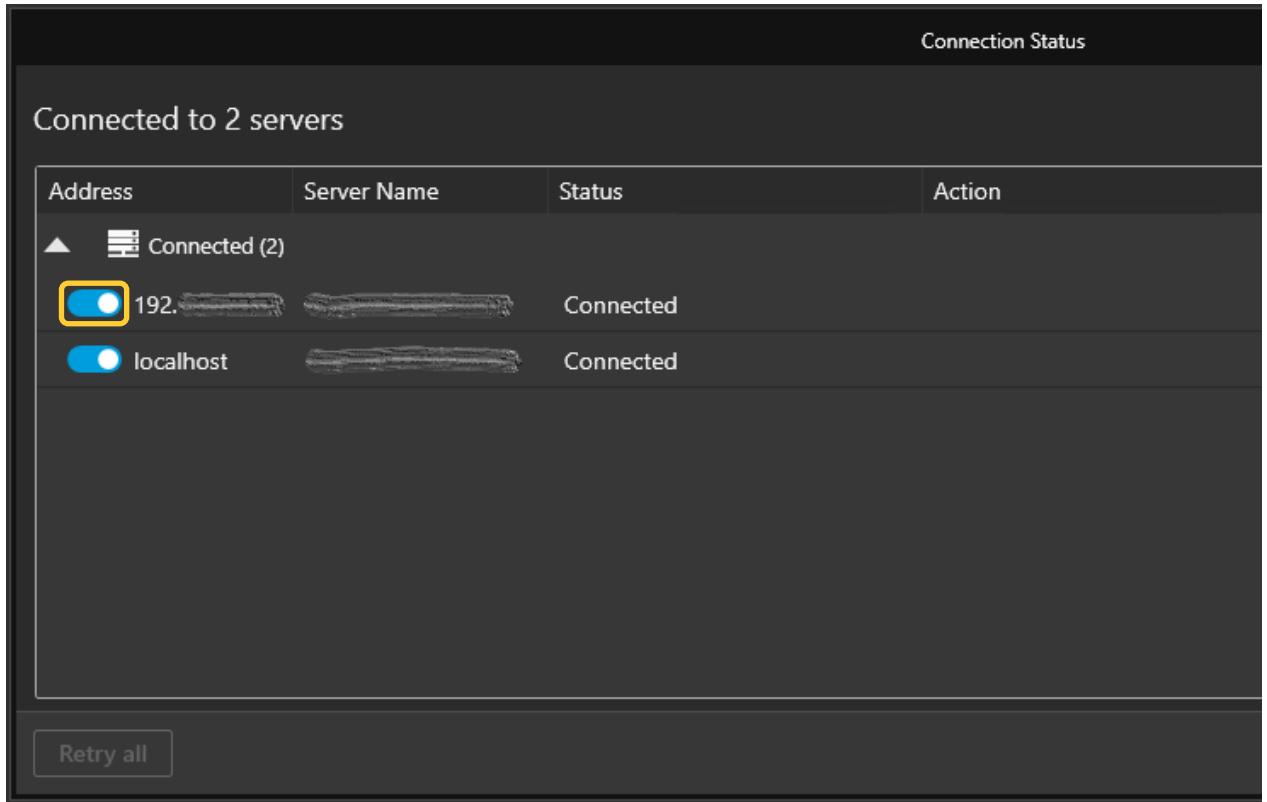
2. In the pop-up select “Add” then in the next pop-up select remote server. In the fields provide the IP address, then the username and password. Finally Select “OK”



3. Go To the “Connection Status” by clicking the 3 lines top right again and selecting “Servers” then “Connection Status”



4. In this new pop-up ensure that the remote servers are enabled.



Step 6 – Multi Server monitoring and assistance

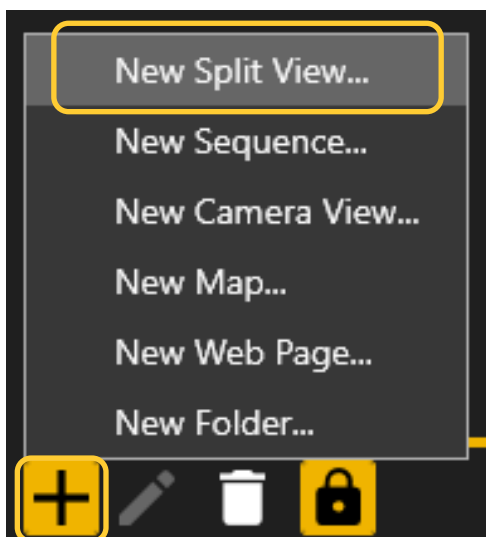
An operator, using AXIS Camera Station Secure Entry, has the possibility to monitor door statuses in real-time across multiple sites in the same split view.

An operator, using AXIS Camera Station Secure Entry, can grant access and enforce manual override actions on doors from different sites within the split view and at the same time visually verify cardholders' identities using the camera views.

Creating a split view with door dashboards from a remote site

As the support for remote views in AXIS Camera Station is limited to Cameras and Split views the door dashboards need to be included in a split view locally top be viewed remotely.

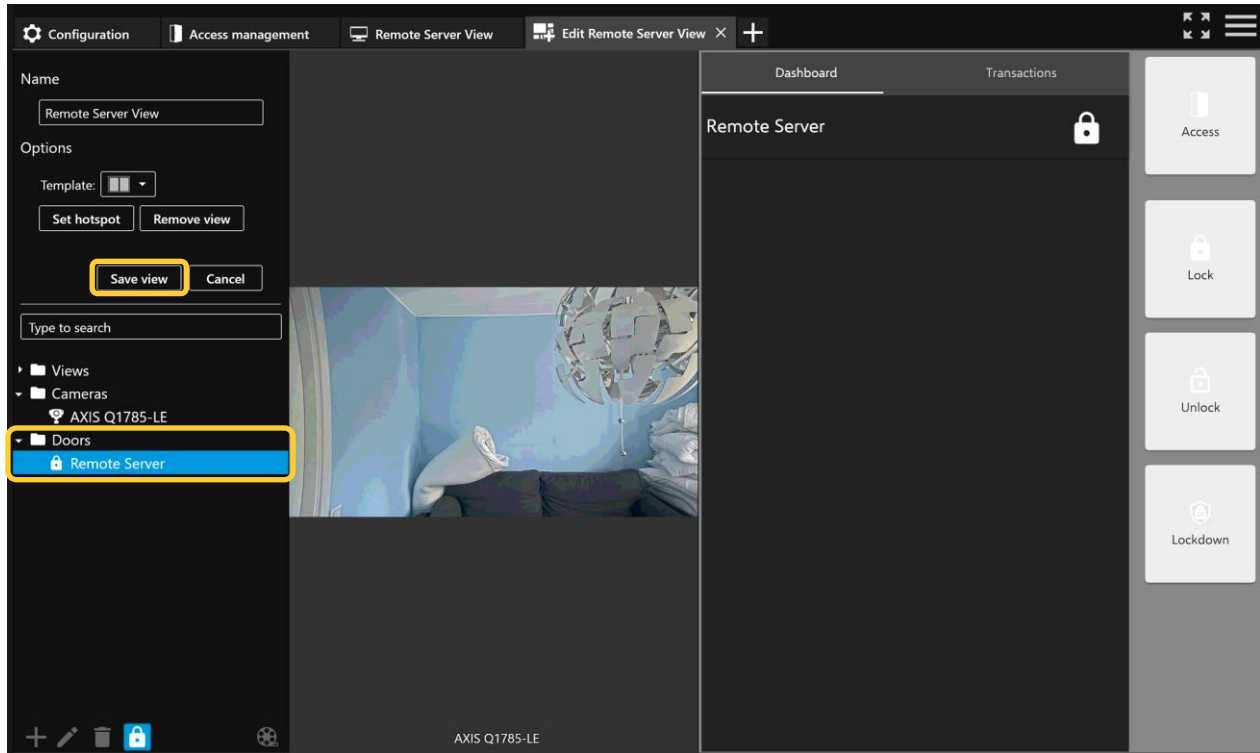
1. While being locally connected to the sub server that has the doors you want to monitor remotely open a live view tab, press the +-button and select to create a new split view.



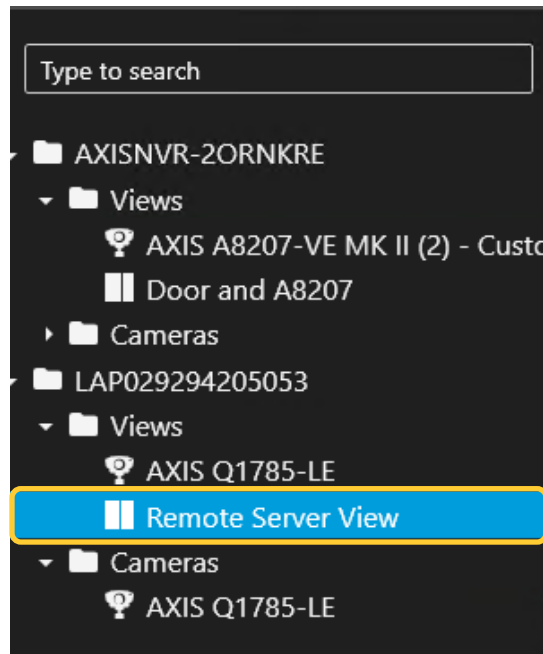
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2. Create views containing the door dashboards and any cameras you wish to be viewed remotely. Give this a relative name and save the view. Then save the view



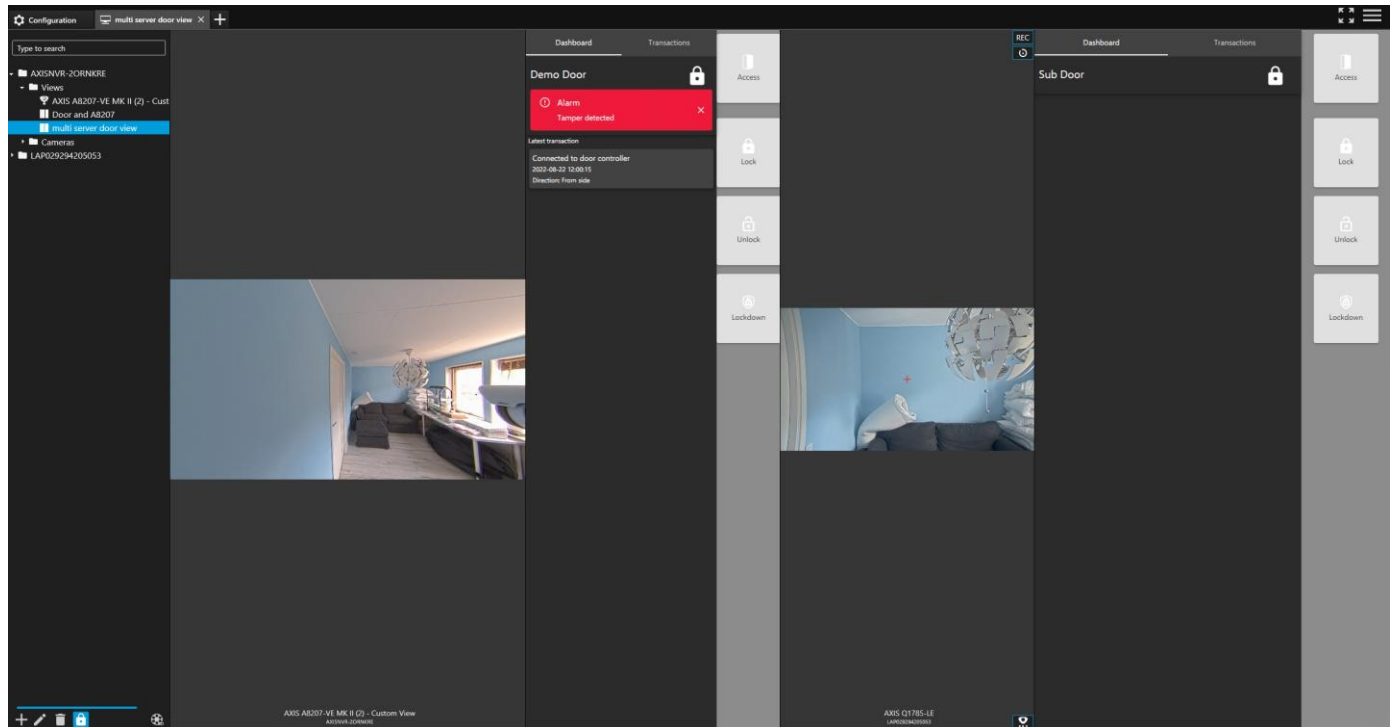
3. Now from the main server you can see the newly created local/sub server split view in the live view list



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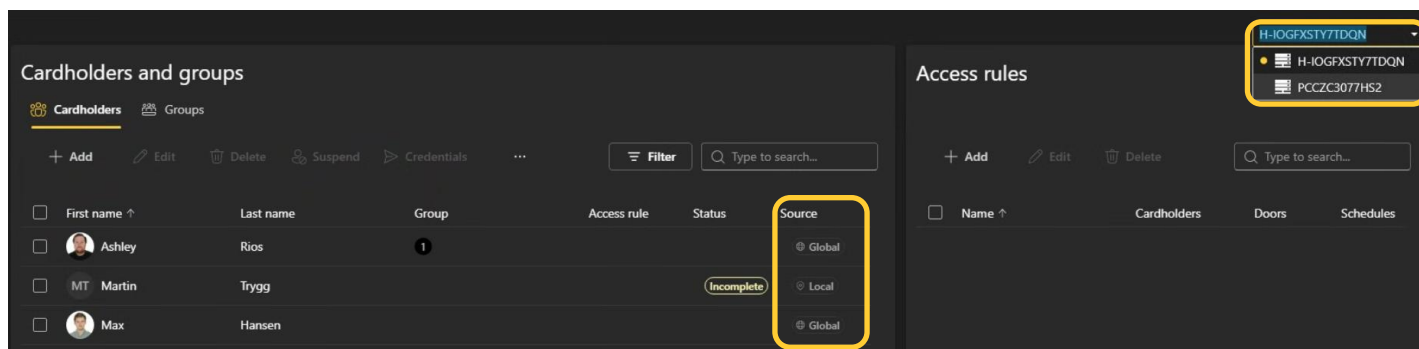
4. On the main server, note that you can now create a split view contains door dashboards from all connected servers and can pull all into a split view configuration. With this mixed split view configuration, you can do live monitoring as well as control the doors from any remote client.



Managing different servers users from one client

Follow these steps to manage different local servers cardholders from one client:

1. Using the steps provided in followed step 5 and ensure you have added all related servers you wish to manage cardholders on.
2. From the ACS client open the Access Management tab via the “+” symbol found at the top of the screen.
3. You can now see all local cardholders, rules and global cardholders on the selected server.
4. To easily manage cardholders on connected systems, using the dropdown found top right you can select the server you want to manage at that time, this will then show you the local cardholders and rules for that server, Global will always be presented.



Step 7 – Multi Server investigation

An operator, using AXIS Camera Station Secure Entry, can search through the access control events from all connected sites at the same time and investigate together with video recordings linked to the individual split views.

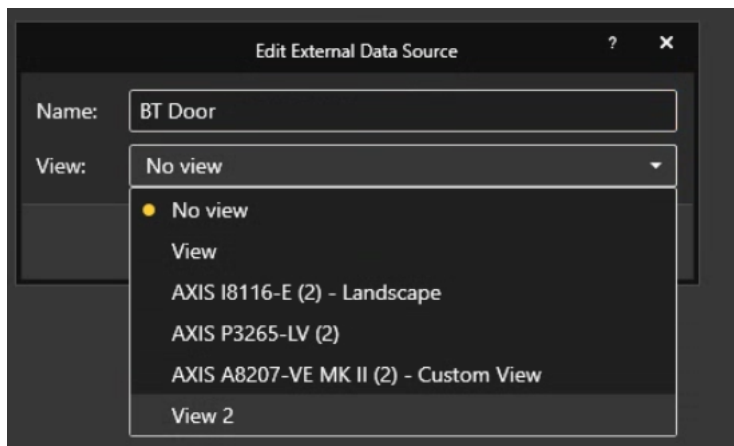
Linking a camera view to a door

To enable automatic recordings on door events we need to link the data source to the door.

1. From the configuration tab, select “Devices” then “External data sources”.
2. On this page you will see a list of all you existing doors in the system, currently stating “No view”

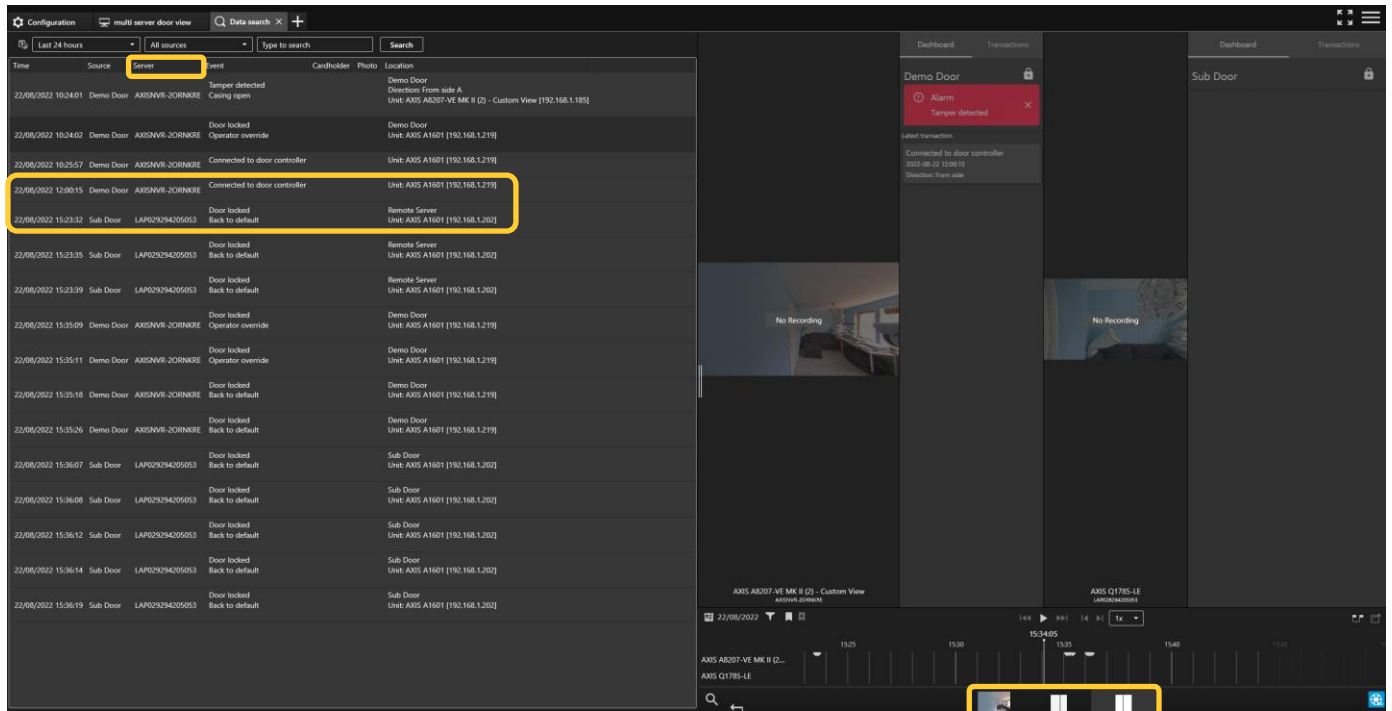
Name	Source key	View	Component	Server
Exit	ed612f65-eccf-4af6...	No view	AXIS Secure Entry 2...	H-IOGFXSTY7TDQN
BT Door	0863f0ce-0792-426...	No view	AXIS Secure Entry 2...	PCCZC3077HS2
Lobby	740f9fc1-3fa7-40b...	No view	AXIS Secure Entry 2...	PCCZC3077HS2
Warehouse	85efc5d8-73f7-4af6...	No view	AXIS Secure Entry 2...	PCCZC3077HS2
Guest Room	881017fd-af48-4e7...	No view	AXIS Secure Entry 2...	PCCZC3077HS2
Gate	42ffa3a6-2b19-4cb...	No view	AXIS Secure Entry 2...	PCCZC3077HS2

3. Select the door you wish to add the camera view to and press edit found bottom right, in the new pop-up window you can expand the “view” dropdown and select the device you want to link for capturing during door events.
4. This dropdown will also be populated with doors and cameras across all connected servers. **Note that only cameras on the same server as the door can be linked.**



Investigating an incident in the data search tab

When a client is connected to multiple servers an operator can simply open the Data search tab, in the server column identify the name of the server that is the origin of the event and open the relevant view from under the recordings overview section on the right hand side of the screen



22/08/2022 12:00:15	Demo Door	AXISNVR-2ORNKRE	Connected to door controller	Unit: AXIS A1601 [192.168.1.219]
22/08/2022 15:23:32	Sub Door	LAP029294205053	Door locked Back to default	Remote Server Unit: AXIS A1601 [192.168.1.202]

Considerations and limitations

1. Multi server for Secure Entry configuration requires to be on the same network.
2. You can have up to 64 servers connected to the main server.
3. Ensure that the required ports are opened for communication between the main and sub servers. (Default port for Secure Entry Multi-server is 29215)
4. Action rules for doors can only be created with the local doors to the server.
5. Action rules from door triggers to cameras across servers is not natively supported, but can be achieved over HTTPS commands.
6. Schedules are only used from the local server.
7. Doors can only be viewed per local server in the Doors and Zones list. (All devices including controllers from all servers will be show in the ACS Device management page)