

XPressEntry

XPressEntry / CCURE 9000 REST Integration

Revision 07/24/2023

For use with the
XPressEntry Mobile Access Control
System

By



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Purpose

This document intends to instruct users on how to synchronize an XPressEntry system with the CCURE 9000 system.

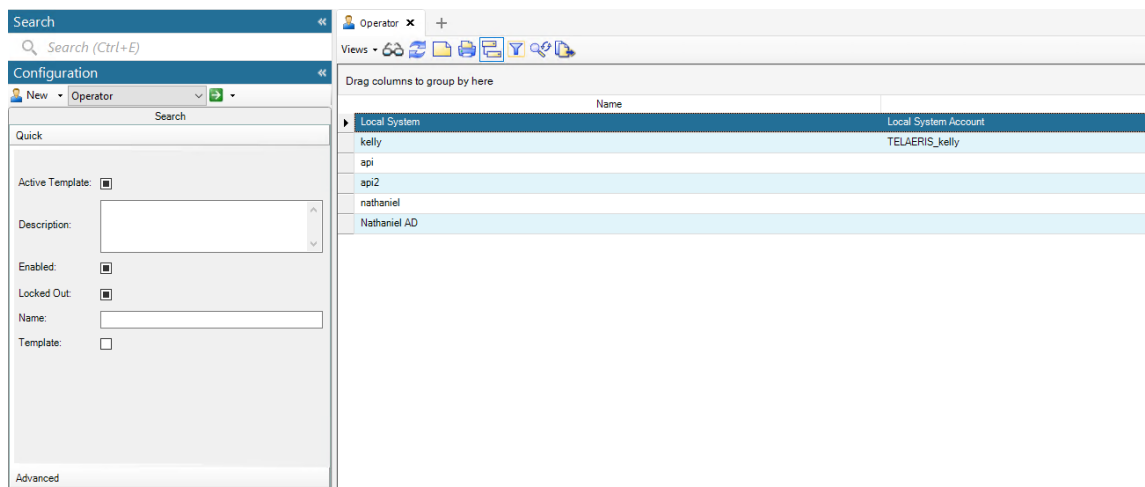
Setting up CCURE 9000 REST to Synchronize with XPressEntry

Requirements for CCURE 9000

1. CCURE 9000 3.0 License *must* include the XPressEntry Integration feature in their license feature list.
 - a. If it does not, please contact Software House.
2. Microsoft .NET 4.6.2 is required for XPressEntry Install
3. **OS:** Windows 7 and above. XPressEntry is **not compatible** with Windows server 2003 or Windows XP.

CCURE Setup

1. In the CCURE 9000 Administration Station:
 - a. Create a new operator for the machine that XPressEntry will be running on **OR**
 - b. Create a new LOCALSYSTEM operator if XPressEntry will be running off the same machine as the CCURE 9000 Machine.
2. Select **Configuration > Operator > New**.



- a. Configure the Operator as shown below. Ensure the **Enabled** checkbox is checked.
 - i. **Recommended username:** XPRESSENTRY
 - ii. **Recommended password:** Telaeris1!
 - iii. If you choose to create different credentials, be sure to remember them as they will be needed to connect XPressEntry to CCURE 9000.

Operator - XPressEntry

Save and Close Save and New

Name: XPressEntry

Description:

☒ Enabled

General Layout Groups User Defined Fields Web State images

Operator Authentication

User Name: XPRESSEENTRY

Windows

Domain Name:

Basic

Password: *****

Confirm Password:

OAuth

OAuth Identifier:

Privileges and Schedules

Add... Remove

	Privilege	Group	Schedule
▶	SYSTEM ALL	<input type="checkbox"/>	Always

3. In the CCURE 9000 Administration Station:
 - a. Add a new **iSTAR** classic controller (**eX** or **Ultra** are also acceptable). This acts as a logical controller for all XPressEntry handhelds.
 - i. You can create the controller under a new cluster, or an existing cluster.
 - b. Add a random MAC Address to this controller.
 - c. On the boards tab, make sure at least one Access Control Manager (ACM) is configured.

iSTAR Controller - XPressEntry iSTAR Controller

Save and Close

Name: XPressEntry iSTAR Controller

Description:

☒ Enabled
☐ Maintenance Mode

Time Zone: (GMT-08:00) Pacific Time (US & Canada)

General Inputs Outputs Wiegand RS-485 Advanced High Assurance Triggers Groups Status Network Status Security

General

Controller Type: iSTAR Edge G2

MAC Address: 0050F9AA8BBB

Reader LCD Message Set: ...

Time Zone: (GMT-08:00) Pacific Time (US & Canada) ...

Onboard Ethernet

Address Family: ☒ IPv4 ☐ IPv6

Network configuration can only be done via iSTAR webpage.

Suppress Power/LED Control ☐ Turn off LEDs and LCD backlight

Cluster Info

Communication Path: in XPressEntry Cluster

Diagnostic Password

Set Password

4. Double click the ACM that you would like to put the readers on. Click on the Wiegand tab (*older versions say Readers*) and add the different readers. One is required for each entry and exit per passageway.
5. XPressEntry handhelds have an Entry and an Exit mode. If both Entry and Exit will be utilized, add two readers for each XPressEntry handheld. (*Example below demonstrates two readers for handheld*)

General Inputs Outputs Wiegand RS-485 Advanced High Assurance Triggers Groups Status Network Status Security

Readers

☒ Create All Readers ☐ Delete All Readers

	Edit	Index	Configured	Name	Template
	...	1	<input checked="" type="checkbox"/>	XPressEntry iSTAR Controller Reader Entry	
▶	...	2	<input checked="" type="checkbox"/>	XPressEntry iSTAR Controller Reader Exit/Muster	

6. Next, create a door that uses the inbound and outbound readers that were just created in Step 3 by right-clicking **Controller > iSTAR Door > New**.

iSTAR Door - XPressEntry Handheld

Save and Close Save and New

Name: XPressEntry Handheld

Description:

☐ Maintenance Mode

Time Zone: (GMT-08:00) Pacific Time (US & Canada)

Previous Personnel State images

General Timing Areas & Zones Double Swipe Triggers Groups Status Door Monitoring User Defined Fields Special Actions

Location Controller: XPressEntry iSTAR Controller

Hardware

Door Switch Monitor: ...

Door Lock Relay: ...

Alternate Shunt Relay: ...

Shunt Expiration Relay: ...

Readers

Inbound Reader: XPressEntry iSTAR Controller Reader Entry ...

Outbound Reader: XPressEntry iSTAR Controller Reader Exit/Mus ...

☐ Readers are continuously active

Request To Exit

Request To Exit Input: ...

☐ Unlock Door on RTE

☐ Shunt DSM while RTE is active

Settings

☐ Send non-alarms input status to the host

☐ Require Manual Action Instructions

Random Screening

☐ Enable Random Screening Percent: 0

Activate Panel Event: ...

- Go to **iSTAR** areas and assign the areas with the doors just created. If the areas are being created for the first time, make sure to create the two areas first, then assign the doors to any of the areas; otherwise, CCURE 9000 will not let you save the area with the added doors as there is no second area to add. The *cluster* must be set to **antipassback** if the *area* is set to **antipassback** or else you cannot add the door.

Creating Areas:

ISTAR Area - XPressEntry IN

Save and Close Save and New

Name: XPressEntry IN

Description:

☐ Maintenance Mode

General Antipassback Occupancy Escort Muster Triggers Status State images

Area Type

Type: Cluster Area Cluster: XPressEntry Cluster

Access In

Add Remove

Door	Reader	Enters from Area

Access Out

Door	Reader	Exits to Area

- Add the door and readers you created to their proper zones. Remember to also set appropriate permissions for the readers.

Access In

Add Remove

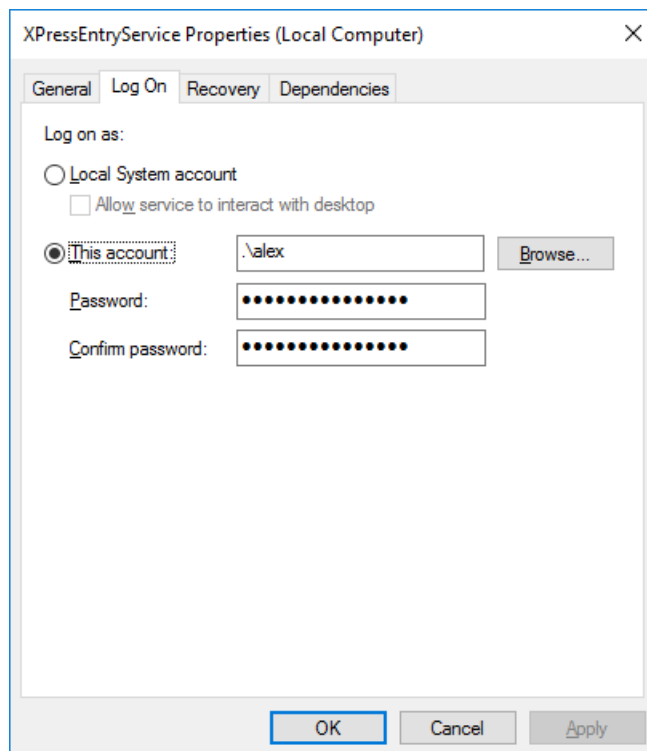
Door	Reader	Enters from Area
XPressEntry Handheld	XPressEntry iSTAR Controller Reader Entry	XPressEntry OUT

Access Out

Door	Reader	Exits to Area
XPressEntry Handheld	XPressEntry iSTAR Controller Reader Exit/Muster	XPressEntry OUT

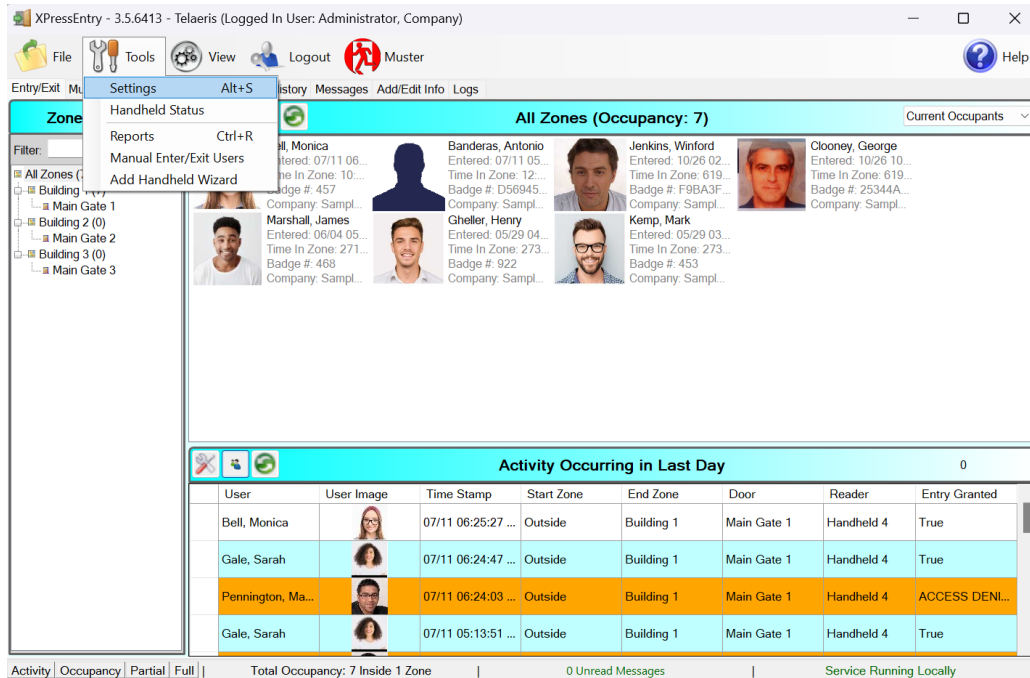
XPressEntry Setup on CCURE Box

1. Install XPressEntry
2. Download License file.
3. Set up a Service account. XPressEntry utilizes a **WCF Service** to communicate with CCURE. This Service uses the same username and password as the administrator user account.
 - a. Navigate to **Services** in Windows. Click on the **XPressEntryService**. Select **Stop**.
 - b. Right-click the **XPressEntryService**. Select **Properties**
 - c. Select the **Log On** Tab. Check the **This Account** (radio button). Enter the Windows Username as well as the Password for this Administrator.
 - d. Select **OK**

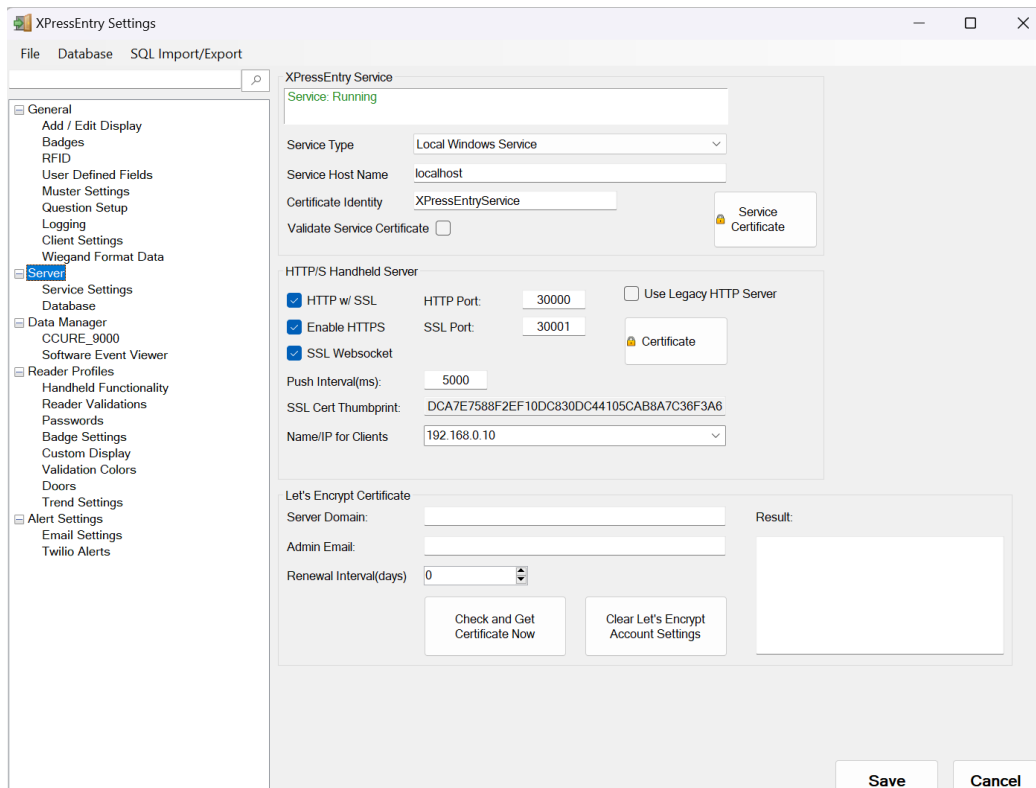


Data Manager Tab

Open XPressEntry as an Administrator. If this is the first time you have opened the program, it will have you set up the basic information. Once this is complete, select **Tools > Settings (ALT+S)**.



1. Open the **Server** Tab. Set the Server Type to **Local Windows Service**. Select **Start Service**. The text above will appear green if the service was successfully started.



2. Open the **Data Manager** Tab. Update the **Type** box to say **CCURE9000**. Then, click **Add > Save**.

- a. Click on the tab that pop ups under Data Manager listing the CCURE 9000 Data Manager.

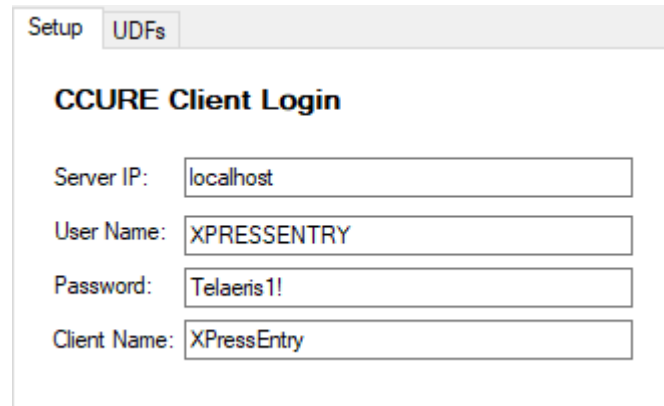
The screenshot shows the 'XPressEntry Settings' window with the 'Database' tab selected. In the left sidebar, the 'Data Manager' section is expanded, and 'CCURE_9000' is highlighted. The main area displays the configuration for 'CCURE 9000'. The 'Type' is set to 'CCURE 9000', and the 'Name' is 'CCURE_9000'. The 'Prefix' is empty. Below this, a text box contains the expression 'CCURE_9000 - Prefix(CCURE_9000)'. At the bottom right, there are 'Save' and 'Cancel' buttons, with a 'Sanity Check Data' button above them.

3. Check the **Enable Data Manager** checkbox, and then click on the button that says **Setup Data Manager**.

The screenshot shows the 'XPressEntry Settings' window with the 'Database' tab selected. The 'Data Manager' section is expanded, and 'CCURE_9000' is highlighted. The 'Enable Data Manager' checkbox is checked, and the 'Type' is set to 'CCURE_9000'. The 'Setup Data Manager' button is highlighted. Below this, the 'Sync Timers' and 'Sync Options' section is visible, containing various frequency settings and buttons for 'Set', 'Clear', and 'Now'. At the bottom, there are 'Save' and 'Cancel' buttons.

4. Under Server IP, confirm the value is **localhost** if installing XPressEntry on the same machine as CCure.
 - a. Otherwise, specify the server IP where CCURE is installed.

5. Enter the login credentials that match the operator created earlier. The client name simply identifies the connection but can be any name. If the operator created matched the provided example, credentials should appear as follows:



Setup UDFs

CCURE Client Login

Server IP: localhost

User Name: XPRESSEENTRY

Password: Telaeris1!

Client Name: XPressEntry

6. Enter the Server IP for the CCURE Connector Service installation and port. Since the CCURE Connector Service will most likely be installed on the same machine as CCURE, *the IP should match the IP under CCURE Client Login.*
 - a. For instructions on installing and configuring CCURE Connector Service, see CCURE Connector Service documentation on the CCURE Partner page.
7. Select **Connect**, and if configured correctly, “*Successfully Logged In!*” will be output. Click **OK** > **Save**. “*DataManager Connected*” should appear in the *Data Manager Live Log View* if connected.



Actions

Connect OK Defaults

10:10:41 AM : Successfully Logged In!

8. Select **Full Sync Now**. If the system is configured correctly, the Data Manager Live Log View will begin to download records from CCURE.

☒ Enable Data Manager **Type:** CCURE9000REST **Setup Data Manager**

Sync Timers **Sync Options**

☐ Disable Concurrent Syncs **Send XPressEntry Activities Now**

Download Activity Frequency	<input type="text"/>	Set	Clear	Download Activity Now
Occupancy Sync Frequency	<input type="text"/>	Set	Clear	Occupancy Sync Now
Partial Sync Update Frequency	<input type="text"/>	Set	Clear	Partial Sync Now
Full Sync Update Frequency	<input type="text"/>	Set	Clear	Full Sync Now
Custom Sync Update Frequency	<input type="text"/>	Set	Clear	Custom Sync Now

Data Manager Live Log View **Pause** **Mirror Log To:** **Browse**

```

INFO: User Sync Progress: 100%
VERBOSE: DB Query for deleted records: SELECT id, external_id from users_udfs WHERE external_id is not null AND external_id <> " AND user_id IN (SELECT id FROM users WHERE external_id IN('8320','8321','8322','8323','8324','8325','8326','8327','8328')) AND deleted_at IS NULL
INFO: Checking for UDF values to update
INFO: Users Updated (9) from Source: 9 Changed
DEBUG: users Updated 9/9
DEBUG: users Updated 0/9
VERBOSE: Starting Full Sync: 10:13:06 AM
NONE: Full Sync Running Now : 10:13:06 AM
INFO: DataManager Connected.
DEBUG: DataManager Settings Updated
INFO: DataManager Connected.
DEBUG: DataManager Table State Changed: session_id:05f3d3c7-afc6-446f-f8c3-2f37c2bf0577

```

Save **Cancel**

9. Configure the following settings by pressing **Set** and defining the interval in which these actions will occur.
 - a. **Activity Update Frequency** – How often activities are synced between XPressEntry and CCURE.
 - b. **Partial Sync Update Frequency** – How often occupancy is updated in XPressEntry from CCURE.
 - c. **Full Sync Update Frequency** – How often all records are updated between XPressEntry and CCURE.
10. Select **Sync Options** and Enable the following settings:
 - a. Pull DataManager Occupancy
 - b. Pull Data Manager Activities into XPressEntry
 - c. Push XPressEntry Activities to Data Manager
 - d. Watch Tables via Software Events
 - e. Enable Message Queue. Click Save.

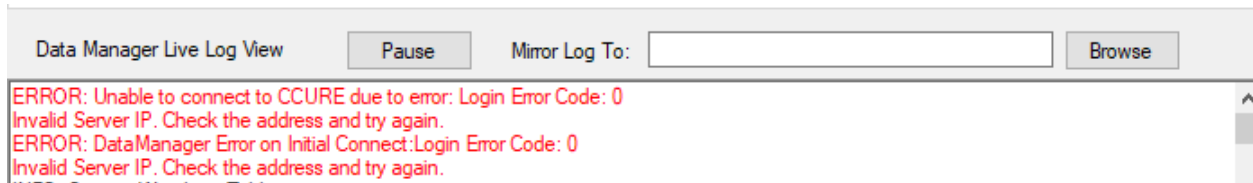
11. Select Save and Apply Settings

Troubleshooting

If the below message is found in the log view, adjust the CCURE Connector Service settings to **match the IP and port** in your CCURE Connector Service installation.

If they do match and this error still appears, refer to the troubleshooting section of the CCURE Connector Service documentation.

If the below message is found in the log view, make sure the **Server IP** field of the setup form is simply the **domain name** including the top-level domain (telaeris.com, telaeris.net, etc...). **Do NOT include http://** or any protocol, or a path value following the domain name. If this criteria is met and this error is still found, be sure that both the machine running XPressEntry and the machine running CCURE are on the **same network**.



If messages like the ones below are seen, the **username** or **password** used is **invalid**. Make sure that the username and password match those of an **Operator** in the CCURE system as described in the **CCURE Setup** section.

