

# ***XPressEntry***

## **XPressEntry / RS2 REST**

**Revision 11/22/2023**

For use with the  
XPressEntry Mobile Access Control  
System

By



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## Purpose

This document is intended to instruct users on how to synchronize an XPressEntry system with an **RS2 ACCESS IT** system. XPressEntry has the capability of providing access control management from a handheld device. For XPressEntry setup information, see the document: “XPressEntry Installation and Upgrade” found at <https://telaeris.com/documentation>.

## Pre-requisites/Requirements

1. XPressEntry 3.4+
2. RS2 ACCESS IT version 9.0.1+
3. RS2 Web API License and API Key
  - a. Obtained from the RS2 ACCESS IT team.
4. The SSL Certificate needs to be installed on the machine where **ACCESS IT** is running and should be bound to the **RS2 Web API**.
  - a. Steps for creating self-signed SSL certificate and binding to the API port is explained in the section: Adding a self-signed certificate.
5. **RS2 ACCESS IT** and XPressEntry are **each** installed on computers or virtual machines that can talk to each other or on the same computer or virtual machine.
6. **Ports 30000, 30001** should be open for communication between the XPressEntry Server and handhelds on the machine where XPressEntry is to be installed.

## Limitations

The RS2 Web API does not allow you to pull historical activities from RS2 ACCESS IT to XPressEntry; however, it is possible to get real time badge scans. In addition, you can identify the current location of users via the occupancy update.

## Setting Up RS2 to Synchronize with XPressEntry

It is assumed that RS2 ACCESS IT is installed on a server.

1. XPressEntry has been tested on RS2 ACCESS IT **Version 9.0.1**. Please contact Telaeris to confirm compatibility with integrations into other versions of RS2 ACCESS IT.
2. RS2 ACCESS IT should have the **WEB API** license activated. WEB API license is provided by RS2.
3. **SSL X.509 Certificate** should be installed on the **Access It! Universal.NET** server machine. (Or add a self-signed certificate)

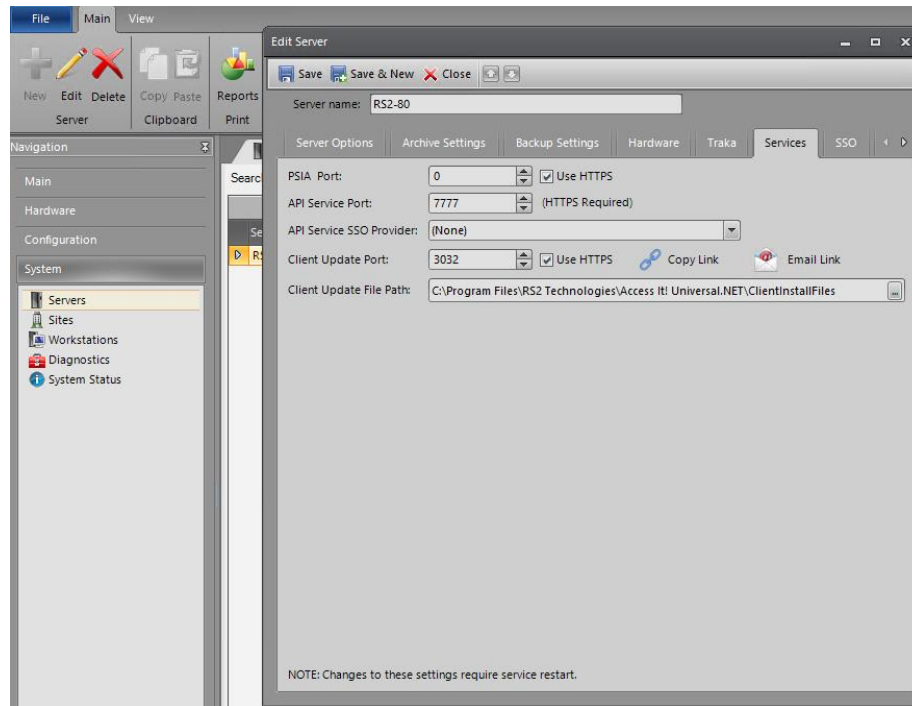
## Order of Operations

1. Setup RS2 Data and Settings
2. Set Readers/Panels to Receive Events
3. Enable XPressEntry Synchronization
4. Set up XPressEntry Data
5. Set up XPressEntry Handheld Readers
6. Validate Functionality via Card Scan

## Setup RS2 Data and Settings

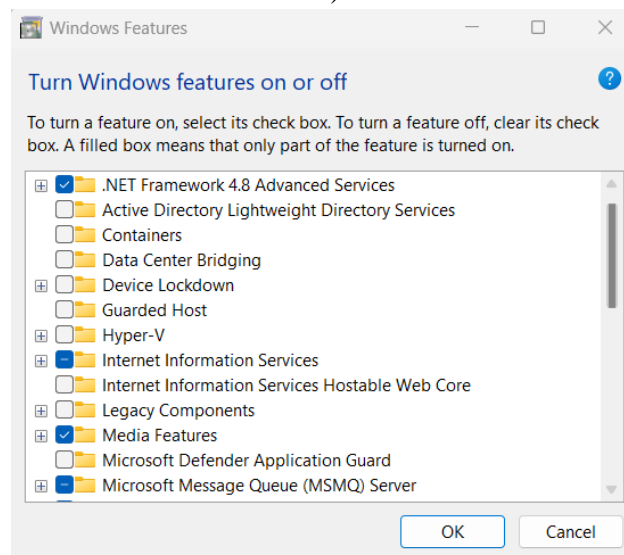
### Setting Web API Port

1. Go to the **Edit Server** dialog box.
2. **55459** is the default port number assigned to the **API Service port**. The port number can be set to something different if the default port is not available.

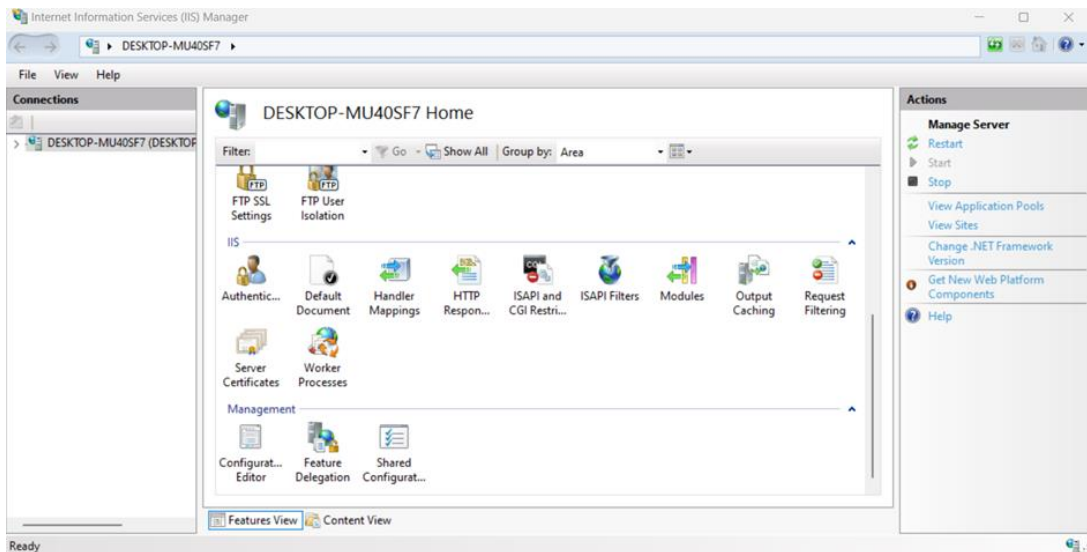


## Binding Self-Signed Certificate with API Port With IIS

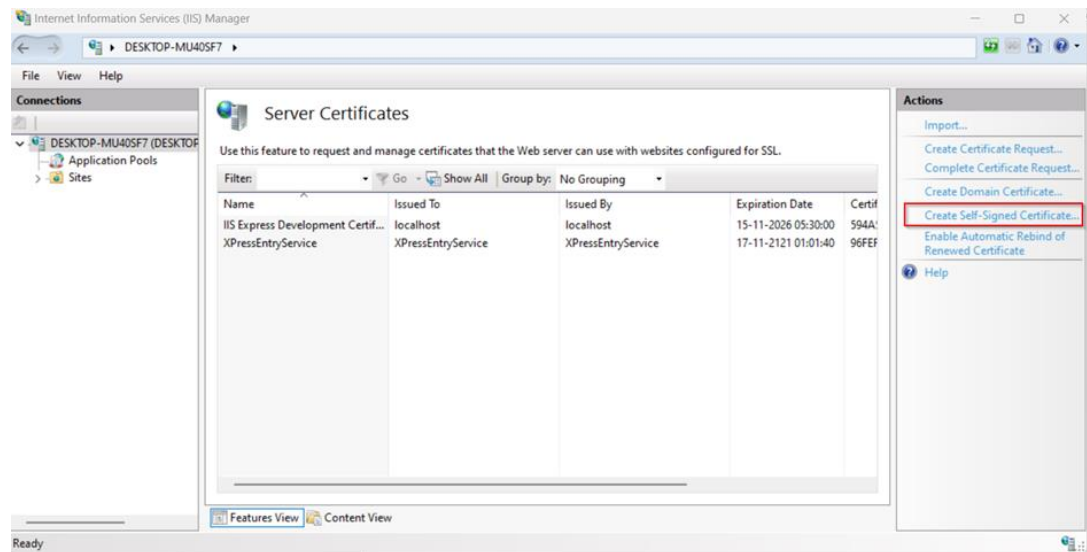
1. Enable **IIS** (Internet Information Services) from **Windows Features** dialog box.



2. Open IIS Manager from Start Menu or use **Run > inetmgr**.
3. Double click on Server Certificates.



4. Add a self-signed certificate and name it accordingly.
  - a. e.g. **RS2APIServer**



## Without IIS

1. Run the below command on an elevated PowerShell. It will create a self-signed certificate with 3-year validity.
 

```
$todaydt = Get-Date
$3years = $todaydt.AddYears(3)
New-SelfSignedCertificate -Subject "RS2WEBAPICERT" -
CertStoreLocation "cert:\LocalMachine\My" -notafter $3years
```
2. Copy the **thumbprint** of the certificate to bind it with **Web API Port**.

```

Administrator: Windows PowerShell
PS C:\WINDOWS\system32> $todaydt = Get-Date
>> $3years = $todaydt.AddYears(3)
>> New-SelfSignedCertificate -Subject "RS2WEBAPICERT" -CertStoreLocation "cert:\LocalMachine\My" -notafter $3years
>>

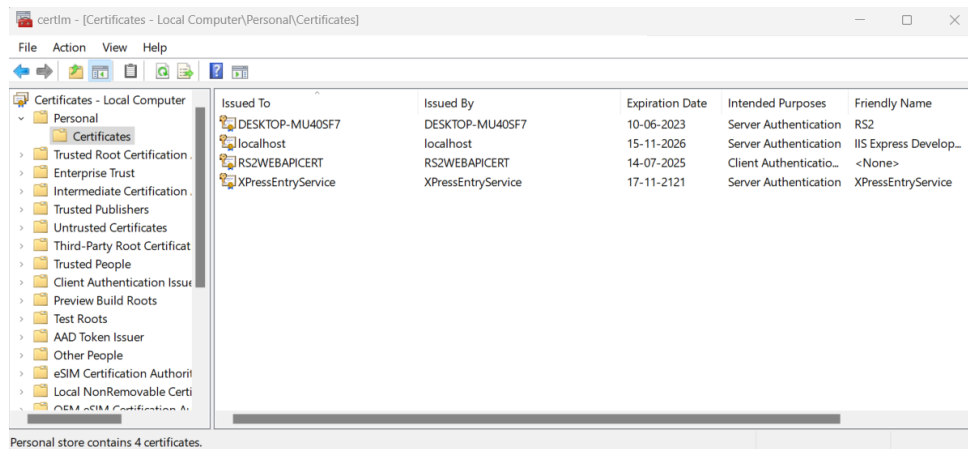
PSParentPath: Microsoft.PowerShell.Security\Certificate::LocalMachine\My

Thumbprint                               Subject
-----
862ED269897796FDF4DB976AD4B0991EE61500A6  CN=RS2WEBAPICERT

PS C:\WINDOWS\system32>

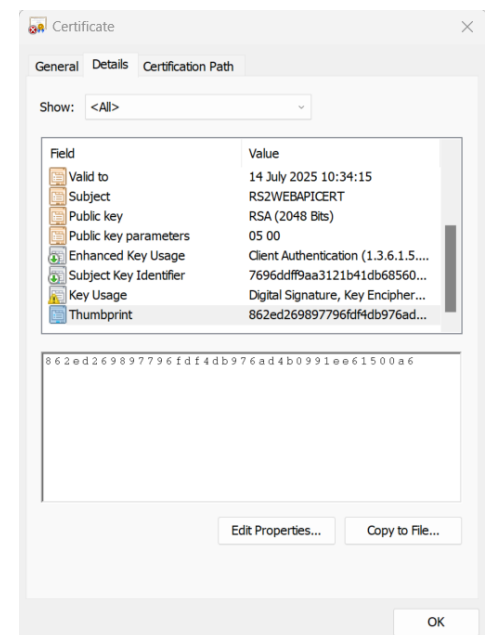
```

- To View the certificate, open **Manage Computer Certificates (Certlm.msc)** and locate the certificate under **Personal Certificates**.



## Bind Web API Port to SSL Certificate

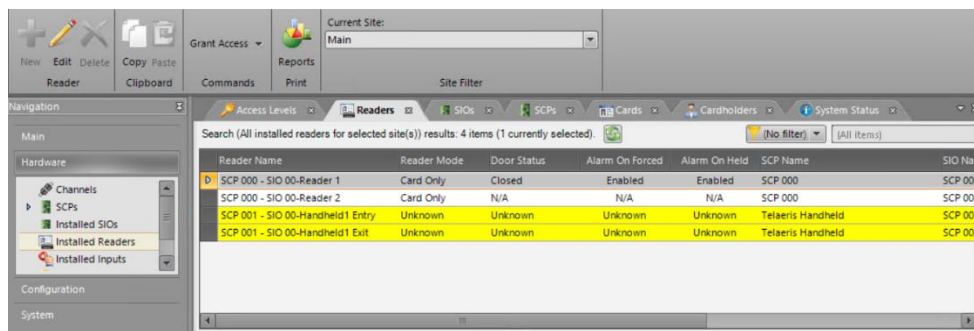
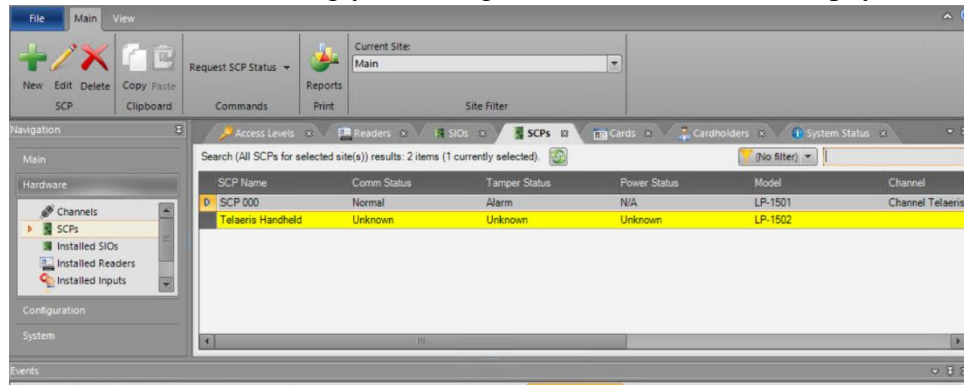
- Open **Certlm.msc** and locate the certificate under Personal Certificates.
- Copy the **thumbprint** of the certificate from Details tab.
- Run command prompt as administrator and execute the below command:  
`netsh http add sslcert`  
`ipport=SERVERIPADDRESS:PORT`  
`certhash=SSLTHUMBPRINT appid={00000000-0000-0000-0000-000000000000}`
  - Replace SERVERIPADDRESS with the **IP address** of the ACCESS IT Universal.NET server.
  - Replace PORT with the **web API port** configured within ACCESS IT Universal.NET API.
  - Replace SSLTHUMBPRINT with the **SSL certificate's thumbprint**.
- Example:** (netsh http add sslcert ipport=127.0.0.1: 55459  
certhash=00000000000003ed9cd0c315bbb6dc1c08da5e6  
appid={00000000-0000-0000-0000-000000000000})



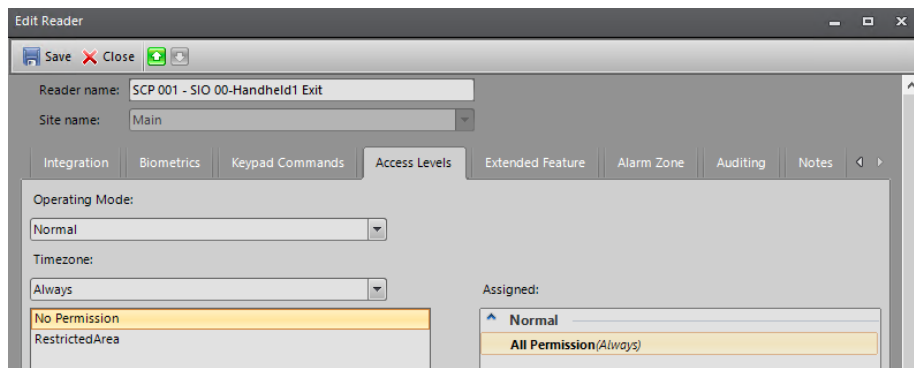
## RS2 Panel + Reader Configuration

XPressEntry pulls all readers, users, pictures, badges, and access permissions from RS2 ACCESS IT. RS2 requires placeholder readers for XPressEntry. These are used to receive the activities from handheld devices.

1. In ACCESS IT, create a placeholder **SCP** to represent Telaeris Handhelds. This will automatically create an **SIO** and **2 readers**.
  - a. 2 readers are required per handheld for entry/exit.
  - b. 1 reader is required per handheld for mustering.
2. Rename the readers accordingly to distinguish them from the actual physical readers.

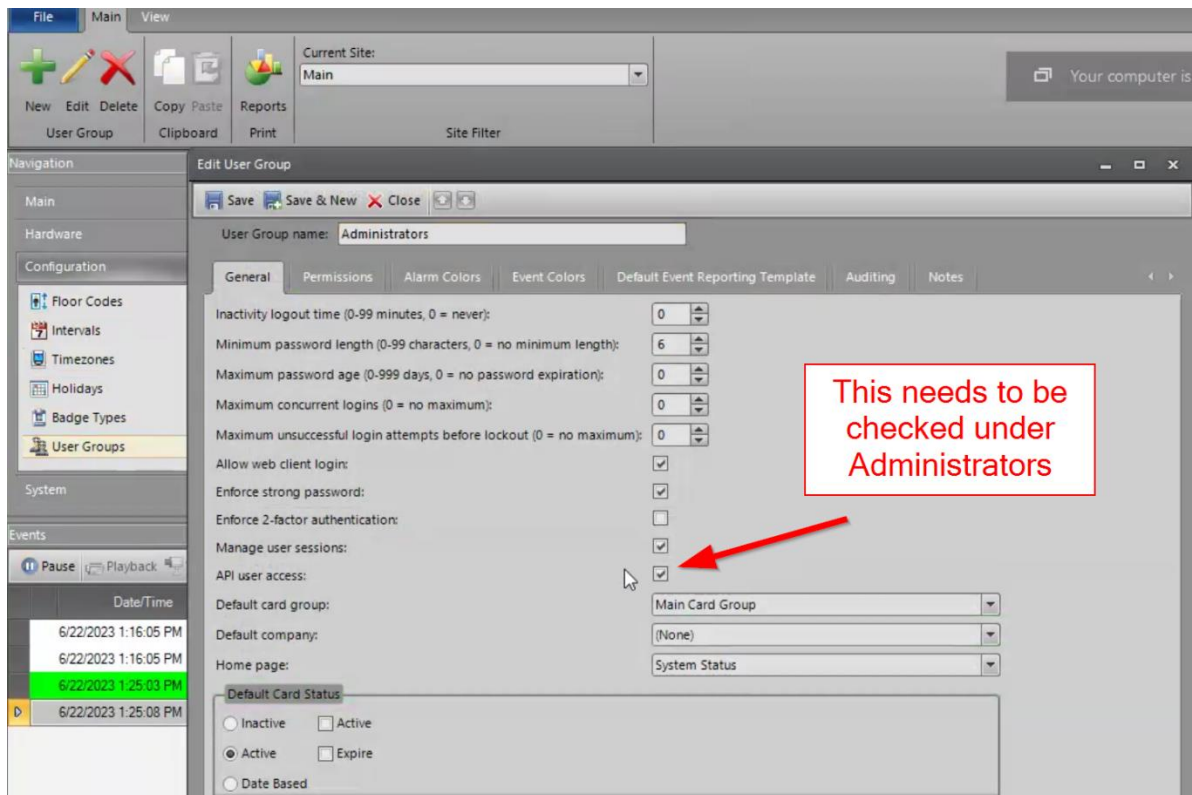
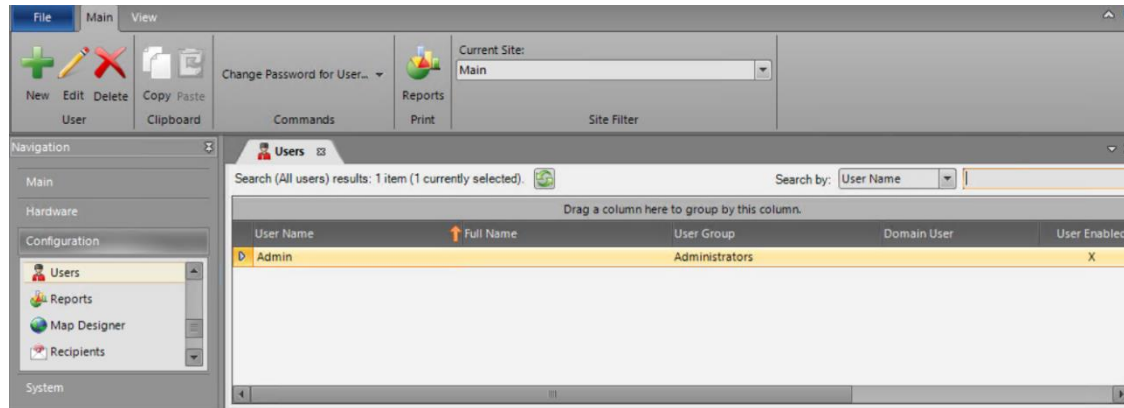


3. Via **Edit > Readers**, assign proper access levels to the readers to permit scanning users.



## Setup Admin User

Ensure there is an administrator user assigned to the Administrators User Group in RS2. This is required to connect from XPressEntry. The **API User Access** option needs to be enabled under the **Administrators User Group** to be able to use the API.



If this is an **Entry/Exit** system, you'll need **two** RS2 readers (Entry/Exit) for **each** handheld device. If this is a **Mustering** system, you'll want **one** RS2 Reader for **each** handheld device.

1. Create a new SIO in RS2. The Model should be a **Virtual SIO**.



2. **Device Installed** must be checked for the readers to be available.

Edit SIO

Save Close

SIO name: NEW XPRESSENTRY VIRTUAL SIO

Site name: Training Demo Case - Main Site

General Options Events Auditing Notes

Attached to SCP: Training - Demo Case EP-1501

Model: Virtual SIO

Device installed: ☐

3. Create an **Entry (IN)** and an **Exit (OUT)** reader and set up the appropriate AntiPassback settings for your configuration.

Edit Reader

Save Close

Reader name: XPE Reader OUT

Site name: Training Demo Case - Main Site

General Reader Settings Door Settings Antipassback Events Integration Biometrics Keypad Commands

Antipassback mode: Soft

Area reader located in: - Chemical Storage area

Area reader granting access to: Area 02-Panel 1

4. Add those readers to the appropriate Access Levels within RS2.

Access ITD Universal.NET

File Main View

New Edit Delete Copy Paste Reports

Item Clipboard Print

Current Site: Training Demo Case - Main Site

Site Filter

Navigation

Main

Hardware

- SIO 10-Panel 1
- SIO 11-Panel 1
- SIO 12-Panel 1
- SIO 13-Panel 1
- NEW XPRESSENTRY VIRTUAL SIO
  - Readers
  - Inputs
  - Outputs
- SIO 15-Panel 1
- SIO 16-Panel 1
- Telaeris Virtual SIO

Configuration

System

Query results: 2 items (1 currently selected)

Reader Name	Reader Mode	Door Status	Alarm On Forced	Alarm On
XPE Reader - IN	Unknown	N/A	N/A	N/A
XPE Reader OUT	Unknown	N/A	N/A	N/A

Events

Pause Playback View Current filter: (None) Journal Edit Card Edit Cardholder View Cardholder

Date/Time	Site Name	Card Number	Facility Code	Cardholder	Description
10/30/2017 9:25:15 PM	Training Demo Case - Main Site	911	1	Staley, Gary	Access Granted
10/30/2017 9:25:30 PM	Training Demo Case - Main Site	13433	1	Bensky, David	Access Denied
10/30/2017 9:25:31 PM	Training Demo Case - Main Site	405925	1	Wilke, Bruce	Access Denied
10/30/2017 9:25:23 PM	Training Demo Case - Main Site	911	1	Staley, Gary	Access Granted

Alarms - Pending Acknowledged

Sensors

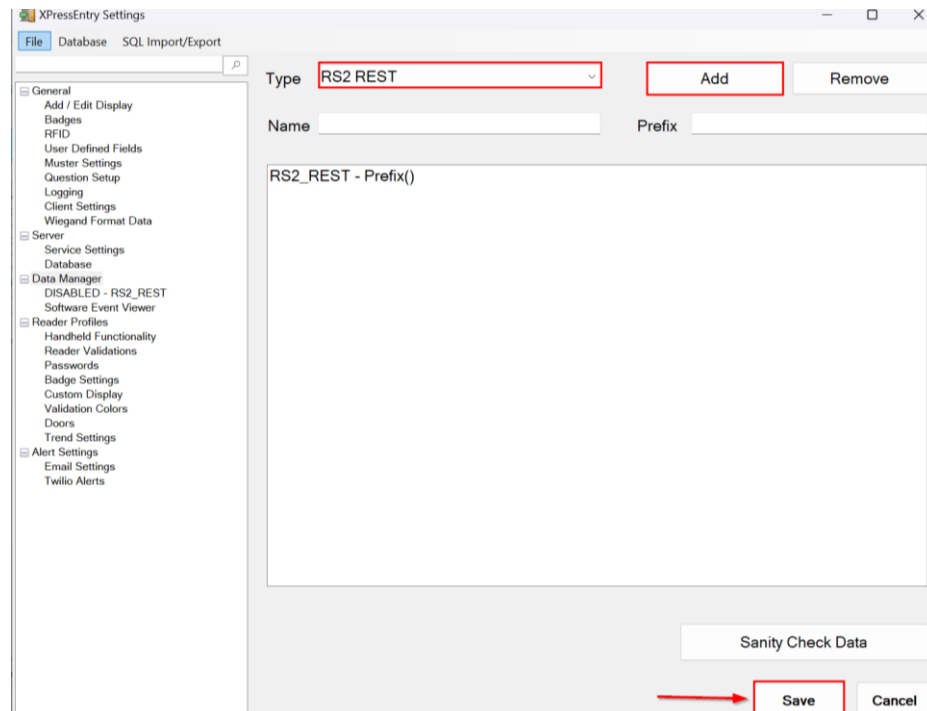
# Enable XPressEntry Synchronization

## Set up Data Manager

XPressEntry uses a module called **Data Manager** to synchronize all data with eFusion. From the main page of XPressEntry, go to XPressEntry > Settings (**ALT+S** or **Tools > Settings**).



From the Settings page select the Data Manager Tab.



1. **Type** – This is the integration type. Select **RS2 REST** > **Add** > **Save**.

2. Go to **Data Manager > RS2\_REST** in sidebar menu.
3. **Setup Data Manager** – This sends you to the setup form for RS2's data manager.

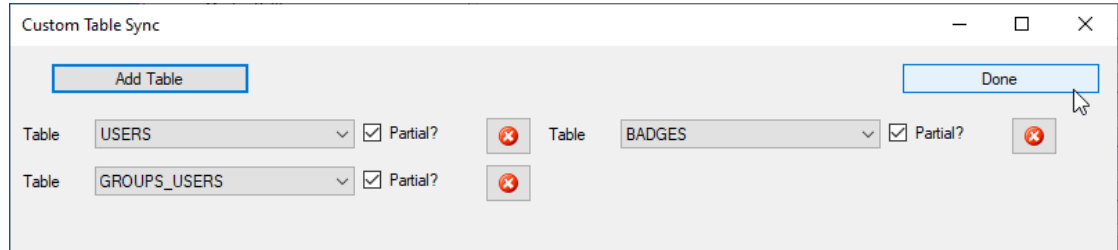
### Sync Timers

XPressEntry uses Timers to pull RS2 Data into XPressEntry.

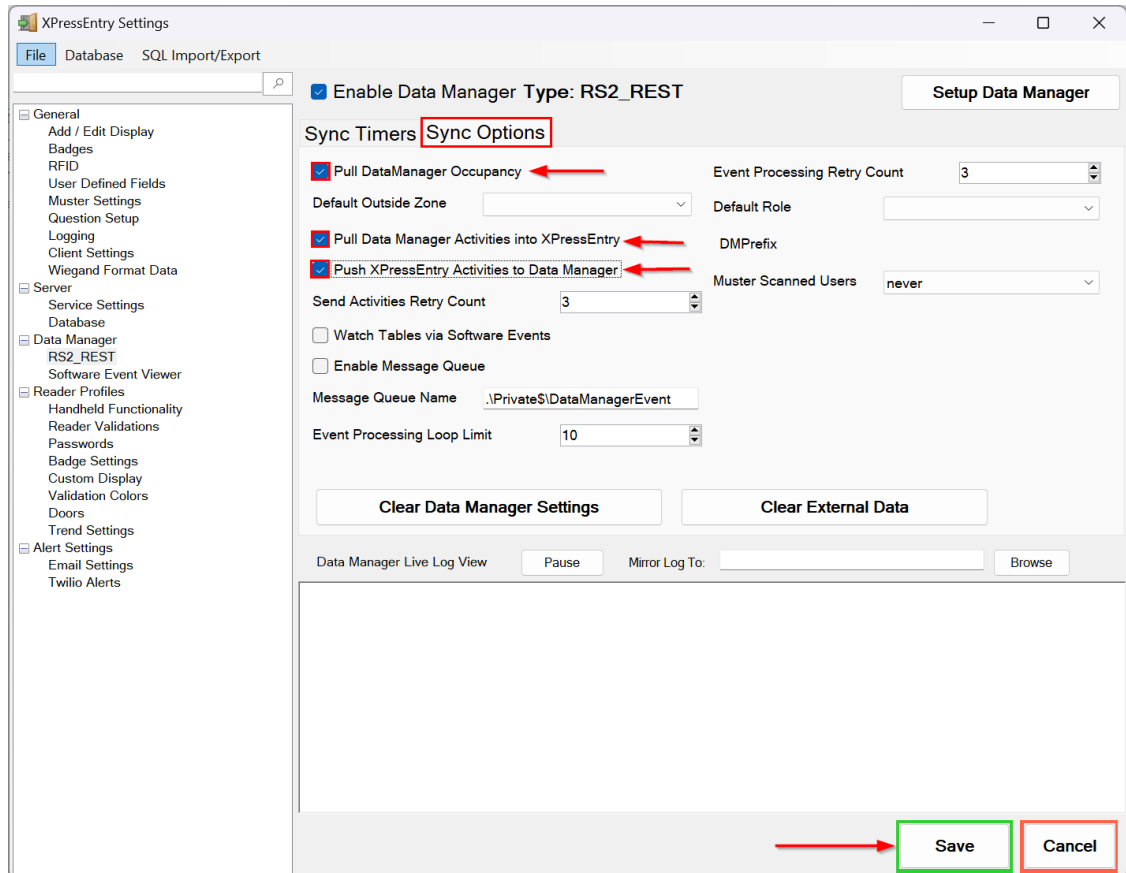
The screenshot shows the 'XPressEntry Settings' window. In the sidebar, 'Data Manager' is expanded, and 'RS2\_REST' is selected. The main panel has two tabs: 'Sync Timers' (active) and 'Sync Options'. Under 'Sync Timers', there is a checkbox for 'Disable Concurrent Syncs'. Below it are five rows of settings, each with an input field, 'Set', and 'Clear' buttons, and a 'Sync Now' button. The 'Sync Now' buttons are highlighted with red boxes. At the bottom right, a red arrow points to the 'Save' button.

1. **Download Activity Frequency** – Pulls reader scan records into XPressEntry and stores them in XPressEntry's activity table. This function also updates the zone occupancy.
2. **Occupancy Sync Frequency** – Updates the zone occupancy without storing the activity records.
3. **Partial Sync Frequency** – Pulls all data excluding cardholder data, including readers, areas, access levels.
4. **Full Sync Update Frequency** – Updates all tables by pulling all necessary records from eFusion. This function may take some time.
  - a. It is recommended to run a full sync **once per day** in the middle of the night when the system is not busy.
5. **Custom Sync Frequency** – Updates a set of tables that the user configures.

- a. To configure, right click **Custom Sync Now** and select **Edit Custom Sync**.



## Sync Options



1. **Pull Data Manager Occupancy** – Enables use of the Occupancy Sync.
2. **Pull Data Manager Activities into XPressEntry** – Enables use of the Activity Sync.
3. **Push XPressEntry Activities to Data Manager** – Enables XPressEntry to push Scan data to RS2.
4. **Send Activities Retry Count** – Number of times XPressEntry will attempt to resend an activity if it fails.
5. **Default Role** – The default XPressEntry Role that will be assigned to users if the integration does not otherwise assign a role. Entrants are recommended but not required.
6. **Muster Scanned Users** – Enables sync to convert scans from specific readers to be converted into Muster Scans which mark users as safe. Muster readers must be configured in the reader data. Please see *Mustering Documentation* for more details.

7. **Setup DataManager Button** – Opens RS2\_REST specific settings.
8. **Clear DataManager Settings** – Resets all settings on the two above tabs, as well as the RS2\_REST specific settings.
9. **Clear External Data** – Deletes all data synced from RS2\_REST from the XPressEntry Database.

### RS2 Data Manager Setup Page

Press the **Setup Data Manager** button to get the RS2 REST specific setup screen. In the new window, ensure the following areas are completed:

1. **Server IP** – IP address of the system where RS2 ACCESS IT server is hosted.
2. **Server Timezone** – Timezone of the server. Default value is Pacific Standard Time.
3. **Port** – API Port for RS2 ACCESS IT Server.
4. **UserName** – RS2 ACCESS IT DBUser username.
5. **Password** – RS2 ACCESS IT DBUser password.
6. **API Token** – API token provided by RS2 ACCESS IT that needs to be used with each API request.
7. **Enable Data Protect** – XPressEntry will store and display passwords as Base64 encoded strings if this is checked.
8. **Page Size** – Page size to fetch the records. Default is 100.

The screenshot shows the 'RS2 Data Manager Setup' window. It has a title bar with standard window controls. The main area contains several input fields and checkboxes. The 'Server IP' field is set to 'rs2-80.ad.telaeris.com'. The 'API Port' field is set to '7777'. The 'Server Timezone' is set to 'Pacific Standard Time'. Under 'RS2 Credentials', the 'UserName' is 'Admin', the 'Password' is masked with asterisks, and the 'API Token' is also masked. There is a 'Test Connect' button to the right of the API Token field. Below these, there is an 'Enable Data Protect' checkbox which is unchecked. At the bottom, there is a 'Select Site' dropdown menu, a 'Page size' spinner set to '100', and two checkboxes: 'Validate SSL Cert' and 'Verbose API Data', both of which are unchecked. At the very bottom, there are 'Defaults' and 'OK' buttons, and a 'Status' label.

Click **Test Connect** after entering all the data correctly. This will connect to the RS2 REST API using the given **UserName** and **Password** and the result will display **Connection Success!**. Is any error in the connection it will show in the same result window.

The **Defaults** button is to clear all the entered data and set to defaults value.

Exit out of this form. On the **Data Manager > RS2\_REST** tab of the Settings form, select **Save**. It is now time to begin syncing data.

Select **Full Sync Now** to pull all data from RS2 ACCESS IT. Once the sync has finished, all relevant RS2 ACCESS IT records should now display in XPressEntry.

The screenshot shows the XPressEntry Settings application window. The left sidebar contains a tree view with categories like General, Server, Data Manager, Reader Profiles, Alert Settings, and Twilio Alerts. The 'Data Manager' category is expanded, and the 'RS2\_REST' sub-item is selected and highlighted with a red box. The main panel is titled 'Sync Timers' and 'Sync Options'. It features a checkbox for 'Enable Data Manager Type: RS2\_REST' which is checked. Below this, there are several rows of settings for different sync types: Download Activity Frequency, Occupancy Sync Frequency, Partial Sync Update Frequency, Full Sync Update Frequency, and Custom Sync Update Frequency. Each row has input fields for frequency, 'Set' and 'Clear' buttons, and a 'Sync Now' button. The 'Full Sync Now' button is highlighted with a red box. At the bottom right, there are 'Save' and 'Cancel' buttons, with a red arrow pointing to the 'Save' button.

## Configuring XPressEntry Using RS2 Access It Data

Now that XPressEntry has RS2 ACCESS IT data, it needs to be configured to use this information. The tabs that need to be configured are the Doors, Readers, and Zones.

In the XPressEntry system editing of any external data is disabled by default. To enable the settings, you need to go to the **Settings > General Tab > Add/Edit Display** then check the option **Allow Editing of External Data** in the External Data Section.

The screenshot shows the XPressEntry Settings application window, General tab. The left sidebar shows the 'Add / Edit Display' option highlighted. The main panel is divided into sections: General, External Data, Readers, and Badges. In the 'External Data' section, the checkbox 'Allow Editing of External Data' is checked and highlighted with a red box. Other checkboxes in the 'General' section include 'Show Badge Types Form', 'Show RFID Form', 'Show Timezones Form', 'Show Holidays Form', 'Show Deleted Records in Add / Edit List', 'Show External Flag in Add / Edit List', and 'Show External ID in Add / Edit List'. The 'Readers' section has checkboxes for 'Allow Reader GUID Switching', 'Show Reader Merging', and 'Show Reader Timezones'. The 'Badges' section has checkboxes for 'Show Facility Code Column In Badges', 'Show Badge Defined Field 1 in Add/Edit', 'Show Badge Defined Field 2 in Add/Edit', and 'Show Badge Defined Field 3 in Add/Edit'.

## Users

To the right is a sample of a properly synchronized user.

All External Records (From RS2 ACCESS IT) will display in red as an **External Record** at the top of the form. This label will not display for any records that were created from within XPressEntry.

XPressEntry will pull the user's **image** and **badge number** from RS2 ACCESS IT. The badge number can be seen at the bottom of the screen.

The screenshot displays the XPressEntry application window. The title bar reads "XPressEntry - 3.5.6413 - Telaeris (Logged In User: Administrator, Company)". The menu bar includes File, Tools, View, Logout, Entry/Exit, and Muster. The main interface is divided into several sections:

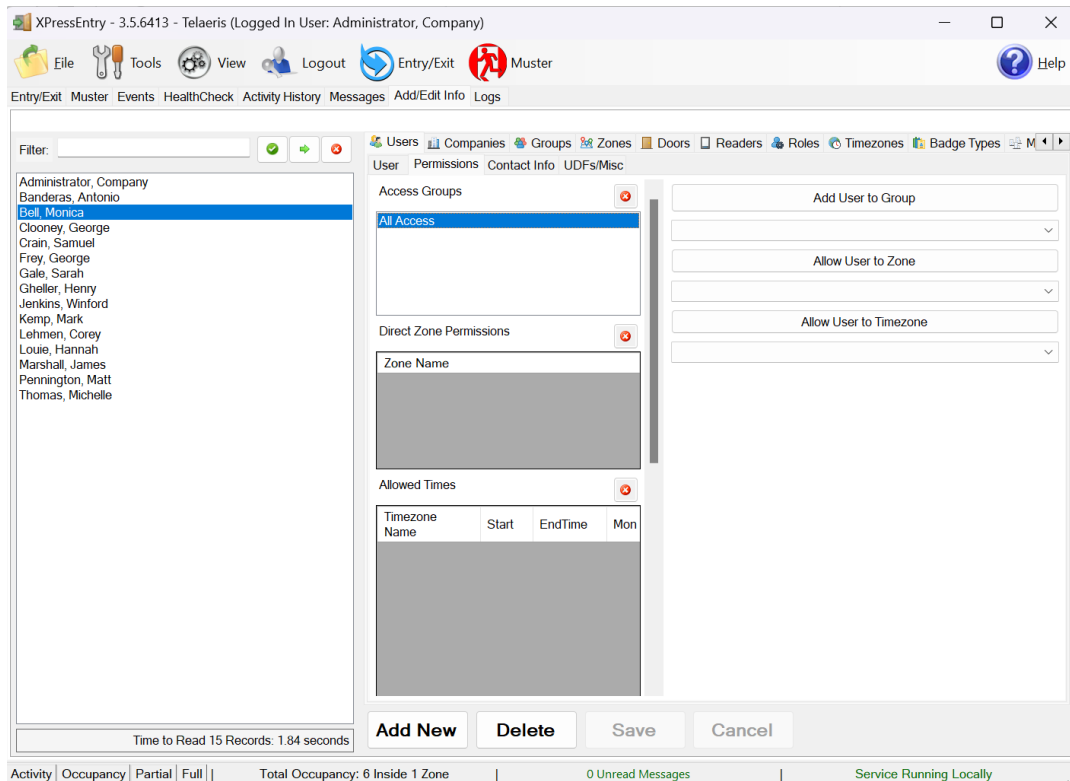
- User List:** A list of users is shown on the left, with "Bell, Monica" selected. The list includes names like Administrator, Company; Banderas, Antonio; Clooney, George; Crain, Samuel; Frey, George; Gale, Sarah; Gheller, Henry; Jenkins, Winford; Kemp, Mark; Lehmen, Corey; Louie, Hannah; Marshall, James; Pennington, Matt; and Thomas, Michelle.
- User Form:** The right side shows the details for the selected user, Monica Bell. Fields include First Name (Monica), Last Name (Bell), MI ( ), Company (Sample Company), Emp ID ( ), Zone (Building 1), Role (Entrant), and a photo. There are checkboxes for Visitor and Host, and fields for Zone Entry and Last Reader.
- Badges Table:** A table at the bottom shows badge information. The first row is highlighted in blue.

Badge	BDF1	Activated Date	Expired Date	Invalid	Badge Type
457		5/27/2020			
759		5/29/2020			

At the bottom of the window, there is a status bar with the following information: Activity | Occupancy | Partial | Full | Total Occupancy: 6 Inside 1 Zone | 0 Unread Messages | Service Running Locally.

## User Permissions

Users in XPressEntry have the **same permissions** to each reader as they do in **RS2 ACCESS IT**. This is regardless of whether the user is assigned an Access Code, Reader Group, or direct access to a Reader.

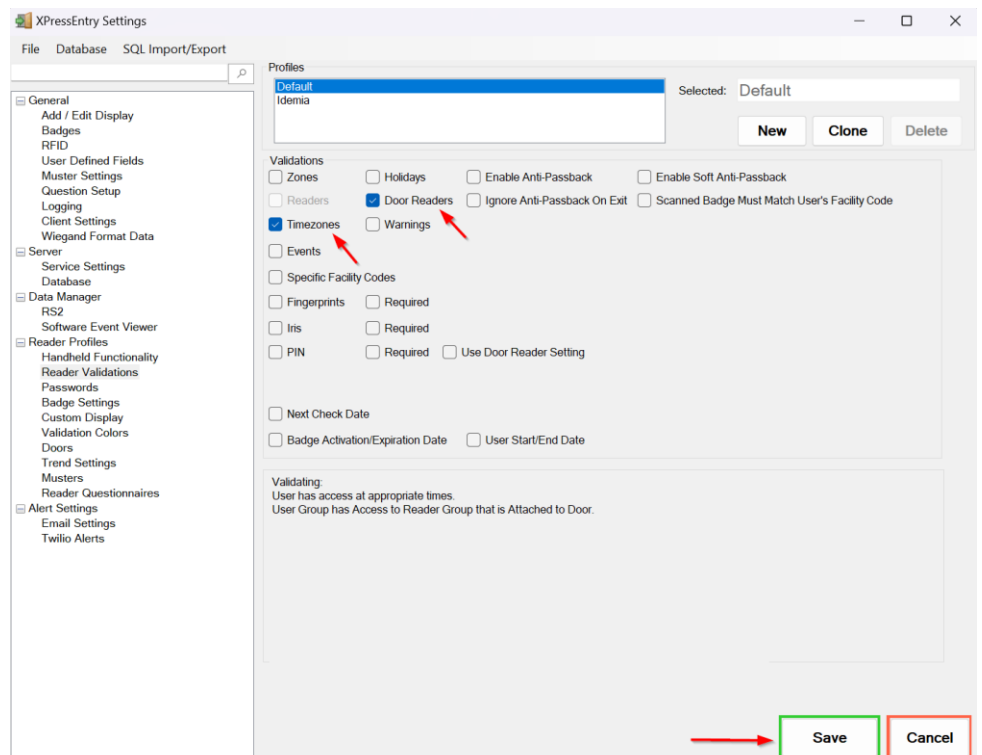


## Readers

For each **Handheld**, you'll want to set up a Reader in XPressEntry. The **Reader Profile Tab** is where you configure the handhelds. Make sure the **Door Readers** and **Time Zones** are the only modes that are checked under **Reader Validations**. Select **Save** at the bottom right when finished.

## XPressEntry Readers

All Readers should be available to view in the **Readers** tab under **Add/Edit Info**.





Here is a sample of a properly synchronized readers:

The screenshot shows a software interface for configuring a handheld reader. The top menu bar includes File, Tools, View, Logout, Entry/Exit, and Help. Below the menu is a sub-menu with Entry/Exit, Activity History, Messages, Add/Edit Info, and Server Activity. The main area is divided into several sections:

- Filter:** A search bar with a green checkmark, a green arrow, and a red X icon.
- Handhelds:** A list showing "Handheld 1" with "Server Reader : DESKTOP-MU40SF7". Below it, a status bar indicates "Time to Read 2 Records: 0.01 seconds".
- Readers:** A list showing four readers: "SCP 000 - SIO 00-Reader 1", "SCP 000 - SIO 00-Reader 2", "SCP 001 - SIO 00-Handheld1 Entry", and "SCP 001 - SIO 00-Handheld1 Exit". Below it, a status bar indicates "Time to Read 4 Records: 0.01 seconds".
- Configuration Fields:**
  - Name:** Handheld 1
  - Door:** A dropdown menu.
  - Profile:** Default
  - GUID:** ddc7f9cdd90d466
  - External Master Reader:** A dropdown menu.
  - Buttons:** "Clear Reader Credential" and "Show Reader Setup QR".
  - XPressFreedom Settings (optional):**
    - Freedom Name:** Freedom Board
    - IP Address:** A text field.
    - TCPIP Port:** 80
    - Success Value:** A dropdown menu with "2" selected.
    - Enable Freedom Debug:** ☐
    - Relay Sense:** ☐
    - Enqueue Requests:** ☒
    - Key:** DEFAULT
  - RFID Settings (optional):**
    - RFID Reader:** A dropdown menu.
    - Mode:** A dropdown menu with "Trend" selected.
    - Antenna Port:** 1
    - Same Zone:** ☐
  - IDScan:** "Upload ID Scan License" and "Clear" buttons.

At the bottom, there are buttons for "Add New", "Delete", "Save", and "Cancel". A status bar at the very bottom shows "Activity | Occupancy | Partial | Full | Total Occupancy: 3 Inside 1 Zone | 0 Unread Messages | Service Running Locally".

## RS2 Access It Readers

The screenshot shows the RS2 Access It Readers software interface. The top menu bar includes File, Main, and View. Below the menu is a sub-menu with New, Edit, Delete, Copy, Paste, Grant Access, Reports, and Print. The main area is divided into several sections:

- Navigation:** A sidebar with a tree view showing "Main", "Hardware", "Channels", "SCPs", "Installed SIOs", "Installed Readers", "Installed Inputs", "Installed Outputs", and "Intrusion Panels".
- Readers:** A table showing a list of readers. The table has columns: Reader Name, Reader Mode, Door Status, Alarm On Forced, Alarm On Held, and SCP Name. The table contains 4 rows of data, with the first row selected.
- Search:** A search bar with the text "Search (All installed readers for selected site(s)) results: 4 items (1 currently selected)".
- Status Bar:** At the bottom, it shows "Alarms - Pending(0), Acknowledged(0)" and "Servers".

Reader Name	Reader Mode	Door Status	Alarm On Forced	Alarm On Held	SCP Name
SCP 000 - SIO 00-Reader 1	Card Only	Closed	Enabled	Enabled	SCP 000
SCP 000 - SIO 00-Reader 2	Card Only	N/A	N/A	N/A	SCP 000
SCP 001 - SIO 00-Handheld1 Entry	Unknown	Unknown	Unknown	Unknown	Telaeris Handheld
SCP 001 - SIO 00-Handheld1 Exit	Unknown	Unknown	Unknown	Unknown	Telaeris Handheld

## Doors

**Entry/Exit** permissions in XPressEntry are set by doors. Doors contain two readers – an **exit** and an **entry** reader. **Door access** is determined by the user's access to the door's reader. For **entry**, permission is based on the user's access to the door's **external entry reader**. For **exit**, permission is based on the user's access to the door's **external exit reader**. Since RS2 ACCESS IT **doesn't have separate doors**, doors are created from each **reader** in XPressEntry automatically.

Doors should be set by the user for **each Handheld Reader** in XPressEntry.

This setup could use default zones created by XPressEntry during installation or could create more zones manually in XPressEntry, since RS2 ACCESS IT does not have zones.

While pulling readers from RS2 ACCESS IT, a door is created in XPressEntry with respect to each reader as shown in the below image.

Filter  ✓ ✗ ⚙ Users Companies Groups Zones Doors Readers Roles Timezones Muster Sites

**External Record:13c9c1cf-29ce-42a4-a232-1e4e03b29957**

dr\_SCP 000 - SIO 00-Reader 1  
dr\_SCP 000 - SIO 00-Reader 2  
dr\_SCP 001 - SIO 00-Handheld1 Entry  
dr\_SCP 001 - SIO 00-Handheld1 Exit  
Test Door

Door Name

Start Zone

End Zone

Door RFID Tag #

External Entry Reader  
 ✕

External Exit Reader  
 ✕

Door GPS Coordinates

Door GPS Radius (m)

**Add New** **Delete** **Save** **Cancel**

Time to Read 5 Records: 0.00 seconds

Activity | Occupancy | Partial | Full | Total Occupancy: 3 Inside 1 Zone | 0 Unread Messages | Service Running Locally

1. **Zones** – For each door, set the start zone and end zone. This will enter a user in the specified zone when they enter or exit (or scan at RS2 ACCESS IT door).
2. **External Readers** – External Entry Reader will automatically be set to the Reader from which the door has been created.

There should be a door in XPressEntry for each physical station that an employee will have a handheld. Select **Outside** for Start Zone and **Building** for End Zone for an Entry door.

Doors can also be added for each of the physical readers. If XPressEntry is set up to pull activities, it will move people in the system based on the reader they were scanned, and the zones attached to the door.

## Groups

### XPressEntry Groups

External Record:b819ceff-917f-4b50-b4ff-99851cdba30b

Filter: [ ] [ ] [ ]

Users Companies Groups Zones Doors Readers Roles Timezones Muster Sites

Name: All Permission

☐ Is Default Group ☐ Group Allows Reader Login

Readers Zones Holidays

Readers

Handheld 1  
SCP 000 - SIO 00-Reader 1  
SCP 000 - SIO 00-Reader 2  
SCP 001 - SIO 00-Handheld1 Entry  
SCP 001 - SIO 00-Handheld1 Exit  
Server Reader: DESKTOP-MU40SF7

Timezones

Always  
Always  
DayShift  
Never  
Never  
Timezone1

Selected

SCP 000 - SIO 00-Reader 1 (Always)  
SCP 000 - SIO 00-Reader 2 (Always)  
SCP 001 - SIO 00-Handheld1 Entry (Always)  
SCP 001 - SIO 00-Handheld1 Exit (Always)

Add New Delete Save Cancel

Time to Read 5 Records: 0.01 seconds

Activity Occupancy Partial Full Total Occupancy: 3 Inside 1 Zone 0 Unread Messages Service Running Locally

Access Levels are mapped to Groups and readers are included in each group according to the reader's access level.

## RS2 ACCESS IT Access Levels

File Main View

New Edit Delete Copy Paste Reports

Access Levels Clipboard Print

Current Site: Main

Site Filter

Navigation

Main

Hardware

Configuration

Card Groups

Access Levels

Floor Codes

Intervals

Timezones

Holidays

Badge Types

User Groups

Cardholders Readers Cards Card Groups Badge Types Users Access Levels

Search (All access levels) results: 3 items (1 currently selected).

Access Level Name

All Permission

No Permission

RestrictedArea

Drag a column here

XPressEntry will synchronize activities to RS2 ACCESS IT if that option has been set by the Data Manager. Entry/Exit activities will be sent to RS2 ACCESS IT and display the results in the Transaction logs.




If XPressEntry is configured to **push** activities, those activities will appear in the RS2 ACCESS IT software.

If XPressEntry is configured to **pull** activities, the occupancy of the system will change each time a person scans at a reader that is mapped to a door in XPressEntry.

You may want to pull activities if:

1. You want to use XPressEntry to manage Emergency Evacuations.
  - a. XPressEntry uses RS2 ACCESS IT activities to determine who is on and who is off campus.
  - b. In the case of a mustering event, XPressEntry will have an up-to-date list of who is on site on this day.
  - c. Using this list, XPressEntry can be utilized to “muster” or mark people as safe to create a list of people who are still on site.
2. You want to use XPressEntry’s features to determine who is on site, and what areas people are in.

**Note:** We cannot pull historical activities with RS2 ACCESS IT API. It only allows to pull activities that have happened within a minute.

Activity Occurring in Last 7 Days								0
	User	User Image	Time Stamp	Start Zone	End Zone	Door	Reader	Entry Granted
	I, Clement J		07/14 12:5...	Outside	Building	dr_SCP 00...	Handheld 1	True
	Columbus, ...		07/14 12:5...	Outside	Building	dr_SCP 00...	Handheld 1	True
▶	Carta, Dave		07/14 12:5...	Outside	Building	dr_SCP 00...	Handheld 1	True

+

✂

✕

New

Edit

Delete

📄

📋

Copy

Paste

🖨

Reports

Print

Current Site:

Main

Site Filter

Navigation

Main Hardware

Configuration

System

👤 Cardholders

📖 Readers

📇 Cards

📁 Card Groups

📇 Badge Types

👤 Users

Search (All cardholders) results: 30 items (1 currently selected).

Search

Last Name or Card Number

[All items]

Drag a column here to group by this column.

Cards

Events

⏸ Pause

🎮 Playback

👁 View

🔍 Current filter: (Default)

📖 Journal

✎ Edit Card

👤 Edit Cardholder

📇 View Cardholder

	Date/Time	Site Name	Card Number	↑	Facility Code	Description	Location
▶	7/14/2022 12:27:39 AM	Main	54	1		Access Granted	SCP 001 - SIO 00-H
	7/14/2022 12:22:08 AM	Main	717	1		Access Granted	SCP 001 - SIO 00-H
	7/14/2022 12:27:15 AM	Main	757	1		Access Granted	SCP 001 - SIO 00-H