

XPressEntry / ACT Pro Integration

Revision 05/03/2024

For use with the XPressEntry Mobile Access Control System

By



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Contents

Purpose
Pre-requisites/Requirements
Limitations 4
Order of Operations
Set up ACT Pro Data and Settings
Enable XPressEntry Synchronization
Data Manager Tab6
Reader Profile Tab7
Sync Timers7
Sync Options
ACT Pro Data Manager Setup Page9
Set up XPressEntry Data
XPressEntry Data10
Sync Check 10
Doors11
Readers12
Users
User Permissions13
Groups14
Configuring XPressEntry Using ACT Pro Data
Doors
Readers16
Activities17

Purpose

This document is intended to instruct users on how to synchronize an XPressEntry system with an **ACT Pro** 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 3.5+
- 2. ACT Pro V 3.2.0.64+
- 3. Windows 8.1+ or server type equivalent

Limitations

- 1. API does not allow pushing badge scan events from XPressEntry to ACT Pro as a normal event but rather as a **Manual Login/Manual Logout**.
- 2. API does not recognize **invalid** or **access denied** scans on XPressEntry readers in the ACT Pro system.
- 3. API does not allow for live events (such as user, card, or group updates) to sync to XPressEntry.

Order of Operations

- 1. Set up ACT Pro Data and Settings
- 2. Enable XPressEntry Synchronization
- 3. Set up XPressEntry Data

Set up ACT Pro Data and Settings

It is assumed that ACT Pro is installed on a server. XPressEntry has been tested on ACT Pro Version 3.2.0.64 and above. Please contact Telaeris to confirm compatibility with integrations into other versions of ACT Pro.

<u>Note</u>: The ACT Pro API key must be installed in the ACT Pro software. It comes at an additional cost and is purchased through normal channels.

Register Softw	are					
🏠 Live System	Register AC	Tpro				
🇞 Database		-			-	-
🕈 Backups	Serial Key				Registered	Add Key
🖆 Upload					True	and the second second
	Key Type:	Master Serial Key - Pro				Delete Key
B Users	Feature(s):	ACTpro Server; Milestone; M Integration	lulti Tenancy; API; User Import Tool; A	larm Mapping; Kone; Mobile	App; SPC	
🛱 Firmware Upgrade	Status:	Registered				
Monitoring	Reg. Key:					
Gregister Software	Max. Clients:	Unlimited	Total Max. Clients	Unlimited		
	Max. Doors:	Unlimited	Total Max. Doors	Unlimited		
	Max. WLocks:	10	Total Max. WLocks	10		

- 1. Ensure the ACT Pro server and client machines are registered on the same domain.
- 2. Update the **app.config.xml** file of the **XPressEntry** service and **the Vanderbilt data manager file** to reference the server address if the ACT Pro server is installed and running on a **different computer** from the development environment.
 - a. The default reference is 'localhost.'



3. In Act Pro > Manage > DB Users, set up an Administrator user in ACT Pro. This login will be used to connect to XPressEntry.

0	DB Users	Sear	ch		2				Print	Export	Add DB User
A Home	Â	_	No	Name Administrator		R ole Administrator	Windows Account	Tenancy <none></none>		_	
Live System			1	Subha		Administrator		<none></none>			
📝 Manage											
U sers											
🐌 User Groups											
Door Groups											
Doors											
(Timezones											
Holidays											
DB Users	-		_			 					
		Dele	te DE	3 User							

- a. The default username for ACT Pro is Administrator with a blank password.
- Go to Manage > Doors and create a logical door for your XPressEntry readers.
 Not applicable for now since we cannot send activities with door info
 - a. Not applicable for now since we cannot send activities with door info.

Door Details	XPF-Entry				Print Export
home f	General Door Groups	Door Number:	9		Î
Live System	Actions	Door Name:	XPF-Entry		
🗊 Manage	Reporting Floor Group	Relay Timer 5	÷+		
Users	Tenants	Door Ajar Timer:	60	¢*	
🚷 User Groups	Bloor Group Relay Timer: Users Door Ajar Timer: User Groups Door Groups Doors Door Ajar Timer:	urd			
Door Groups		Door Name: XPF-Entry			
Doors				Save	
Timezones					
Holidays					
DB Users					
Version: 3.2.0.64					(= =)

Enable XPressEntry Synchronization

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



Data Manager Tab

From the Settings page select the Data Manager Tab.

	۹	Туре	VANDERBI	LTACTPRO	~		Add		Remove	
⊟ General		1	-			•				
Add / Edit Display Badges										
RFID		Name	VANDERBI	LTACTPRO		Prefix				
User Defined Fields										
Muster Settings										
Question Setup		VAND	ERBILTACT	PRO - Prefix()						
Logging										
Client Settings										
Wiegand Format Data										
E Server										
Service Settings										
Database										
 Data Manager 										
Software Event Viewer										
Reader Profiles										
Handheld Functionality										
Reader Validations Passwords										
Passwords Badge Settings										
Custom Display										
Validation Colors										
Doors										
Trend Settings	₽.									
Musters										
Alert Settings										
Email Settings										
Twilio Alerts										
							S	anity Chec	k Data	

- 1. **Type** This is the integration type. Select **VANDERBILTACTPRO** > **Add** > **Save.**
- 2. Go to **Data Manager > VANDERBILTACTPRO** in sidebar menu.

3. Setup Data Manager – This sends you to the setup form for ACT Pro's data manager.

Reader Profile Tab

🛃 XPressEntry Settings	- D >
File Database SQL Import/Export	م Profiles
∃ General Add / Edit Display Badges RFID	Default Muster Only Selected: Default New Clone Delete
User Defined Fields Muster Settings Cuestion Setup Logging Client Settings Wiegand Format Data E Service Settings	Validations Holidays Enable Anti-Passback Enable Soft Anti-Passback Cores Holidays Enable Anti-Passback Enable Soft Anti-Passback Readers Door Readers Ignore Anti-Passback On Exit Scanned Badge Must Match User's Facility Code Timezones Warnings Events Events
Database Jota Manager VANDERBILTACTPRO Software Event Viewer Reader Profiles Handheld Functionality Reader Validiations Passwords Badge Settings Custom Display	Specific Facility Codes Fingerprints Required Iris Required PIN Required Random Challenge Image: Comparison of the second sec
Validation Colors Doors Trend Settings Musters	Badge Activation/Expiration Date User Start/End Date

- 1. Go to **Reader Profiles > Reader Validations**. This is where you configure the handhelds.
- 2. Ensure that **Door Readers** and **Time zones** are the only mode checked under **Validations**.
- 3. Select **Save** at the bottom right when finished

Sync Timers

XPressEntry uses Timers to pull ACT Pro Data into XPressEntry.

XPressEntry Settings				- 🗆 X
File Database SQL Import/Export	🔎 🖪 Enable Data Manager Type	: VANDERBILTACTPRO)	Setup Data Manager
⊟ General Add / Edit Display Badges	Sync Timers Sync Options			yyyyyyyyyyyyyyyyyyyyyyyyyy
RFID User Defined Fields Muster Settings		Disable Concurrent Syncs		Send XPressEntry Activities Now
Question Setup Logging Client Settings	Download Activity Frequency	Set	Clear	Download Activity Now
Wiegand Format Data ⊒ Server	Occupancy Sync Frequency	Set	Clear	Occupancy Sync Now
Service Settings Database Data Manager VANDERBILTACTPRO	Partial Sync Update Frequency	Set	Clear	Partial Sync Now
Software Event Viewer	Full Sync Update Frequency	Set	Clear	Full Sync Now
Handheld Functionality Reader Validations Passwords	Custom Sync Update Frequency	Set	Clear	Custom Sync Now
Badge Settings Custom Display Validation Colors Doors Trend Settings				
Musters ∃ Alert Settings Email Settings Twilio Alerts	Data Manager Live Log View Pau DEBUG: DataManager Settings Updated	se Mirror Log To:		Browse
	DEBUG: DataManagers Restarted			
	1			Save Cancel

- 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. <u>Not available with ACT Pro integration</u>.
- 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 ACT Pro. 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**.

File Database SQL Import/Exp	vrt
	🥒 🖉 Enable Data Manager Type: VANDERBILTACTPRO Setup Data Man
l General Add / Edit Display Badges RFID	Sync Timers Sync Options
User Defined Fields Muster Settings	Pull DataManager Occupancy Event Processing Retry Count 3 Default Outside Zone V Default Role
Question Setup Logging Client Settings	Pull Data Manager Activities into XPressEntry DMPrefix
Wiegand Format Data	Push XPressEntry Activities to Data Manager Muster Scanned Users never
Database Data Manager VANDERBILTACTPRO Software Event Viewer Reader Profiles Handheld Functionality Reader Validations Passwords Badge Settings Custom Display	Watch Tables via Software Events Enable Message Queue Message Queue Name \Private\$\DataManagerEvent Event Processing Loop Limit 10
Validation Colors Doors Trend Settings	Clear Data Manager Settings Clear External Data
Musters ⊟ Alert Settings Email Settings Twilio Alerts	Data Manager Live Log View Pause Mirror Log To: Browse DEBUG: DataManager Settings Updated DEBUG: DataManagers Restarted Browse

- 1. **Pull Data Manager Occupancy** Enables use of the Occupancy Sync.
- 2. **Pull Data Manager Activities into XPressEntry** Enables use of the Activity Sync. *Not available with ACT Pro.*
- 3. **Push XPressEntry Activities to Data Manager** Enables XPressEntry to push Scan data to ACT Pro.
- 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 ACT Pro specific settings.
- 8. Clear DataManager Settings Resets all settings on the two above tabs, as well as the ACT Pro specific settings.
- 9. **Clear External Data** Deletes all data synced from ACT Pro from the XPressEntry Database.

ACT Pro Data Manager Setup Page

Press the Setup Data Manager button to get the ACT Pro specific setup screen. In the new

Database Credentials		
User Name Administra	tor	
Password		
Manual Login/Logout Zones		
Login Building		· · · · ·
Logout Outside		~
Hours for activity download		1
Page Size	100 🗘	
	User Name Administra Password Manual Login/Logout Zones Login Building Logout Outside Hours for activity downloar	User Name Administrator Password Manual Login/Logout Zones Login Building Logout Outside Hours for activity download 24

window, you will see the following:

Domain Credentials

- 1. Domain Name Windows Client Credentials domain name.
 - a. Even if ACT Pro Server and XPressEntry are installed on different machines, they should be on **same domain**.
- 2. User Name (Domain) Windows Client Credentials username for the system where ACT Pro is installed.
- 3. Password (Domain) Windows Client Credentials password

Database Credentials

- 1. Username ACT Pro DBUser username
- 2. **Password** ACT Pro DBUser password
- 3. ACTProServer IP IP address of the ACT Pro server. Use localhost if it is in the same system as XPressEntry.
- 4. **Port** API Port for ACT Pro Server. **8004** is the default value.

- 5. Server TimeZone TimeZone of the ACT Pro Server. This is required to process the activity time correctly. The default is PST.
- 6. **Manual Login Zone** Zone into which a user is entered when a manual login is performed.
- 7. **Manual Logout Zone** Zone into which a user is exited when a manual logout is performed.
- 8. **Hours for activity download** Past hours for which we need to download the activities.
- 9. **Page Size** Page size to fetch the records. Default is **100**.

Click **Test Connect** after entering all the data correctly. This will connect to the ACT Pro system using the given user's name and password.

The result will display **Connection Success!** if connected to ACT Pro successfully. If there is any error in the connection it will show in the same result window.

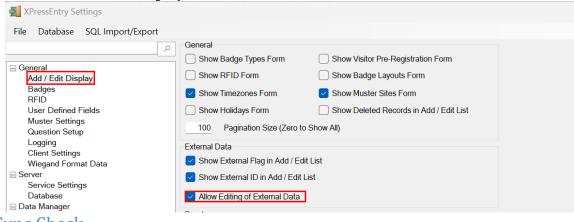
Exit out of this form. On the Data Manager tab of the Settings form, select **Save**. It is now time to begin syncing data.

Set up XPressEntry Data

XPressEntry Data

After setting up the data manager, run the initial **Full Sync** to pull data from ACT Pro. Once the ACT Pro system is set up and synchronizing, you will see this data represented in XPressEntry under the **Add/Edit Info** tab.

Data which is imported from ACT Pro **cannot be changed** and is greyed out in XPressEntry without proper permissions. To allow for editing of data, please refer to **XPressEntry Settings** > **General** > **Add/Edit Display**.



Sync Check

The purpose of this section is to help the operator understand exactly what data XPressEntry is pulling from ACT Pro. For a quick setup, please navigate to the next section – **Configuring XPressEntry Using ACT Pro Data.**

ACT Pro	XPressEntry
Doors	Doors
Doors	Readers
Users	Users
Cards	Badges
Time Zones	Time Zones
User Groups	Groups
Holidays	Holidays

Below are the Mapping details of each Data pulled from ACT Pro.

Doors

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

Here is a sample of a properly synchronized doors: *XPressEntry Doors*

	AFTessEntry Doors	
File 🔐 Tools 🐼 View 📢	Logout 🚫 Entry/Exit 🕅 Muster	Help
Entry/Exit Muster Events HealthCheck Activity Histo	ry Messages Add/Edit Info Server Activity	
	External Record:1	
Filter 📀 🔿 🔿 🔞	Users Companies Groups Zones Doors Readers Roles T	Timezones Muster Sites
Door 1 - 1	Door Name	
Door 1 - 2 Door 2 - 1	Door 1 - 1	
Door 2 - 2 Door 3 - 1	Start Zone	
Door 3 - 2 Door 4 - 1	Outside ~	
Door 4 - 2 XPF-Entry	End Zone	
	Building ~	
	Door RFID Tag #	
	External Entry Reader	
	Reader-Door 1 - 1 V	×
	External Exit Reader	
	Reader-Door 1 - 1 ~	×

ACT Pro Door

Doors			,	P Advance	ed ♥					Prin	t Export	Add Door
📊 Live System 😭		No. D	oor Name	Controlle	r Name	Controller	Local Addr.	Firmware	Status	Elevator	Enabled	
Live System		1 D	000r 1 - 1	Controller	1	1	1		3		~	
🔘 Quick Setup		2 D	000r 1 - 2	Controller	1	1	2		3		~	
		3 D	oor 2 - 1	Controller	2	2	1		3		~	
Advanced Setup		4 D)oor 2 - 2	Controller	2	2	2		13		~	
·····		5 D	000r 3 - 1	Controller	3	3	1				~	
Controllers/Hub Gro		6 D)oor 3 - 2	Controller	3	3	2		3		~	
((O)) Link Comme		7 D	000r 4 - 1	Controller	4	4	1		3		~	
🔘 Hub Groups		8 D	oor 4 - 2	Controller	4	4	2		4		~	
Doors		9 X	PF-Entry	TelaerisCo	ontroller	5	1				~	
I/O Modules												
Video Servers												
Kone Lift Configuration												
Card Configuration												
	Dele	ete Door	Enable	Disable	Bulk Pr	operties	Autodiscover					

Readers

Since ACT Pro does not have separate readers, readers are created from each door in XPressEntry automatically.

ter		Users Companies Groups Zones Doors Readers	Roles Timezones M	Muster Sites			
Handheld	ls	Name	XPressFreedom S	Settings (optional)			
andheld 1		Handheld 1	Freedom Name	Freedom Board			
erver Reader : DESKTOP-MU erver Reader : DESKTOP-MU		Door	IP Address	10.10.3.255			
erver Reduer . DESKTOP wit	140317	Door 1 - 1 V					
		Profile	TCPIP Port	80			
		Default	Success Value	LED \vee 2			
		GUID	Enable Freed	Enable Freedom Debug 🗌 Relay Sens			
		ddc7ff9cdd90d466	Enqueue Reg	Enqueue Requests Key: DEFAI			
Readers	5	External Muster Reader	RFID Settings (op RFID Reader Mode		v rend 🗌		
eader-Door 1 - 2 eader-Door 2 - 1		Reader-XPF-Entry ~					
		Clear Reader Credential	Antenna Port 1 No Ass IDScan	sociated Reader			
Reader-Door 4 - 1 Reader-Door 4 - 2 Reader-XPF-Entry		Show Reader Setup QR	Upload ID Scan License C				

Users

Here is a sample of a properly synchronized user:

XPressEntry Users

		essages	-						
			External	Record:3					
Filter 🥥 🔿	O Use	ers Comp	anies Group	os Zones Do	ors Reade	ers Roles Time:	zones Muster S	ites	
User 27	Us	ser Pern	nissions Con	ntact Info UDFs	s/Misc				
, User 28		First Name	_	Last Name		MI	Dhata 50	(2)	
User 29	г	First Name	*			IVII	Photo FP	(0)	
User 30	E	Bjorn		Lomberg					
User 31		-						and the second	
User 32	0	Company			~	0	B	Contraction of the second	
User 33 User 34		Emp ID				Visitor		MARCHAR CO.	
User 34 User 35		Lub iD					1		
User 36		Zone	Outside		\sim	Host		10 000	
							6	1	
				02-12 01:09:0	MA e		4	-4'	
User 38			Zone Entry: Last Reader		9 AM		2	4	
User 38 User 39					9 AM			4	
User 38 User 39 User 4					9 AM		-	3	
User 38 User 39 User 4 User 40					9 AM			3	
User 38 User 39 User 4 User 40 User 41			Last Reader				Change	Crap Delata	
User 38 User 39 User 4 User 40 User 40 User 41 User 42 User 42		Role			09 AM ~		Change	Crop Delete	
User 38 User 39 User 4 User 4 User 40 User 41 User 42 User 42 User 5		Role	Last Reader				Change	Crop Delete	
User 38 User 39 User 4 User 40 User 40 User 42 User 44 User 5 User 6	B		Last Reader				Change	Crop Delete	
User 38 User 39 User 4 User 40 User 41 User 42 User 42 User 5 User 6 User 6 User 7		adges 🍃	Last Reader	r: 		View History	Change		
User 38 User 39 User 4 User 40 User 40 User 41 User 42 User 42 User 5 User 5 User 6 User 7 User 7		adres (Last Reader	r: 					
User 38 User 39 User 4 User 40 User 41 User 42 User 44 User 5 User 6 User 7 User 8 User 8 User 9		adges (2)	Last Reader	r: 		View History	Print Bado		
User 38 User 39 User 4 User 4 User 40 User 40 User 42 User 44 User 5 User 6 User 6 User 7 User 8 User 9 doministrator, Company		adges 🍃	Last Reader	r:	e Badge			ge	
User 38 User 39 User 4 User 4 User 40 User 40 User 42 User 42 User 5 User 6 User 7 User 7 User 9 Muninistrator, Company acobsma, Alex		adges (2) Bad	Last Reader	r: S Delet Activated	e Badge (Expired	View History	Print Bado	ge Badge	
User 38 User 39 User 4 User 4 User 40 User 41 User 42 User 42 User 5 User 6 User 6 User 7 User 8 User 8 User 8 User 9 Administrator, Company Aracobsma, Alex , User 43		Badges (2) Bad	Last Reader Entrant Add Badge ge	r: S Delet Activated	e Badge (Expired	View History	Print Bado	ge Badge	
User 37 User 38 User 4 User 4 User 40 User 41 User 42 User 5 User 5 User 6 User 7 User 8 User 7 User 8 User 9 Administrator, Company Jacobsma, Alex c, User 43 CP, Sreejith im, Kelly		Badges (2) Bad	Last Reader	r: S Delet Activated	e Badge (Expired	View History	Print Bado	ge Badge	

XPressEntry will pull the user's image and badge number from ACT Pro. The badge number can be seen at the bottom of the screen.

		ACT Pro Use	rs			
User Details Big	orn Lomberg					
🕎 Home	~	General	User Number:	3		
Live System		Details Options	First Name:	Bjorn	*	
Manage		Door Plans	Last Name:	Lomberg		
LUSERS		Extra Rights	Email			
User Groups	Upload Photo	Recent Events View Doors	Mobile			
	Save Photo	T&A Integration	User Group:	Full Access Group	*	
Door Groups		Audit Details	✓ Enabled			
Doors	Clear Photo		Cards and PIN			
Timezones			Card 1 (One-To-One)	100245299		Ge
Holidays						Þ
DB Users			Manual I	ogin Manual Logou	t Del	ete Save

User Permissions

Here is a sample of properly synchronized user permissions:

XPressEntry User Permissions

Entry/Exit Muster Events Health	Check Activity History Messages Add/E	Edit Info Server Activity	
	Ext	ernal Record:3	
Filter	🥥 🤿 👩 Users Companies	Groups Zones Doors Readers	Roles Timezones Muster Sites
, User 27	User Permissio	ns Contact Info UDFs/Misc	
, User 28	Access Groups	(m)	
, User 29	Access Groups	٤.	Add User to Group
, User 30 , User 31	Full Access Grou	p	
, User 31 , User 32			×
User 33			Allow User to Zone
, User 34			
, User 35			×
, User 36	· · · · · · · · · · · · · · · · · · ·		
, User 37 , User 38	Direct Zone Per	missions 🧃	Show All Zones User has Permission to Access
, User 36 . User 39			
User 4	Zone Name	Timezone	Allow User to Timezone
User 40		Name	Allow User to Timezone
User 41			2
, User 42			
, User 44 . User 5			
User 6			
User 7	Allowed Times	6	
, User 8			
User 9			
Administrator, Company			
k, User 43			
k, User 43 KP, Sreejith Lim, Kelly			
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn			
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn Thonakkod, Subha	cords: 0.01 seconds Add New	Delete S	Save Cancel
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn Thonakkod, Subha	cords: 0.01 seconds	Delete S CT Pro User Group	Save Cancel
k, User 43 KP, Sreejith m, Kelly omberg, Bjorn Thonakkod, Subha Time to Read 46 Re	cords: 0.01 seconds		Save Cancel
k, User 43 KP, Sreejith Lomberg, Bjorn Thonakkod, Subha Time to Read 46 Re	General		Save Cancel
k, User 43 KP, Sreejith Lomberg, Bjorn Thonakkod, Subha Time to Read 46 Re	General Details	CT Pro User Group	
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn Thonakkod, Subha Time to Read 46 Re	General	CT Pro User Group User Number:	3
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn Thonakkod, Subha Time to Read 46 Re	General Details Options	CT Pro User Group User Number: First Name:	3 Bjorn
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn Thonakkod, Subha Time to Read 46 Re	General Options Door Plans	CT Pro User Group User Number: First Name: Last Name:	3 Bjorn
Jacobsme, Alex k, User 43 kP, Sreejith Lim, Kelly Thonekkod, Subha Time to Read 46 Re	A General Details Options Door Plans Extra Rights Recent Events View Doors	CT Pro User Group User Number: First Name: Last Name: Email Mobile	З Вjorn Lomberg
k, User 43 KP, Sreejith Lim, Kelly Lomberg, Bjorn Thonakkod, Subha Time to Read 46 Re	General Details Options Door Plans Extra Rights Recent Events	CT Pro User Group User Number: First Name: Last Name: Email	3 Bjorn

Groups

Since XPressEntry has no separate User Groups and Door Groups, User Groups has been mapped to Groups, and readers have been included in each group according to the door group.

User Groups	Sea	rch	<i>P</i>				Print	Export	Add User
Home		No	Name	Enabled	Number Of Users	Access Rights	-		Elevator G
Tionic		1	Full Access Group		14	All Doors-24 Hou	Jrs		
🗖 Live System		2	Subha's Group UG	V	30	Subha's Doors D	G-Office	Hours TZ	
Manage		3	Demo Group	V	1	All Doors-24 Hou	Irs		
Users User Groups									
Door Groups									
Doors									

ACT Pro Door Groups

Door Group Details	All Doors		
A Home	General	Door Group Number:	255
Live System	User Groups Tenants	Door Group Name:	All Doors *
👔 Manage		Available Doors	Doors in Group
8 Users			م م
User Groups		Name Name	Name Door 1 - 1
Door Groups			Door 1 - 2 Door 2 - 1
Doors			Door 2 - 2 Door 3 - 1
Timezones			Door 3 - 2 Door 4 - 1
Holidays			Door 4 - 2 XPF-Entry
File Tools Vi	ew 🔬 Logout ctivity History Messages	Entry/Exit Muster Add/Edit Info Server Activity External Record:1	ер нер
Filter	🔹 🙆 Users Com		aders Roles Timezones Muster Sites
All Access Demo Group Full Access Group No Access Subha's Group UG	Name Full Access Is Defa Readers Reader-Du Reader-	ault Group Group Allows Re Zones Holidays 1 1 2007 1 - 1 2007 2 - 1 2007 2 - 1 2007 3 - 1 3 5 5 5 5 Z ZZ	eader Login Selected Handheld 1 (Office Hours TZ) Reader-Door 1 - 1 Reader-Door 2 - 1 Reader-Door 2 - 2 Reader-Door 3 - 1 Reader-Door 3 - 2 Reader-Door 4 - 1 Reader-Door 4 - 1 Reader-Door 4 - 2 Reader-XPF-Entry
Time to Read 5 Records: 0.3	8 seconds Add	New Delete	Save Cancel

Configuring XPressEntry Using ACT Pro Data

Now that XPressEntry has access to the ACTPro database, it needs to be configured to use this information. The tabs that need to be configured are the Doors, Readers, and Zones.

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.

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

- 1. **Zones** For each door, set the **start** zone and **end** zone in **ACT Pro**. This will "enter" a user in the specified zone when they enter or exit (or scan at an ACT Pro door).
- 2. External Readers The External Entry Reader is automatically set to the Reader that is created from the **door**.

The XPressEntry Integration with ACT Pro could use default zones created by XPressEntry or could create more zones manually in XPressEntry, since ACT Pro does not have zones. A reader is created in XPressEntry with respect to each door pulled from ACT Pro as shown in the below image.

XPressEntry Doors

External Record:1 External Record:1 Users Companies Groups Zones Doors Readers Roles Timezones Muster Door 1 - 2 Door Name Door 1 - 1 Door 1 - 1 Door 3 - 1 Door 3 - 2 Door 4 - 1 Dutside Value Dutside Value Door 4 - 2 End Zone Building Value Door RFID Tag # External Entry Reeder External Entry Reeder External Entry Reeder X	Sites	Muster Sites		lecord. I	External		
Door 1 - 1 Door 2 - 1 Door 3 - 2 Door 4 - 1 Door 4 - 2 (PF-Entry) Door RFID Tag # External Entry Reader External Entry Reader Reader-Door 1 - 1	Sites	Muster Sites		in the second	1		
bor 1 - 2 bor 2 - 1 bor 2 - 1 bor 3 - 1 bor 3 - 2 bor 4 - 1 bor 4 - 2 PF-Entry Door RFID Tag # External Entry Reader Reader-Door 1 - 1			mezones	Zones Doors Readers Roles T	Users Companies Group	🔮 🛸 🔇	ter
Door 1 - 2 Door 2 - 1 Door 2 - 2 Door 3 - 1 Door 4 - 2 FF-Entry End Zone Building Door RFID Tag # External Entry Reader Reader-Door 1 - 1					Door Name		oor 1 - 1
Start Zone Start Zone Outside Start Zone Outside Start Zone End Zone Building Door RFID Tag # External Entry Reader Reader-Door 1-1 X							
Start Zone Outside ✓ Outside ✓ FEntry End Zone Building ✓ Door RFID Tag # ✓ External Entry Reader ✓ Reader-Door 1-1 ✓					000111		
or 3 - 2 Outside ~ or 4 - 1 Outside ~ End Zone Building ~ Door RFID Tag #					Start Zone		
End Zone Building Door RFID Tag # External Entry Reader Reader-Door 1 - 1 X					The second se		or 3 - 2
End Zone Building Door RFID Tag # External Entry Reader Reader-Door 1 - 1 X				•	Ouiside		
Building ~ Door RFID Tag # External Entry Reader Reader-Door 1 - 1 ~ X					End Zone		
Door RFID Tag # External Entry Reader Reader-Door 1 - 1 ~ X					The second		-Linu y
External Entry Reader Reader-Door 1 - 1 V X				.*	Duilding		
External Entry Reader Reader-Door 1 - 1 V X					Door RFID Tag #		
Reader-Door 1 - 1 × X							
Reader-Door 1 - 1 X					External Extern Devider		
					A CONTRACT OF THE ACCOUNT OF THE PARTY OF		
			×	~	Reader-Door 1 - 1		
					External Exit Reader		
Reader-Door 1 - 1 × ×			×	~	Reader-Door 1 - 1		

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.

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

Readers

In XPressEntry's ACT Pro integration, it is not necessary to associate any reader in the system with a handheld. This association can be done on the handheld when it comes time to scan.

A handheld unit can logically represent any reader in the building. When the handheld is issued to an employee at a specific door, the employee must first set the door on the handheld. The XPressEntry Reader that the handheld represents is based on whether the handheld is in entry mode or exit mode.

For example, let us say that you have handheld A stationed at door A. Door A has two readers associated with it: Reader A-Entry and Reader A-Exit. The employee holding the handheld sets the handheld's door to Reader A. When the employee sees a cardholder walking towards the building, he sets the handheld to Entry mode and scans the cardholder's badge. The handheld in entry mode identifies itself as reader A-Entry and sends an activity to the server.

Later, there is heavy volume exiting Door B. Door B has two readers associated with it: Reader B-Entry and Reader B-Exit. The employee from door A is called to help and brings handheld A. He sets the door on his handheld to Door B and the mode to Exit. When he begins scanning people walking out of the door, the handheld identifies itself as Reader B-Exit and sends each scan as an activity to the server.

Activities

XPressEntry will synchronize activities to ACT Pro if that option has been set by Data Manager.

If XPressEntry is configured to "push" activities, they will appear in the Alarm Mode Software.

You can also track the user location in **the Alarm Mode > Commands > Cardholder location > Select user**.

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 ACT Pro 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.

In addition to this, when ACT Pro is configured to "Watch Table via Software Events" in Sync options, the live event changes in ACT Pro will be pulled into XPressEntry immediately. This includes: Live Activity updates, Cardholder, Badges, Access Level and Time Zones updates.

Watch ACT Pro Live Events

	📃 🗵 Enable Data Manager Type VAN	DERBILTACTPRO	~	Setup Data M	lanager
 General Add / Edit Display Badges RFID User Defined Fields Muster Settings Question Setup Logging 	Sync Timers Sync Options Image: Trigger Data Manager Activities Image: Activities Image: Pull DataManager Occupancy Image: Activities Default Outside Zone Outside	Message Queue Nam Event Processing Loo V Event Processing Ret	p Limit	\$\DataManagerE 10 3	vent t
Client Settings Wiegand Format Data Server Service Settings Database Data Manager Software Event Viewer Reader Profiles Handheld Functionality	 Pull Data Manager Activities into XPressEntry Push XPressEntry Activities to Data Manager Send Activities Retry Count Watch Tables via Software Events Enable Message Queue 	Default Role DMPrefix	Entrant		~
Reader Validations Passwords	Clear Data Manager Settings	Clear Exter	nal Data		
Badge Settings Custom Display Validation Colors Doors Trend Settings ⊟ Alert Settings Email Settings Twilio Alerts Copy Resx File	Data Manager Live Log View Pause	Mirror Log To:		Brox	vse

For more information on XPressEntry functionality, please review the XPressEntry manual.