

XPressEntry / Galaxy REST Integration

Revision 01/22/2024

For use with the XPressEntry Mobile Access Control System

By



Important Notice

Your right to copy XPressEntry software and this manual is limited by copyright laws. Making copies, adaptations, or compilation works (except copies of XPressEntry software for archival purposes as an essential step in the utilization of the program in conjunction with the equipment), without prior written authorization of Telaeris, Inc., is prohibited by law and constitutes a punishable violation of the law.

This software and documentation are copyrighted by Telaeris, Inc. The software and documentation are licensed, not sold, and may be used or copied only in accordance with the Telaeris License Agreement accompanying the software.

©2024 Telaeris, Inc.

All rights reserved worldwide.

Information in this document is subject to change without notice.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning, digitizing, or otherwise, without the prior written consent of Telaeris, Inc.

Trademark Acknowledgements XPressEntry is a trademark of Telaeris, Inc.

Other company and product names may be trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Telaeris, Inc. 4101 Randolph Street San Diego, California 92103 United States of America

(858) 627-9700

www.telaeris.com

Contents

Purpose	
Pre-requisites/Requirements	4
Setting Up System Galaxy to Synchronize with XPressEntry	4
Order of Operations	4
Setup System Galaxy Data and Settings	4
General Tab	5
Reader Profile Tab	5
Data Manager Tab	6
Sync Timers	7
Sync Options	
System Galaxy Data Manager Setup Page	9
Enable XPressEntry Synchronization	
XPressEntry Data	
Sync Check	
Users	
User Permissions	
Groups	
Zones	
Timezones	
Holidays	
Set up XPressEntry Data	
Doors	17
Readers	
Activities	

Purpose

This document is intended to instruct users on how to synchronize an XPressEntry system with a **System Galaxy** 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 <u>https://telaeris.com/documentation</u>.

Pre-requisites/Requirements

- 1. XPressEntry 3.5+
- 2. System Galaxy, any version including 11.8.4.1 + Cloud.
- 3. Part #: pacs-int-001-galaxy
- 4. Windows 8.1+ or server type equivalent

Setting Up System Galaxy to Synchronize with XPressEntry

It is assumed that a version of System Galaxy and XPressEntry are installed on computers or virtual machines that can **talk to each other**, or the **same** computer or virtual machine. To install XPressEntry, you should have Administrator privileges on its respective machine. You should additionally be an **Administrator** or super user in the **System Galaxy** System.

Order of Operations

- 1. Setup System Galaxy's Data and Settings
- 2. Enable XPressEntry Synchronization
- 3. Set up XPressEntry Data

Setup System Galaxy Data and Settings

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



General Tab

- 1. From the Settings page, select **General > Logging**.
- 2. Set the Data Manager Log level to **DEBUG** or **VERBOSE**
 - a. This will allow you to view log entries during the sync process.
- 3. Max Log Size **5000** or higher
- 4. Max Log Age -1 Day or higher

SPressEntry Settings							×
					_		~
File Database SQL Import/Export							
P	Logging						
	Handheld	ERROR	~				
General Add / Edit Display	Tianuneiu	LINON					
Badges		VERBOSE	~				
RFID	Data Manager	VERBOSE	v				
User Defined Fields							
Muster Settings	RFID	INFO	~				
Question Setup							
Logging	Desktop	INFO	~				
Client Settings							
Wiegand Format Data	Service	INFO	~				
Service Settings	our not						
Database	March an Olan	5000 🗘					
🖃 Data Manager	Max Log Size	5000 🖵					
DISABLED - GALAXY_REST	Max Log Age (days)	10					
Software Event Viewer	hax bog rigo (days)						
E Reader Profiles	Purge Time (mins)	240 🗘					
Handheld Functionality Reader Validations	3 ()	2.40					
Passwords		Purge Now					
Badge Settings		T dige Now					
Custom Display	_						
Validation Colors	Include Data Manager GUID in Log						
Doors							
Trend Settings							
Email Settings							
Twilio Alerts							
1000000							
1				_			
					Save	Ca	ncel

Once the integration is complete, set the log level to **ERROR** so only error messages will be tracked.

Reader Profile Tab

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

File Database SQL Import/Export						
£	Profiles					
General Ad/ / Edit Display Badges Badges RFID User Defined Fields Muster Settings Question Setup Logging Client Settings Wregand Format Data Server Service Settings Database Data Manager DISABLED - GALAXY_REST Software Event Viewer Reader Profiles Handheld Functionality Reader Profiles Handheld Functionality Passwords Badge Settings	Validations Zones Holidays Enable Anti-Passback Enable	ble Soft An	Default New II:Passback # Must Match	Clone User's Facility Co	Dele	te
Custom Display Validation Colors Doors Trend Settings Musters Email Settings Twilio Alerts	Next Check Date Badge Activation/Expiration Date User Start/End Date Validating: User Group has Access to Reader Group that is Attached to Door.			Save	Car)Cf

Data Manager Tab

From the Settings page select the Data Manager Tab.

XPressEntry Settings		- O X
File Database SQL Import/Export		
General	P Type GALAXY REST	Add Remove
Add / Edit Display Badges		
RFID User Defined Fields	Name GALAXY_REST	Prefix
Muster Settings Question Setup	GALAXY_REST - Prefix()	
Logging Client Settings Wiegand Format Data ⊟ Server		
Service Settings Database		
□ Data Manager Software Event Viewer □ Reader Profiles		
Handheld Functionality Reader Validations		
Passwords Badge Settings Custom Display		
Validation Colors Doors		
Trend Settings ⊟ Alert Settings		
Email Settings Twilio Alerts		
		Sanity Check Data
		Save Cancel

- 1. **Type** This is the integration type. Select **GALAXY REST** > **Add** > **Save**.
- 2. Go to **Data Manager > GALAXY REST** in sidebar menu.
- 3. Setup Data Manager This sends you to the setup form for GALAXY REST data manager.

Sync Timers XPressEntry uses Timers to pull System Galaxy data into XPressEntry.

	Enable Data Manager Type: GALAXY_I	REST	Setup Data Manager
eneral Add / Edit Display Badges	Sync Timers Sync Options		
RFID User Defined Fields Muster Settings	Disable Concurr Syncs	rent	Send XPressEntry Activities Now
Question Setup Logging Client Settings	Download Activity Frequency	Set Cle	ar Download Activity Now
Wiegand Format Data rver Service Settings	Occupancy Sync Frequency	Set Cle	occupancy Sync Now
Database ata Manager GALAXY_REST	Partial Sync Update Frequency	Set Cle	Partial Sync Now
Software Event Viewer ader Profiles	Full Sync Update Frequency	Set Cle	ar Full Sync Now
Handheld Functionality Reader Validations Passwords Badge Settings Custom Display Validation Colors	Custom Sync Update Frequency	Set Cle	ar Custom Sync Now
Doors Trend Settings Musters art Settings Email Settings	Data Manager Live Log View Unpause Mirror Le	og To:	Browse
zman setungs Twilio Alerts	DEBUG: DataManager Settings Updated DEBUG: DataManagers Restarted		

- 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. It will only grab the last x number of users that were added to the system.
 - a. **Do** use this sync to quickly update any table in XPressEntry.
 - b. Do use this sync to quickly add a new user into XPressEntry from System Galaxy.
 - c. **Do NOT** use this sync to delete a user from XPressEntry who was deleted in System Galaxy.
 - d. **Do NOT** use this sync to update a user from XPressEntry who was changed in System Galaxy.
- 4. **Full Sync Update Frequency** Updates all tables by pulling all necessary records from Galaxy. 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.

Custom	Table Sync				-		×
	Add Table					Done	2
Table	USERS	✓ ✓ Partial?	🔇 Table	BADGES	✓ ✓ Partial?	0	
Table	GROUPS_USERS	✓ ✓ Partial?	8				

Sync Options

Control Setup Data Manager Type: GALAXY_REST Setup Data Manager General Add/ Edit Display Badges Sync Timers Sync Options Badges PriD User Defined Fields Pull Data Manager Occupancy Event Processing Retry Count Image: Comparison of the set of the	XPressEntry Settings			- 0	×
Ad / Edit Display Sync Timers Sync Options Badges Pull DataManager Occupancy Event Processing Retry Count 3 Muster Settings Default Outside Zone Default Role Logging Pull Data Manager Activities into XPressEntry DMPrefix Server Service Settings Push XPressEntry Activities to Data Manager Muster Scanned Users Badges Retry Count 3 Badges Retry Retry Retry Retry Retry Retry Count 3 Server Service Settings Send Activities Retry Count 3 Database Watch Tables via Software Events Muster Scanned Users Badge Settings Enable Message Queue Manager Event Processing Loop Limit 10 Validation Colors Clear Data Manager Settings Clear External Data Validation Colors Clear Data Manager Settings Miror Log To: Browse Alter Settings Data Manager Li		Enable Data Manager Type: GALAXY_RE	EST	Setup Data Mar	ager
Custom Display Validation Colors Doors Clear Data Manager Settings Clear External Data Musters Alert Settings Email Settings Dettays Debug Debug Diata Manager Live Log View Unpause Mirror Log To: Browse	Add / Edit Display Badges RFID User Defined Fields Muster Settings Question Setup Logging Client Settings Wiegand Format Data ■ Server Service Settings Database ■ Data Manager ■ Clata Manager ■ Client Settings Database ■ Data Manager ■ Client Settings BataWarkEST Software Event Viewer ■ Reader Profiles Handheld Functionality Reader Validations Passwords	Pull DataManager Occupancy Default Outside Zone Pull Data Manager Activities into XPressEntry Push XPressEntry Activities to Data Manager Push XPressEntry Activities to Data Manager Watch Tables via Software Events Enable Message Queue Message Queue Name \PrivateS\DataManagerEvent	Default Role DMPrefix Muster Scanned Users nev		
	Custom Display Validation Colors Doors Trend Settings Musters ⊟ Alert Settings Email Settings	Data Manager Live Log View Unpause Mirror Log T DEBUG: DataManager Settings Updated			

- 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 System Galaxy.
- 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 System Galaxy specific settings.
- 8. Clear DataManager Settings Resets all settings on the two above tabs, as well as

the System Galaxy specific settings.

9. Clear External Data – Deletes all data synced from System Galaxy from the XPressEntry Database.

System Galaxy Data Manager Setup Page

Press the **Setup Data Manager** button to get the System Galaxy specific setup screen. In the new window, you will see the following:

	galaxy118.ad.telaeris.com	Custom	User Mappings		
Port:	8000	Sourc	e Columns	Destination	Columns
User Name:	master			~	V
Password:			Source Field	XPressEntry Field	
pi Query Size:	500 🗢				
Use SSL	Create Doors				
Validate SS	L Cert 🛛 Download Pictures				
Verbose AF	PI Data 🗌 Pull Customers As Companies				

- 1. Server IP System Galaxy Server IP Address.
- 2. **Port** System Galaxy Server Port.
- 3. User Name and Password System Galaxy Login details.
- 4. Use SSL Tick this if using a secure connection (HTTPS).
- 5. Verbose API Data Tick this if you want to log API data.
- 6. **Download Pictures** Enabling this will download user images from System Galaxy.
- 7. Create Doors Tick this if you want to create doors in XPressEntry out of the readers pulled from System Galaxy.
- 8. **Pull Customers As Companies** Ticking this will pull customers from System Galaxy and map to XPressEntry as Companies.
- 9. **API Query Size** Number of items to be downloaded in a single API call (Used to optimize API calls).
- 10. **Custom User Mapping** This section is used to pull the General-Purpose-Text fields from System Galaxy.

Click **Test Connect** after entering all the data correctly – this will connect to the System Galaxy access control system.

- *Connection Success!* will display if connected to System Galaxy successfully.
- Any **errors** in the connection 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.

Enable XPressEntry Synchronization XPressEntry Data

After setting up the data manager, run the initial **Full Sync** to pull data from System Galaxy. Once the Galaxy 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 System Galaxy **cannot be changed** and is greyed out in XPressEntry without proper permissions.

Sync Check

The purpose of this section is to help the operator understand exactly what data XPressEntry is pulling from System Galaxy. For a quick setup, please navigate to the next section, **Set up XPressEntry Data**.

System Galaxy	XPressEntry
Reader	Reader
Door	Door
Cardholders	Users
Cards	Badges
Card Data Format	Badge Types
Access Group	Groups
Area	Zones
Schedule	Time Zones
Special Days	Holidays

The mapping of each Data pulled from System Galaxy is shown below.

Users

All External Records (From System Galaxy) 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 System Galaxy. The badge number can be seen at the bottom of the screen.

Here is a sample of a properly synchronized user:

XPressEntry User

Fiter:			External Re	cord 2				
Rest.	2 💠 🖸	🔏 Users 👔 (ors 🔲 Readers	💩 Roles 👩 Timezones 🖳 I	Muster Sites	
			ons Contact Info UDFs/		-			
dministrator, Company chue, Jasmin		First Name	Last Name	MI	Photo	50		
onti, Stan R. eld, Jimmy L.		Stan	Conti	R	Thoto			
ess, Mathew mant, Nichol		Company		~				
oeger, Chris ichiels, Marco		Emp ID G	3001	Visito	e 🖉			
cries, indico		Zone	Default Cluster Inside	- Host				
			one Entry: 03-18 02:11:31 ast Reader:	AM		es!		
					514			
		Role		~	Change Change	Crop Delete		
			27.01-2023	~	Change	Crop Delete		
			27-01-2023	~]]	Change	Crop Delete		
		Start Date] []*]		Crop Delete		
		Start Date End Date	Add Badge 🚳 De] dete Badge 🕝 V	few History	Pint Badge	Bedon Tune	
		Start Date	Add Badge 🕝 De]			Badge Type P.I.V.	
		Start Date End Date	Add Badge 🖉 De Add 598904 264	lete Badge © V tivated Date	tew History	Pint Badge		

System Galaxy User

Maximum Time 3 X Adam Exerts Adam Panel Events Default Cluster Cardholders Counter P1 Uluit # 1 Personal Card(Badge Setting) Data Fields 1 Data Fields 2 Protograph Counter P1 Uluit # 1 Counter 001 Contr 001 Record 10 Main Panel Event 1 Control Timeston Name Panel Ulter / LCD Message Notes Counter 001 Contr 001 Counter 001 Contr 001 Record 17 ppe Control Timeston Name Panel Ulter / LCD Message Notes Counter 001 Contr 001 Record 17 ppe Address 1 Ontrol Timeston Control Timeston Content 001 Contr 002 Record 17 ppe Address 2 Control Timeston East Receiption 1 Content 001 Contr 002 Record 17 ppe Data Fields 1 Control Timeston Dist 11. Secti 1-0 Content 001 Contr 002 Record 17 ppe Data Fields 1 Data Fields 2 Dist 10. Secti 1-0 Content 001 Contr 002 Record 17 ppe Data Fields 1 Control Timeston Dist 11. Secti 1-0 Content 001 Contr 002 Record 17 ppe Data Fields 1 Data 3 Dist 11. Secti 1-0 State Zo Code		
Controllers	Marm Events Alarm Panel Events Default Cluster Reader Ports Cardholders x	
Image: Contract Information Image: Image: Contract Information Image: Image		
Contact Information Conta		.CD Message Notes
Cluster 001, Cent: 002 Cluster 001, Cent: 002 Cluster 001, Cent: 002 Cluster 001, Cent: 002 Last Name Cons State Detactine Trace Staked Proce State State Department Let I Department Let Z Department Let Z <t< td=""><td></td><td></td></t<>		
Cluster 001, Cent: 002 Cluster 001, Cent: 002 Cluster 001, Cent: 002 Cluster 001, Cent: 002 Pixt Name Stan Pixt Name Stan Pixt Name Stan Clustere Pixt Name Stan Pixt Name Stan Clustere Pixt Name Stan Clustere Clustere Pixt Name Stan Clustere Pixt Name Stan Clustere Pixt Name Stan Clustere Pixt Name Stan Clustere Pixt Name Pixt N		
Cluster 001, Cent: 002 Record Type Address 2 Cluster 001, Cent: 002 Last Name Chy Cond Chy Chy State Chy Chy State Chy Chy State Chy Chy Middle Name State Chy State Chy Chy Chy Chy Chy State Chy Chy State<		
Last Home Cons Cons State State State State State State Customer Home Phone Phone Phone Phone Phone Ut I Department Last		
List Name Cond Plast Name State State State State Customer Home Phone Home Phone Prest Name Pages 2 Page State Proved to The Attractance Page State Page S	3/17/2023 8:41:1	L PM
Conti State First Name State Stan State Middle Name Zp Code R Zp Code Customer Imachine Mone Phone Trace Enskel Phone Pase Strakel 994537988 List I Department List I List I Data 1 Data 3 List 2 Data 2 Deta 4	Name Chu	
Stan 2p Code 2p Code 0.0.8. R 2p Code 0.0.8. 0.0.8. Customer 0.0.8. 0.0.8. 0.0.8. Teachine 0.0.8. 0.0.8. 0.0.8. Phone 0.0.9. 0.0.9. 0.0.9. 994537968 Uait 1 Data 1 Data 3 List 2 Data 2 Data 4 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.		5 AM
Adde Name Zp Code Data R Lastoner Pactive Customer Proce Phone Pass Physical Disability Phone Pass Physical Disability Phone Pass Physical Disability Phone Pass Physical Disability Pass Physical Disability Past a 1 Department Let 2 Let 2 Data 1 Data 3	Name State Last Modified	
Mode Rame 20 Lode R Intel Fine Customer Intel Fine Tellionsi Intel Fine Poxe Intel Fine 9945379658 Intel Fine Department Let I Test Department Let I Let 2 Data I Data I Data 3 Let 2 Data 2 Data 4	n 2/7/2023 3:54:13	АМ
R Imachine Customer Home Phone Telannis Proce 99463379683 Has Version Department Lat 1 Data 1 Data 3 Department Lat 2 Lat 2 Data 4		
Customer Hone Phone Trace Enviced Teatorns Proce Pooe Pooe Pase Myorid to Time Attendance Pase Myorid Doublity Pooe Pase		·
Febores Proved to Time Attendance Picone Picone 946379688 Pisa Vertição Department Data 1 Ust 2 Data 2 Data 4		Date 2
Phone VIP VIP OTTS split Group Operation Pepertment Let I Data I Data 3 Inst Operation Lat 2 Data 2 Data 4	Forward to Time Attendance	* 🖸 📴
98-45379688 Heis Vertigo OTTS Split Group Operation Department Let 1 Data 1 Data 3 Test Department Let 2 Data 2 Data 4		
Department Test Decontinent Lat 2 Date 2 Date 4		ation
Test Department.	List 1 Data 1 Data 3	
Let 2 Date 2 Date 4		
Communication Settings		
Communication Settings		
	mmunication Settings	
Enal Address		
sreejth@telseris.com Email Address Confirmed Send Tokens Via Email	reejth@telaeris.com Email Address Confirmed Send Toke	ns via Email
Mobile Number	oble Number	
Mobile Number Confirmed Text Messages Allowed Send Tokens via Text	Mobile Number Confirmed Text Messages Allowed Send Toky	ns via Text

These users are seen in the Cardholders Window in the System Galaxy.

User Permissions

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

		Ext	ernal Reco	rd:2				
er:	🥥 🔿 🔕 Users 🔟				Doors 🔲 R	aders 👌	Roles	Timezones 🖳 Muster Stes
ministrator, Company	User Permiss		Info UDFs/Mis	c				
chue, Jasmin nti, Stan R.	Access Groups						0	Add User to Group
ld, Jimmy L. ess, Mathew	Default Cluster Default Cluster	Company Acce Parking Acces	998 8					
nnant, Nichol Jeger, Chris								Allow User to Zone
chiels, Marco								
	Direct Zone Pe	missions					0	Allow User to Timezone
	Zone Name							
	Allowed Times						0	
	Timezone						_	
	Name	Start	EndTime	Mon T	ue Wed	Th	Fri	

XPressEntry Permissions Readers

		External Record:1:1	
r: Access au Outer''' NO ACCESS GROUP ** au Outer''' UNUMITED ACCESS ** au Outer Company Access au Outer Farking Access Access	0	External Record: 1:1 Uess Comparies Groups & Zones Doors Readers Readers Timezones Mu Name Default Quater Company Access Default Quater Control 1. Bet 1. Sect 1-0 Cuater Cont. Cont. 001. Bet 1. Sect 1-0 Cuater Cont. Cont. 001. Bet 1. Sect 1-0 Cuater Cont. Cont. 002. Bet 1. Sect 2-0 Cuater Cont. Cont. Dog Advect 2-Sect 2-0 Cuater Cont. Cont. Bet 2-Sect 2-0 Cuater Cont. Bet 2-Sect 2-0 Cuater Cont. 2-Sect 2-0 Cuater Cont. Bet 2-Sect 2-0 Cuater 2-Sect 2-0 Cuater Cont. Bet 2-Sect 2-0 Cuater 2-Sect 2-0 Cuater 2-Sect 2-0 Cuater 2-Sect 2-0 Cuater 2	st Time Schedule - Morning) ALWAYS **)
		Tmezones ***AlWAYS ** **NEVER ** Sneight Test Time Schedule Test Time Schedule - Morning	
Time to R	ead 6 Records: 0.02 seconds	Add New Delete Save Cancel	

The **Company Access** and **Parking Access** groups have two readers assigned in the Access Group settings in the System Galaxy System Configuration as seen in the below image.

XPressEntry User Permissions

System Galaxy Permissions

Default Cluster	Alarm Events Alarm Panel E	Vents Default Cluster Cardhol	Add New Edit	Delete Apoly Cancel Enroll CAC Can	0					
Cluster #: 1, Unit #: 1	Conti, Stan		Add New Coll	Dece MMY Cane Chronology						
	Record ID (Multiple Credentals) Personal Cord/Badge Settings Data Fields 1 Data Fields 2 Photo Badging Alarm Panel User / LCD Message Notes									
Doors/Readers	2 Reports *	Select Card 1	Add New Delete	Add/Delete T/A Punches						
Cluster: 001, Cont: 001	Common ID	Card Data	Card Options							
Cluster: 001, Cont: 002	G3001			Loop/Cluster Settings ASSA DSR Authorizations						
Cluster: 001, Cont: 002	Record Type	Card Description	Card Disabled	Edit Loops View Audit						
Cluster: 001, Cont: 002		Card 1	PIN Exempt	Authorized Loops						
	Last Name	Card Technology	Auxiliary Function Enabled Passback Exempt	Default Cluster 🗸						
	Cont	P.I.V.	Active Date	Access Profile						
		Agency Site Credential	1/26/2023 🔄+	Test.						
	First Name Stan	12 1 120120	Expire Date	Select Access Groups						
	1	PIN / Card Role	By Date	Company Access						
	Middle Name	00014 Access Control 🥪	1/26/2024 ~	Parking Access						
	R			Parliang Access						
	Customer	Fingerprint Data	Badge Settings Dossier Settings	Parking Access						
	Telaens	Errol in MarphoManager	Badge Design	Politi ginuccio						
	Phone									
	9846379688		Print Preview	Defer to Server for Access Decision:						
	Department		Print Limit Print Count	Never Defer to Server						
	Test Department		0 0							
			Last Printed	Action if Server Does Not Reply: Command Scrip	and the second se					
			Last Presed	Follow Panel Decision Can Toggle Lock-Un	lock State (635 on					

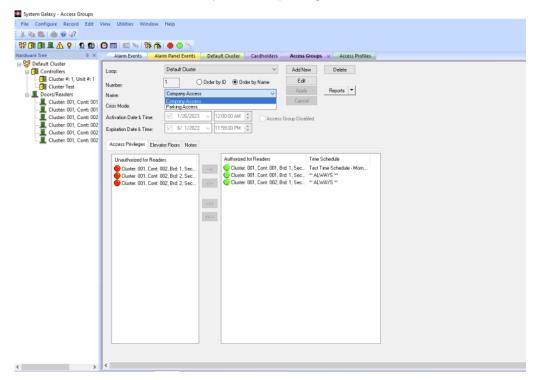
Groups

System Galaxy Access Groups are mapped to Groups in XPressEntry.

XPressEntry Groups

		External Record:1:1	
er.	2 = 0	🦀 Users 🔝 Companies 🏶 Groups 🦗 Zones 📃	Doors 🔲 Readers 灥 Roles 👩 Timezones 🖳 Muster Sites
Access aut Cluster:** NO ACCESS GROUP ** aut Cluster:** UNLIMITED ACCESS **		Name Default Cluster:Company Access	
ault Cluster Company Access ault Cluster:Parking Access	0	Group Allows Reader Login	
Access		Readers Zones Holidays	
		Readers	Selected
		Cutter 001. Cort: 001. Bid: 1, Sect: 1-0 Cutter: 001. Cort: 001. Bid: 1, Sect: 2-0 Cutter: 001. Cort: 002. Bid: 1, Sect: 2-0 Cutter: 001. Cort: 002. Bid: 1, Sect: 2-0 Cutter: 001. Cort: 002. Bid: 2, Sect: 2-0 Handheld 1 Handheld 2 Server Reader : DESKTOP-G30M7MD	Clutter: 001, Cort: 001, Bert 1. Sect: 1-0 ("ALWAYS") Clutter: 001, Cort: 101, Bert 1. Sect: 2-0 ("ALWAYS") Clutter: 001, Cort: 002, Bert 1. Sect: 1-0 ("ALWAYS")
		Timezones ** ALWAYS ** ** NEVER ** Sreath Test Time Schedule	> <
		Jeggin me hind Sofielde - Moning	
		Add New Delete Save	Cancel

System Galaxy Groups



Zones

The Areas in System Galaxy should be available to view in the **Zone** tab under **Add/Edit Info** in XPressEntry. Here is a sample of properly synchronized Zones.

		X_{\cdot}	PressE	ntry Zo	nes		
File 👭 Tools 🤅	😵 View 🔥 Logout	Entry/Exit					Relp
Entry/Exit Muster Activity History Mes	sages Add/Edit Info Logs	-					
				Record:1:3			
Filter:	o 🗢 📀		ompanies 🛛 🎂 Gr	oups 🥍 Zones	Doors 🔲 Readers 🔏	🖥 Roles 1 Timezones 👫 Muste	Stes
Building Default Cluster:** IN **		Name Default Cluster:In	side				
Default Cluster:** NO AREA ** Default Cluster:** NO CHANGE ** Default Cluster:** OUT ** Default Cluster/Inside Default Cluster/Outside		Description					
Outside		Parent Zone	da				~
		Zone is Outs					
		Zone is a Ha	zard Area				
		Door		Stat Zone	End Zone	Esternal Entry Reader	Edemal Ext Reader
Ti	me to Read 8 Records: 0.03 seconds	Add New	Delete	Save	Cancel		
Activity Occupancy Partial Full I	Total Occupancy: 2 Inside	17000	1	Olloread	Marragar	I Senice But	mina Lacally

Timezones

Timezones are pulled from System Galaxy **Time Schedules** in XPressEntry. Timezones should be available to view in the **TimeZones** tab under **Add/Edit Info**.

If a single Time Zone has multiple standard time ranges for different days of the week, XPressEntry will create additional intervals to support this. Also, XPressEntry will ignore the time zone intervals with same start and end time.

	🛛 🗢 🔕 🔏	Users 👔 Con			cord:1			Reader	- 💩 R	oles 👩 Time:	tones DA Muster Stes
'S **		neral Advances	4			_			-		
chedule		lame									
hedule		sample Schedule									
	D	Description									
	C	Issues Warnin	ng Messa	age							
	1	Intervals									
		Start	End	Mon	Tue	Wed	Th	Fri	Sat	Sun	
	•		12:00:00			0					
		09:00:00	17:00:00								
		09:00:00	17:00:00								
		09:00:00		0	0			0		0	
		09:00:00				0					
		09:00:00				0					
		10:00:00	12:00:00								
	6	Add Interval	0	Delete Inter	val						
	-	nterval Details									
		Monday	_								
		Tuesday		Start	Time 0	0:00:00	 \$				
		 Wednesday Thursday 		End	Time 0	0:00:00	-				
		Friday Saturday									
		Sunday									
	L. L. L.										

XPressEntry Timezones

System Galaxy Time Schedules

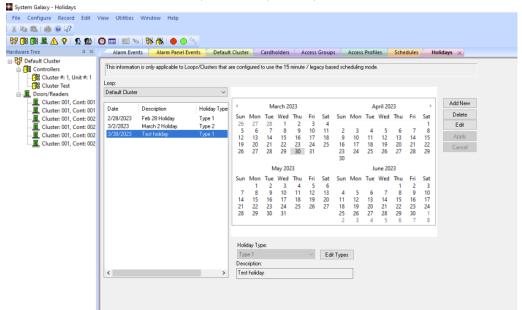
📫 System Galaxy - Schedules						
File Configure Record Edit V	fiew Utilities Window	w Help				
i 🐰 📭 💼 i 🏟 🙆 🕅						
😫 🕅 🕅 📠 🛆 🧕 😡 🕼	🖸 📰 📰 📎 😽 (🕷 i 🗢 🔾 %				
Hardware Tree 🌐 🔍	Alarm Events	Alarm Panel Events Default Cluster Cardholders	Access Group	os Access P	rofiles Schedules ×	
Default Cluster Octool Cluster						
Cluster #: 1, Unit #: 1						
Cluster Test	Loop:	Default Cluster 🗸	Add New	Apply	Reports 🔻	
Doors/Readers	Number:	2 Order by ID Order by Name	Edit	Cancel		
- E Cluster: 001, Cont: 001		Sample Schedule	Delete	Copy		
- Cluster: 001, Cont: 002	Schedule Name:	Campio Concluso				
- E Cluster: 001, Cont: 002 - E Cluster: 001, Cont: 002	Sundav	1 2 3 4 5A6M7 8 9 10 11 1 2 3 4 5F	26M7 8 9 10 1	Times		
Cluster: 001, Cont: 002	Sunday	1 2 3 4 5A6M7 8 9 10 11 1 2 3 4 5F	6M7 8 9 10 1			
	Monday			Times		
	Tuesday	1 2 3 4 5A6M7 8 9 10 11 1 2 3 4 5F	26M7 8 9 10 1	Times		
	Wednesday	1 2 3 4 5A6M7 8 9 10 11 1 2 3 4 5F	26M7 8 9 10 1	Times		
		1 2 3 4 5A6M? 8 9 10 11 1 2 3 4 5F	P6M7 8 9 10 1	1		
	Thursday			Times		
	Friday	1 2 3 4 5A6M7 8 9 10 11 1 2 3 4 5F	P6M7 8 9 10 1	Times		
	Saturday	1 2 3 4 5A6M7 8 9 10 11 1 2 3 4 5F	P6M7 8 9 10 1	Times		
	Holiday Settings:	Schedule is affected by holidays				
		Type 3 Type 4 Type 5 Type 6 Type 7 Type 8 Type	. 0			
	Type 7 Type 2	Type 3 Type 4 Type 5 Type 6 Type 7 Type 6 Type	63			
	1 2 3 4	5R6M7 8 9 10 11 1 2 3 4 5P6M7 8 9 10				
			Times			

Holidays

Holidays are the simplest tables to pull from System Galaxy. Timezones are pulled from System Galaxy **Holidays** (**Special Days**) Window. All the Holidays pulled should be available to view in the **Holidays** tab in XPressEntry.

		XPress	Entry H	olidays				
File File Tools 🐼 View	Logout	Entry/Exit	t					Pelp
Entry/Exit Muster Activity History Messages Add/	Edit Info Logs							
			Record:1:1					-
Filter:	. 🖉 🌩 🔕		panies 🎂 Group	os 📉 Zones	Doors 📙 Read	ers 🍓 Roles 🎙	Timezones 📅 Holidays	Muster Sites
Feb 28 Holiday March 2 Holiday		Name Test holiday						
Test holiday		Description						
		Type 1						
		Start Date						
		30 Mar 2023 00:00:	:00		Repeats every year			
		End Date						
		30 Mar 2023 23:59:	24					
Time to Read 3 Reco	ords: 0.02 seconds	Add New	Delete	Save	Cancel			
Activity Occupancy Partial Full Tota	al Occupancy: 2 Inside	1 Zone	1	0 Unread M	essages	1	Service Running Loca	ily .

System Galaxy Holidays



Set up XPressEntry Data

Now that XPressEntry has been synchronized with the System Galaxy 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.

The XPressEntry Integration with System Galaxy **does not require additional start and end zones**. However, XPressEntry can help keep track of what zones people are in if configured correctly.

If we tick the option **Create Doors** in the **Galaxy Data Manager Setup window** (see *System Galaxy Data Manager Setup Page*) then, while pulling readers from System Galaxy, a door is created in XPressEntry with respect to each reader as shown in the below image. Otherwise, we need to create a door manually, which is explained below.

Ethy/Exit Muster Activyt Hatory Messages Add/Edit Ho Logs External Record:11: File: Comparison & Concert Oll Bed: 1 Sect: 20 Concert Oll Cort: 001 Bed: 1 Sect: 10 Concert Oll Cort: 001 Bed: 1 Sect: 10 Concert Oll Cort: 002 Bei 2 Sect: 10 Concert Oll Cort: 002 Bei 2 Sect: 20 Cort Bed 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Text to cort: 001 Bed: 1 Sect: 10 Conter: 001 Cort: 001 Bed: 1 Sect: 10 Conter: 001 Cort: 001 Bed: 1 Sect: 10 Conter: 001 Cort: 001 Bed: 1 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bed 7 Becords: 002 Bei 2 Sect: 20 Cort Bei 2 Sect:	File 👬 Tools 🛞 View 🔌 Logou	ut SEntry/Exit	(?) Help
Filter Image: Control of Cont. 001 Bott 1 Sect. 10 d* Custer: 001 Cont. 001 Bott 1 Sect. 10 Control 001 Cont. 001 Bott 1 Sect. 10 d* Custer: 001 Cont. 002 Bott 2 Sect. 10 d* Custer: 001 Cont. 002 Bott 2 Sect. 10 d* Custer: 001 Cont. 002 Bott 2 Sect. 10 d* Custer: 001 Cont. 002 Bott 2 Sect. 10 d* Custer: 001 Cont. 002 Bott 2 Sect. 20 Beader Der RFID Tag# Eternal Entry Reader Custer: 001 Cont. 001 Bott 1 Sect. 10 Dorr RFID Tag# External Entry Reader Custer: 001 Cont. 001 Bott 1 Sect. 10 Custer: 001 Cont. 001 Bott 1 Sect. 20 de dt New Der RFID Tag#	Entry/Exit Muster Activity History Messages Add/Edit Info Logs		
Contern 001 Cort: 001 Bet: 1, Sect. 10 dr. Cutter: 001, Cort: 002, Bet: 2, Sect: 10 dr. Cutter: 001, Cort: 002, Bet: 2, Sect: 20 Default Cutter: 001, Cort: 002, Bet: 2, Sect: 20 Test Door Test Door Addit Mow Doolate: 001, Cort: 001, Bet: 1, Sect: 10 dr. Cutter: 001, Cort: 002, Bet: 2, Sect: 20 Test Door Coulds: Cort: 002, Bet: 2, Sect: 20 Coulds: Cort: Cort: 001, Bet: 1, Sect: 10 Coulds: Cort:			
Time to Read 7 Records: 0.02 seconds A Q New Delete Save Cancel	dr Ounter 001 Cort. 001. Brd. 1. Sect. 1.0 dr_Ounter. 001, Cort. 001, Brd. 1. Sect. 2.0 dr_Ounter. 001, Cort. 002, Brd. 1. Sect. 1.0 dr_Ounter. 001, Cort. 002, Brd. 1. Sect. 2.0 dr_Ounter. 001, Cort. 002, Brd. 1. Sect. 2.0 dr_Ounter. 001, Cort. 002, Brd. 2. Sect. 2.0 dr_Ounter. 001, Cort. 002, Brd. 2. Sect. 2.0 dr_Ounter. 001, Cort. 002, Brd. 2. Sect. 2.0	Door Name dr_Ouster: 001, Cort: 001, Brd: 1, Sect: 1-0 Stat Zone Default Ouster Outside Door RFID Tag# External Entry Reader Cluster: 001, Cont: 001, Brd: 1, Sect: 1-0 X External Ext Reader Cluster: 001, Cont: 001, Brd: 1, Sect: 2-0	n Muster Stes
	Time to Read 7 Records: 0.02 seconds		

- 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 a System Galaxy readers).
- 2. External Readers Attach the logical **entry** and **exit readers** that you created in System Galaxy.

There should be a door in XPressEntry for each physical station that an employee will have a handheld. To create a door:

- 1. Select **Add New** at the bottom of the form.
- 2. Enter a name that clearly describes what this door represents.

- 3. Select **Outside** for Start Zone and **Building** for End Zone.
- 4. Since each door is created based on a reader, The "External Entry Reader" will be always the Selected Reader. "External Exit Reader" is one of the Exit readers you created in System Galaxy.

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 System Galaxy 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.

Activities

XPressEntry will synchronize activities to System Galaxy if that option has been set by the Data Manager.

- 1. If XPressEntry is configured to **push** activities, they will appear in the **Event** and **Alarm monitoring section** in the System Galaxy Software.
- 2. 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 System Galaxy 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.

For more information about the functionality of XPressEntry, please look at the XPressEntry manual.