



DSX Access Systems, Inc.

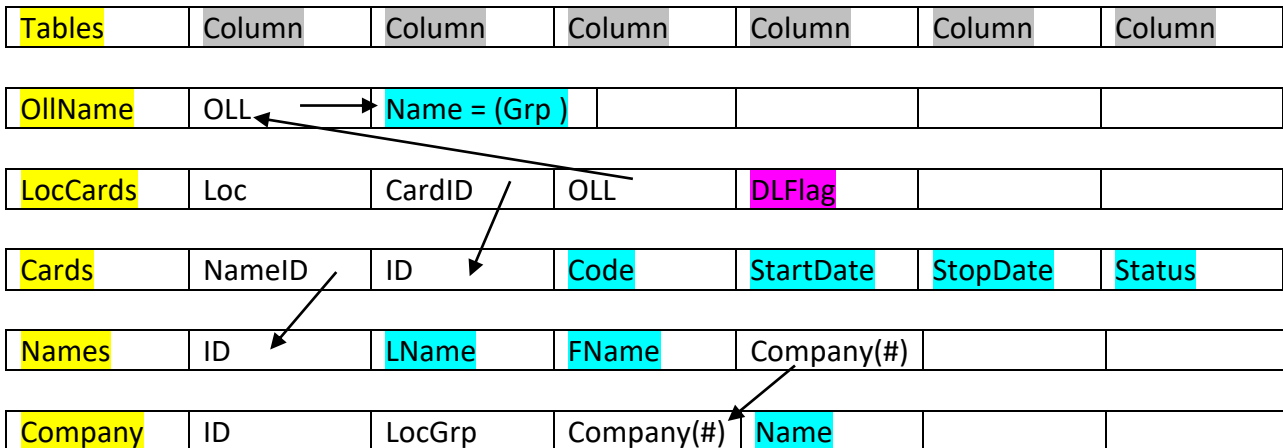
## DSX Elevator Integration

### DSX-Elevator Integration - braXos

#### Preparation

- The system will have a new location added that is dedicated to the Elevator System. It will have a device 0 defined and Named Elevators. Device 1-127 will be defined with the same name as the readers in the elevator system that are not connected to DSX Controllers.
- Linking Levels will be defined that correspond to the Groups (**Grp**) that are defined in the Elevator System. The linking levels are simply names that match the name of the predefined Elevator Groups that determine where card holders can go in the elevator system.
- Access Levels that are defined for the building will have to be modified to include the Device 0 from the Elevator Location, or there will need to be a new level created for the elevator system and added to anyone that needs access to the elevators.
- The Tenants of the building must be defined in WinDSX under Company and all Card Holders must be assigned to their respective Company. The Company identifier can also designate what Elevator Access the Card Holder has. Additional privileges are given through the Linking Level assigned to the Card Holder under this new Location.

## Relationships



- Fields marked in Blue are the data fields braXos will be mining.
- The LocCards Table is the Table braXos will be watching and managing. In particular the LocCard records that have a Loc number that equal the location number of the Elevator Control System in the DSX DataBase. For this example, it is Location 3 or Loc 3. This is why the Elevator System must have a dedicated Location that is grouped to the building locations.
- The LocCard Records that have a 3 in the Loc column will have a Card ID and an OLL number. The OLL number is the Linking level or OLL number in the OLLNames table. From the OLLNames table use the OLL number to find the Name which corresponds to the Group in the Elevator System. The LocCards table also has a CardID that matches the ID field of the Cards table.
- The Cards table has data fields that will be required such as Code, StartDate, StopDate, and Status. The NameID field corresponds to the ID field of the Names table where you can find the First, Last names and Company number. Company number is related to Company number in the Company table where the Company Name can be found.

## Operation

- In the LocCards table all records that have a Loc of 3 (loc 3 is the example) and a DLFlag of 1 are records being added or modified. Once that data and all required related data is gathered for those records the DLFlag of 1 will have to be changed back to 0. A DLFlag of 2 is a delete. The data for those records needs to be gathered and then those records need to be deleted but only for the elevator location (in this case Loc 3).

## History

Follow these instructions to record the Card Holder Elevator Events in WinDSX.

The dedicated Location will have the Readers defined as 1-127 under devices. These device numbers and names for the elevator location can be found in the DEV table of the AcsData database.

DataBase = AcsLog

Table = EvnLog

TimeDate	Loc#	Event#	Dev#	IO or Company#	IO Name Dev Name	Code Card #	LName	FName	Opr # or Name ID	WS or Floor #
2017-02-23 09:14:00.000	1	174	0	1	Cab 1	1498371				
Denied-Card Holder is unknown										
2017-02-23 09:18:35.000	1	175	0	1	Cab 1	1498371	Adams	John	2	
Denied-Trying to access at wrong time and/or day										
2017-02-23 09:18:48.000	1	176	1	1	Cab 2	1498371	Adams	John	2	
Denied-Trying to access at wrong reader / no access here										
2017-02-23 09:23:31.000	1	7	1	1	Cab 2	1498371	Adams	John	2	27
Granted-Elevator Access w Floor										

## Columns

1. Time Date = YEAR-MM-DD Hours:Minute:Seconds
2. Loc# = Location Number. This is the Elevator Location Number.
3. Event# = Events Codes above may be all that is needed.
4. Device# = Device Number of Reader defined in the Dev Table for the Elevator Location
5. IO = Company number of card holder. Company is assigned to Card Holder Name
6. IO Name = Name of Reader corresponds to Device #. Name field of DEV table.
7. Code = Card Number. This is Code Field of Cards Table.
8. LName = Card Holders Last Name. This is LName of Names table.
9. FName = Card Holder First Name. This is FName of Names table.
10. OPR# = NameID of Card Holder Name. This is the ID field of the Names table.
11. WS = Workstation Number or Floor Requested