May 2023

Vicon Access Control Version 3.1 (build 34)

General Description

Vicon has released an updated version of the Vicon Access Control (VAX) Server software. This update includes the enhancements and fixes listed below. Installing this version on currently installed VAX software will not require any new licensing and will not change the system settings.

Vicon Production

This new software version will be used by Vicon production going forward. It will be published on the Vicon website as:

1) Full installation package including SQL Express 2019 and other prerequisites.
   This version is recommended for new installation on a server that does not have internet access.

2) Compact installation package for upgrades on server with internet access.

Field Installation

New Systems

Installing this software version on either Vicon hardware or on compatible COTS/VM hardware should be done according to the published specifications and installation guide.

Updating Existing Systems

Installing this software version on existing hardware must meet the minimum requirements. It is recommended to backup VAX settings prior to upgrade in the event of any issues occurring during the upgrade process.

Licensing

The VAX server requires a valid VAX license in order to operate correctly. If this software is installed to upgrade an older version of VAX, the license on the system will remain valid. For a new installation, the system allows a grace period to license the system through Vicon sales. Please make sure to license the system as soon as possible to avoid licensing related issues.

New Features and Operational Changes

New UI Design

VAX has a new interface with the ability to view and customize the system dashboard giving real-time status of the system. It is optimized for larger systems, allowing you to manage thousands of doors with the following tools:
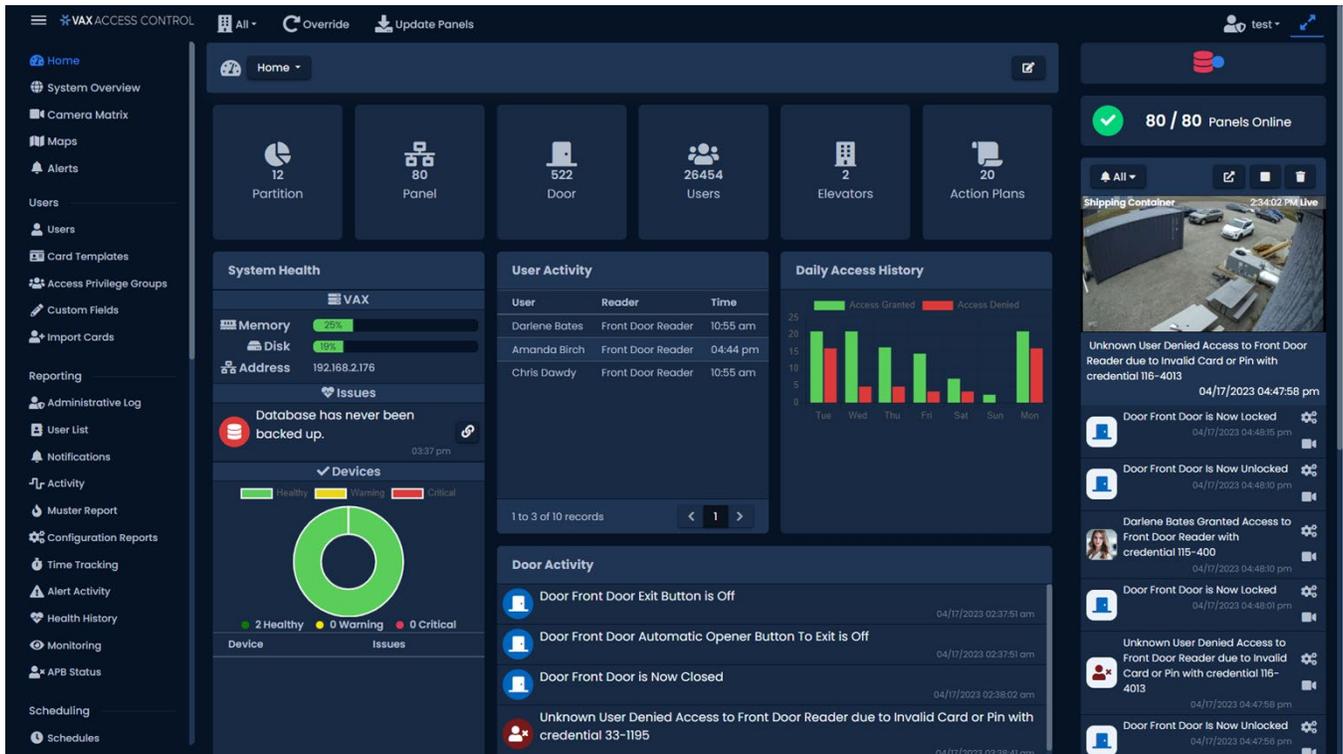
System Dashboard

Customizable and responsive dashboard replaces the Home Page. Ability to add and customize the following widgets:

- **Navigation Group:** Shows one or more links to either internal or external pages

- **Chart:** Configurable line or bar chart showing one or more configurable datasets based on notifications

- **Statistic:** Count of entities in the system (e.g., number of users)

- **System Health:** Overview of current system health and any issues

- **Report:** Activity report showing the latest configured notifications

- **Muster:** Last activity of all users in the system today
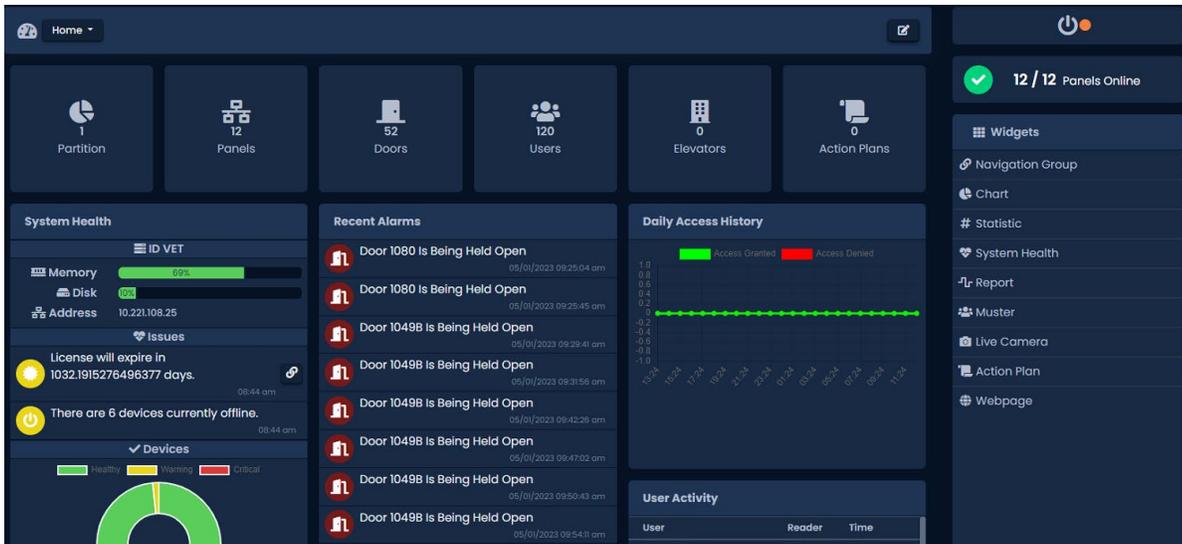
Alert Activities

Through the Notifications Menu, specific device status/activities (e.g., door held open, panic button) can be configured as Alerts that appear in the Recent Alarms menu on the Home page. Rules can be created with a customized message that appears when that event occurs and requires alarm acknowledgement.
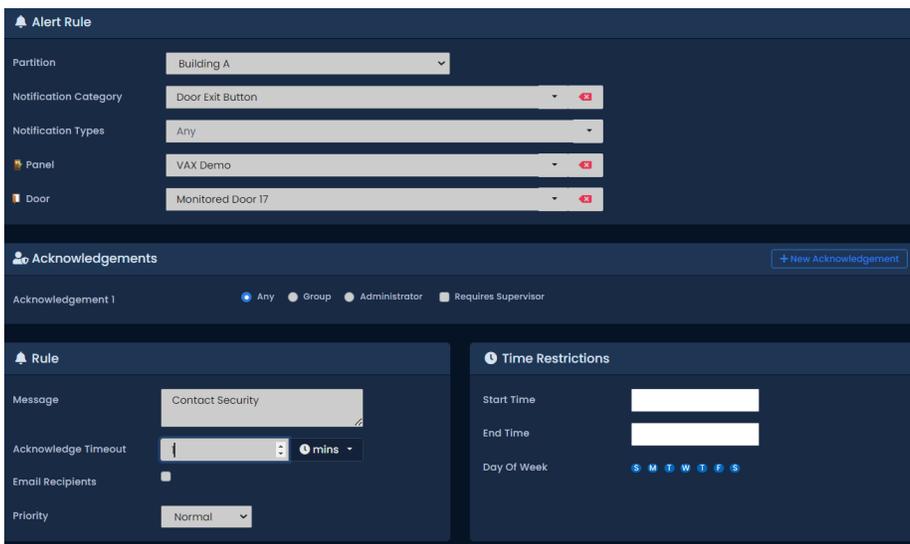

Scheduling

A new Scheduling menu replaces previous Time Zones menus and are configured as follows:

- Combined Door, User, Input, Output, and Floor Schedules into a single Schedules page

- Combined Door, User, IO Holiday Groups into a single Holiday Groups page

- Combined Door, User, Floor, Elevator, Input, Output, and Action Plan activity reports into a single Activity page

Schedules

+ Add

	Name	Description	Partition	
⚙	Always Card Access	Door is always Card Access	Default Partition	❌
⚙	Always Unlocked	Door is always unlocked	Default Partition	❌
⚙	Card Access 6-8	Empty	Default Partition	❌
⚙	Card Access 9-5	Door is available for card access 9-5 and locked otherwise	Default Partition	❌
⚙	Locked Down	Door is always locked	Default Partition	❌
⚙	Unlock 7-5	Empty	Default Partition	❌

Showing records 1 to 6 of 6 records

‹ 1 ›

🏖 Holidays > **Add Holiday**

⚙ **Holiday**

Name	Required
Description	Optional Description
Initial Date	
Occurs Annually	☐
Use Preset Holiday	☐

👥 **Groups**

Building A

👥 User Groups

| ☐ No Holidays | Holiday Access 9AM to 5PM |
| ☐ Standard Holidays | Holiday Access 9AM to 5PM |

👤 Door Groups

| ☐ No Holidays | Card During Holiday |
| ☐ Standard Holidays | Card During Holiday |

⚙ Floor Groups

No Records Found

⚙ I/O Groups

No Records Found

〰 **Activity**

Choose a Saved Template

Doors	Users	Floors	Elevators	Inputs	Outputs	Action Plans	Alarm Partitions

🕐 **Date Range**

Quick Times	8 Hours	1 Day	7 Days	1 Month

Start Time	Start Time
Stop Time	Stop Time 🕐
Time Zone	(UTC-08:00) Pacific Time (US & Canada)
Include Deleted	☐
Sort By	Time (Descending) +

🔲 **Doors (All Selected)**   🔍 Search

- ☐ 1002A (Comm)
- ☐ 1002B (Comm)
- ☐ 1009A (Comm)
- ☐ 1009B (Comm)
- ☐ 1010A (Comm)
- ☐ 1010B (Comm)
- ☐ 1013.2A (Comm)
- ☐ 1013A (Comm)
- ☐ 1013B (Comm)
- ☐ 1015A (Comm)

0 of 52 Selected   ‹ 1 2 3 4 5 6 ›

🔔 **All Notification Type**   🔍 Search

- ▶ ☐ Access (0/3)
- ▶ ☐ Aperio (0/3)
- ▶ ☐ Auto Opener (0/3)
- ▶ ☐ Door (0/8)
- ▶ ☐ Door Device (0/4)
- ▶ ☐ Reader (0/5)

Scheduler has been redesigned with the following features:

- Ability to drag start and end of spans to adjust times

- Ability to drag and create spans across multiple days

- Show list of every span for a given day
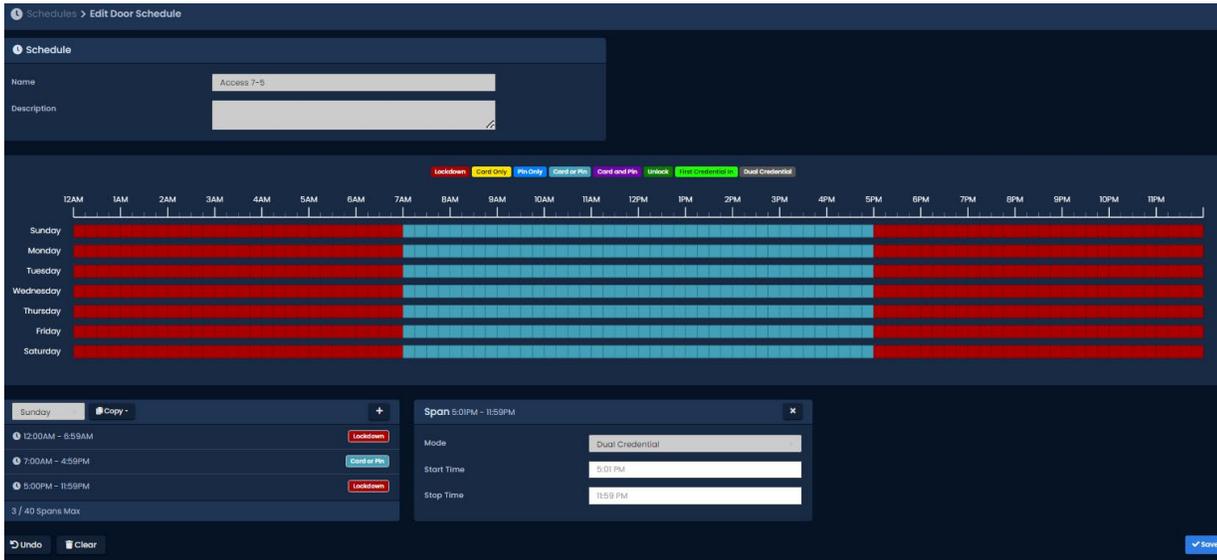
Permissions/Security Groups

Administrative permissions have been enhanced and changed to the following features/structures:

- Grant global permissions that affect all partitions

- Split most existing permissions into View/Add/Edit/Delete permissions

- Grant granular permissions for specific administrators (e.g., Edit User permission for only Test User)

- Ability to include, exclude, except or deny permissions for certain administrators (e.g., Grant Delete Users except for Admin User)

- Override Door split into Normal, Lockdown, and Crisis Levels

- Created global permissions for most previously system admin exclusive permissions

- Ability to allow non-system Administrators to create other limited Administrators

- Ability to have non-system Administrators dynamically gain permissions to entities they add when they have include permissions (e.g., an Administrator that has Include View Users and Add Users permissions would be granted View User permission for their newly added users)

- Assign permissions to a group of Administrators
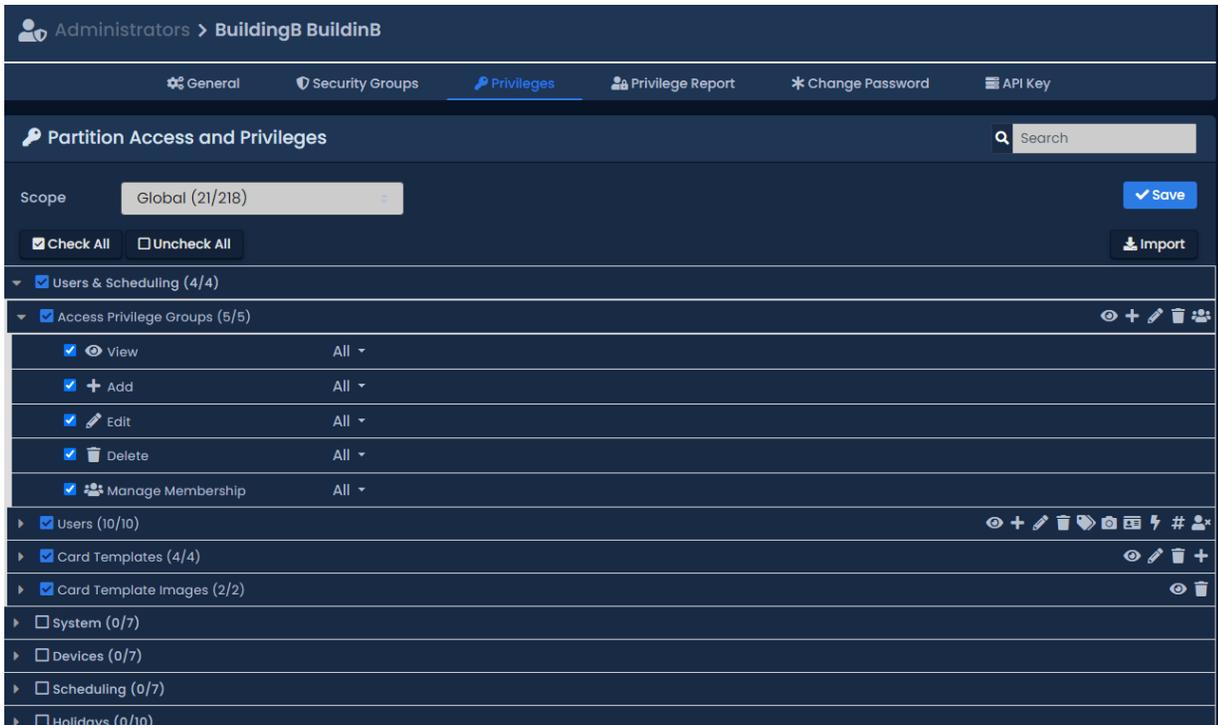
Photo Badging

VAX now includes embedded photo badge design and printing functions through an easy-to-use click and drag interface. This eliminates the need for third-party badge design software. Using the Card Templates menu, the following features are available:

- Design front and back of photo badges

- Place user profile pictures and fields on badges that dynamically update

- Place QR Code and Barcodes on badges that dynamically update with user information

- Ability to quickly print badges from the Edit User page
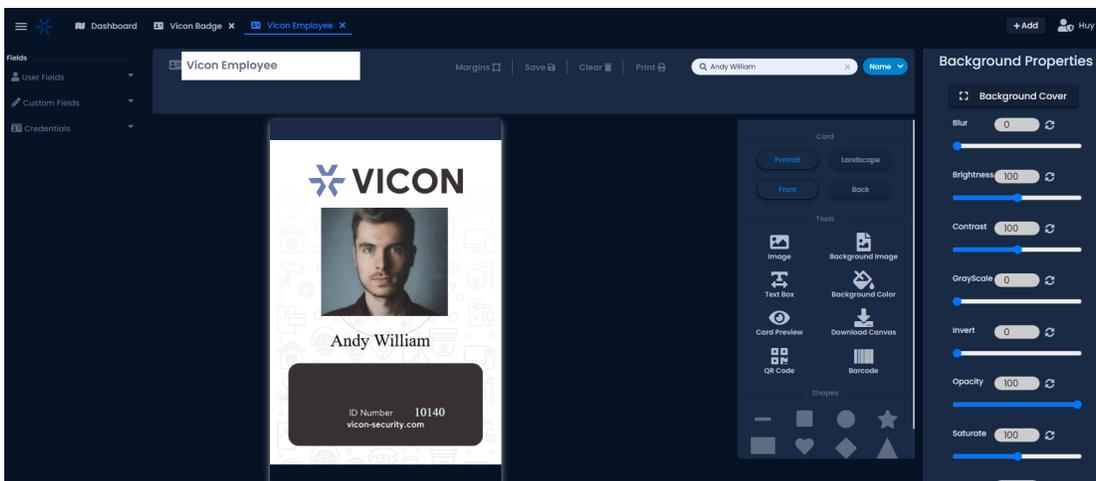
DSC Alarm Integration

VAX integrates with DSC PowerSeries Neo Alarm/Intrusion panels via IP communication. The integration allows the following options:

- Real-time notifications and control of DSC Alarm Partitions and Zones

- Full Action Control Engine integration with alarm triggers and actions

- Alarm code integration to associate alarm codes with users

- Virtual keypad support to allow full configuration of the alarm system from VAX

- Associate Doors to Alarm Partitions to allow for automatic arming and disarming via IP integration (equivalent to hard wired I/O alarm support but over IP)

Schlage Lockset Integration

VAX integrates with Schlage NDE/LE Wireless Locksets using the Engage Gateway via IP communication. Requires the purchase of VAX-SCHLAGE license for each NDE/LE Wireless Lockset that is added to VAX. Also requires the use of Schlage's ENGAGE mobile app to enroll locksets into an Engage Site. Once added to VAX, the Wireless Lockset will act like other Doors in VAX and have the following features:

- View Engage Sites (list of Wireless Locksets and their configuration)

- Real-time notifications (e.g., card read, door state, etc.)

- Set Schedule

- Override Schedule

Mobile Credentials

VAX can send Mobile Credentials to the Vicon Pass app (available on App Store and Google Play) allowing the app user to unlock certain doors through web communication to the VAX server.
It also has the option to enable the Vicon Pass app to send a link to a visitor for a one or multiple time unlock of specific doors.
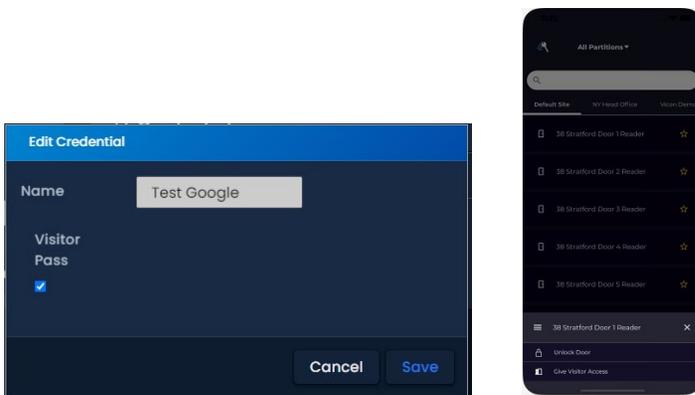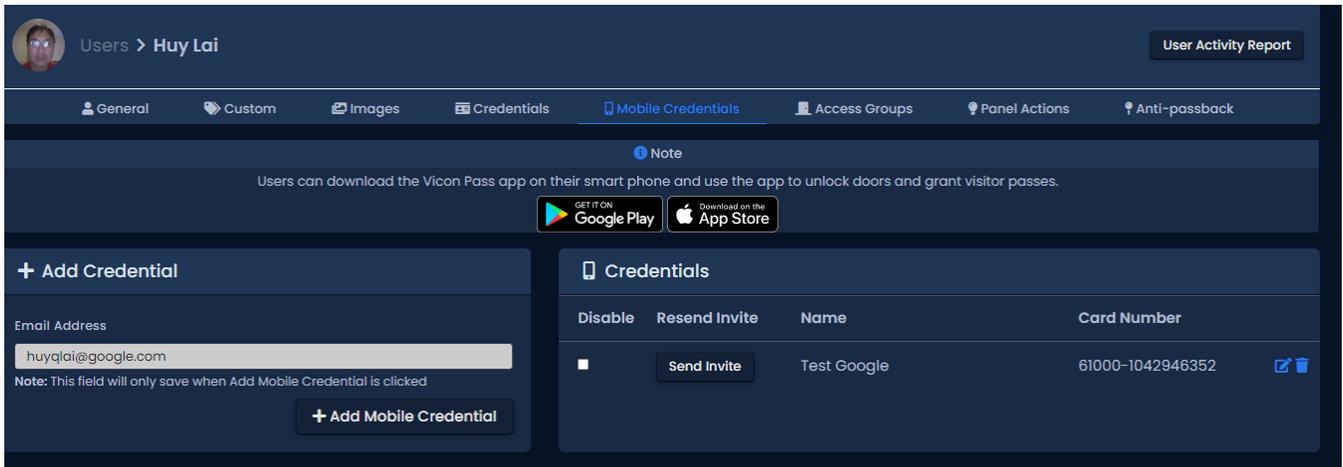
Map Enhancements

Maps have been enhanced with the following features:

- Ability to scale size of object

- View real-time notifications of objects in the info drawer

- Hotkeys to control map position and cycle through objects

- Option to show occupancy counts for each area on the map
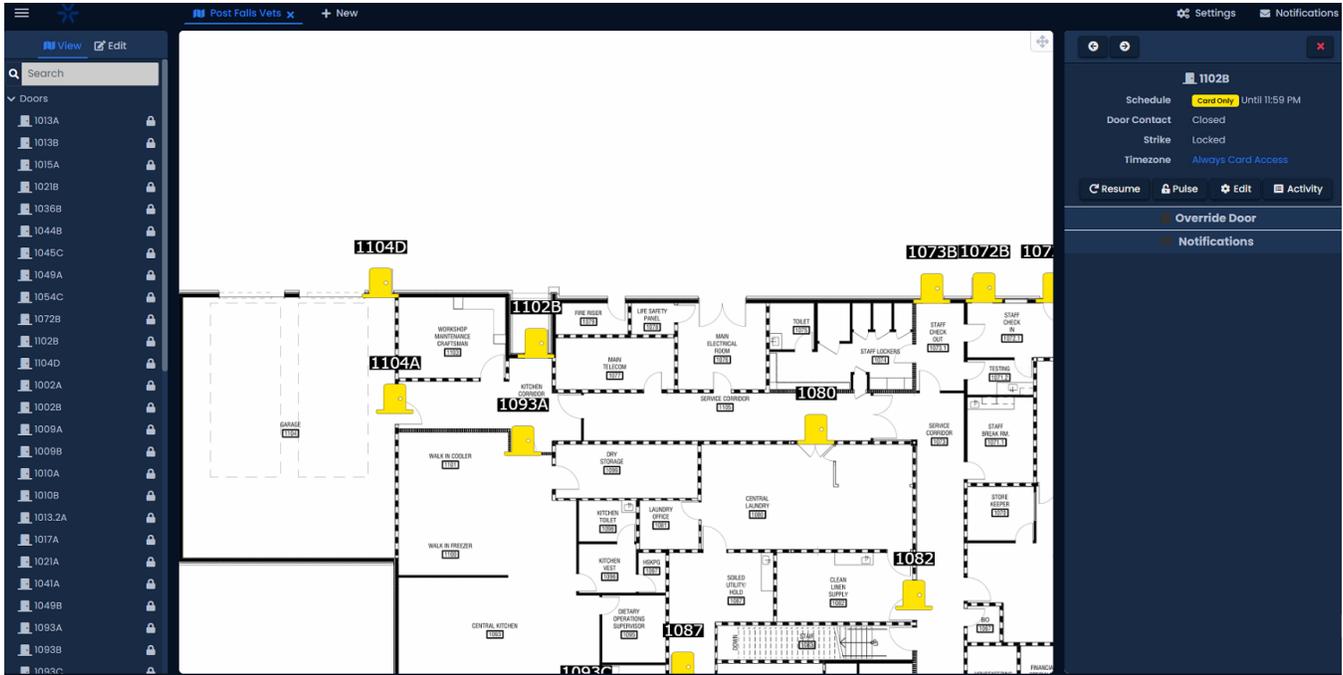
System Health

Monitor and configure alerts for the following system health issues:

- Device Low Battery

- Device Tampered

- New Device Firmware

- Device Disconnected

- Uninstalled Panels

- LDAP Conflicts

- Low Memory

- Database Backup

- Low Disk Space

- Database Size
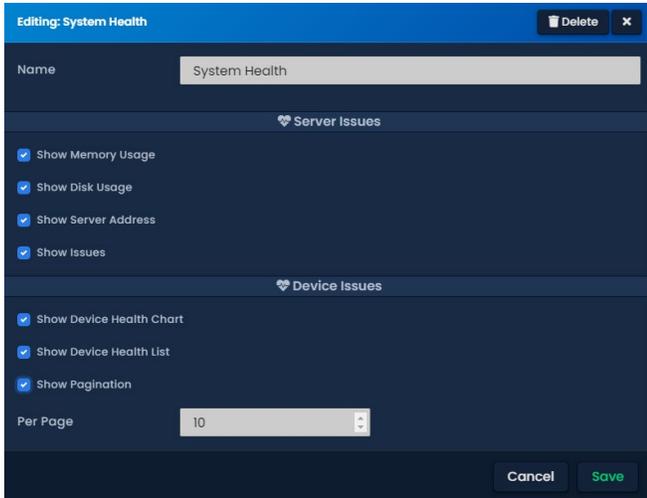
Username and Password Overhaul

Administrator Usernames and Passwords have been enhanced as follows:

- Usernames can be alphanumeric characters

- Configurable passwords with min/max length and complexity requirements

- Configurable prohibited password list to prevent usage of common phrases

- Optional expiration of passwords to require Administrators to change at certain intervals

- Support for third party OAuth Authentication (using third party authentication providers, such as Google or Microsoft, to authorize Administrators to VAX)

- Support for TOTP (Time Based One Time Password) and FIDO/WebAuthn two factor authentication

- Ability to send invitations to new Administrators and allow them to configure their own password and information
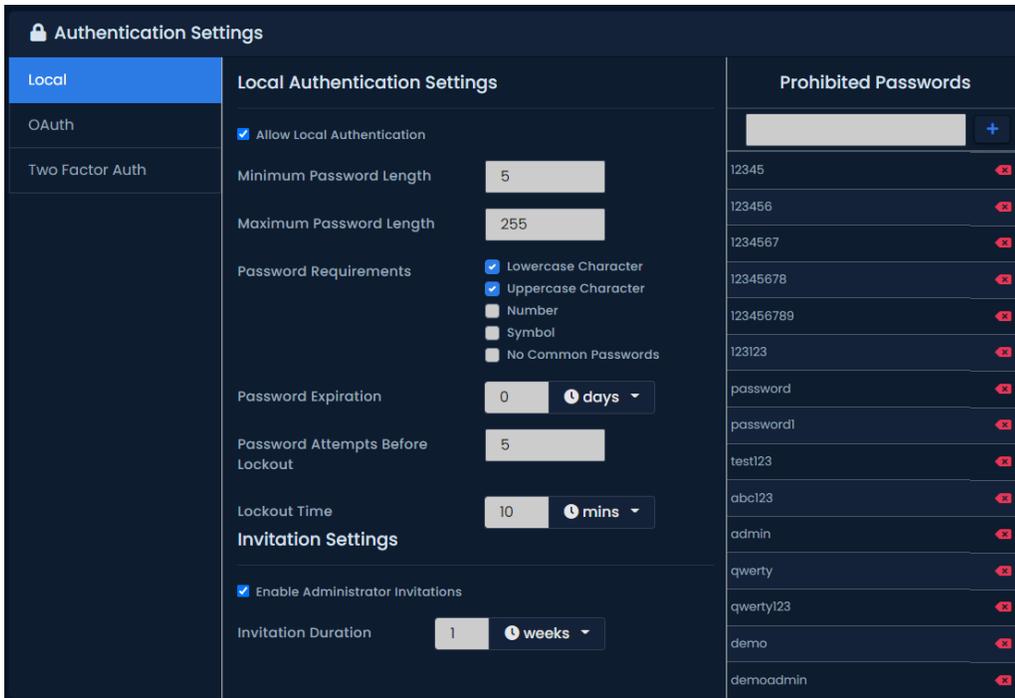
Database Notification Management

Notifications stored in the VAX Database can now be set to automatically purge with the following features:

- In System Settings menu, set limit on how many days of notifications are retained before it is automatically purged

- Set limit on how many notifications are retained before a set number of notifications is automatically purged

- Store purged notifications in CSV file
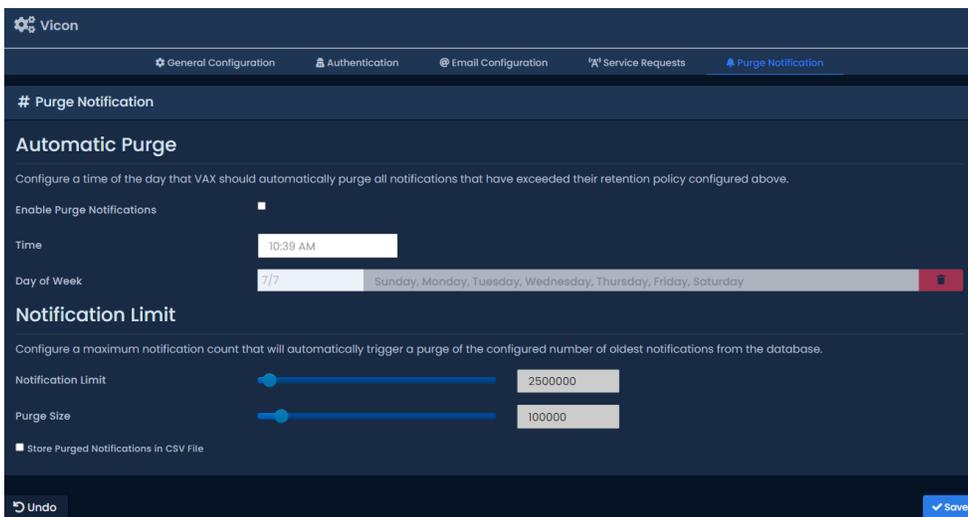
Preset Holidays

Holiday menu now gives the option of selecting preset US, Canadian and Jewish holidays.
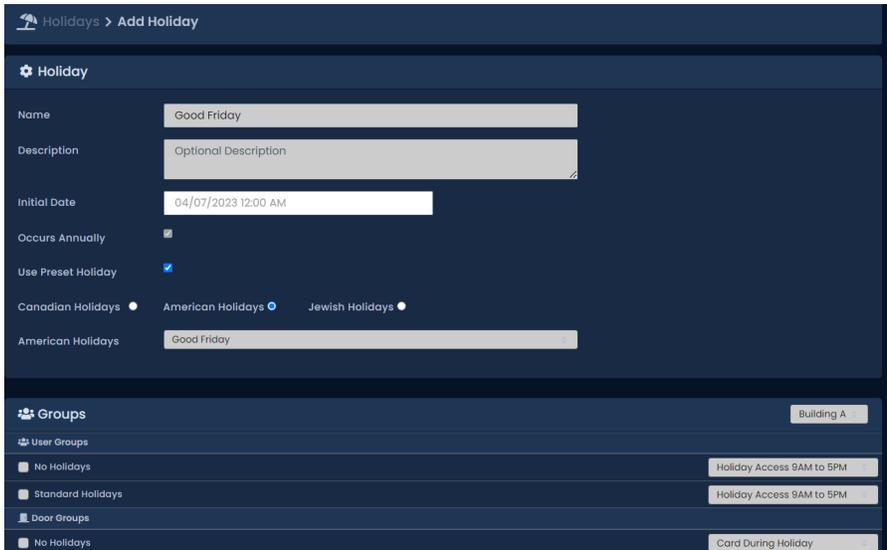
Bulk Actions

There is now the ability to mass edit Users, Access Privilege Groups, Custom Fields, Panels and Doors.

Panel I/O Import and Export

There is now the ability to import or export IO configuration to other panels to duplicate IO configuration.

Linked Actions/Conditions

There is now the ability to set when a VAX-MDK panel's actions should execute. Multiple VAX-MDK panel actions can be linked to execute together.

Valerus Integration

VAX 3.1 integrates into Valerus 23.2 and the following features from VAX are available in Valerus:

- VAX Doors are listed and Notifications can be monitored in Valerus through video pane or in Maps

- VAX Door Schedule can be overridden in Valerus through Monitoring menu tree or in Maps

- VAX Inputs are listed and input state can be monitored in Input Menu or in Maps

- VAX Outputs are listed and can be enabled/disabled through Monitoring menu tree

- VAX Action Plans are listed and can be enabled/disabled through Monitor menu tree or in Maps

Bug Fixes

The following issues have been fixed:

- Alarm Panels page missing

- VAX 3.1 installation not correctly locating the VAX 2.10 installation details during upgrade

- Javascript error when trying to load the software in IE11 mode

- Improved performance of table updates when there is a large number of deleted users

- Dashboard charts clipping outside of the widget card

- Chart widgets not showing values when Daily/Hourly timescales are configured

- Master users unable to generate visitor links on Visitor Pass app

- Added missing User Activity Report button on Edit Users page

- Improved performance of Photo Badging with large images

- Lightened color of scrollbar in VAX, improved Monitoring page design