



Release Notes

March 2022

VAX Vicon Access Control Version 2.10 (build 26)

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. It is recommended to update VAX system to the latest version.

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 2012 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 or 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.

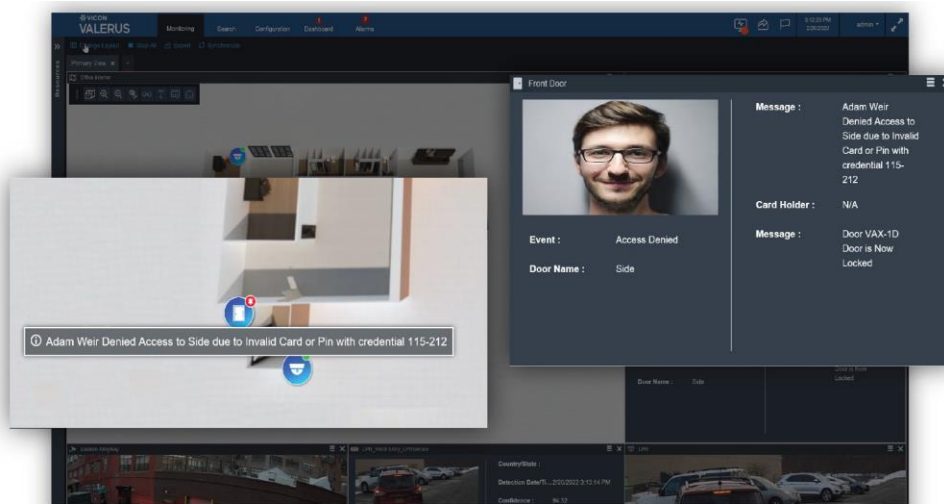


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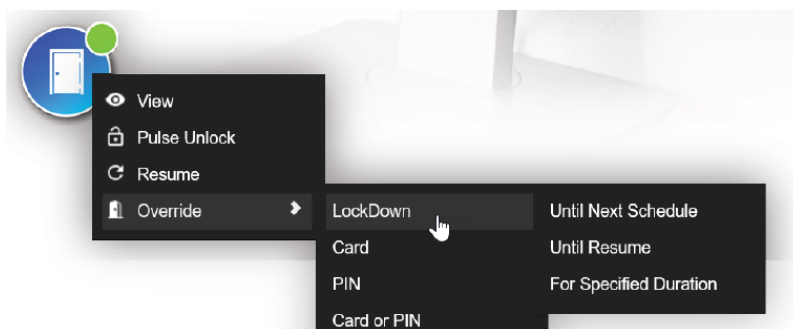
New Features and Operational Changes

Valerus VMS 22R1 Integration

- VAX Doors is a New Resource in Valerus 22R1**
 VAX Doors can now be added to Valerus VMS as a resource like cameras. Realtime events from doors can be viewed through video panes and maps.



- VAX Doors Override Control**
 VAX Doors in Valerus can be controlled and have door time zone overridden (e.g., lockdown, unlock, card, pin access, etc.)





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- **VAX Doors Events Activate Valerus Alarms**

VAX Door Events (e.g., Access Denied, Antipassback violation, Door Held Open, etc.) can be programmed in Valerus Alarms and associated to cameras so that alerts appear when one of these events occur. Users can view the events and see the playback video from the associated cameras.

The screenshot displays the VICON VALERUS Alarms interface. At the top, there are navigation tabs for Monitoring, Search, Configuration, VAX, Dashboard, and Alarms. The Alarms tab is active, showing a list of alarms with columns for Alarm ID, Alarm Name, Alarm(Event type, detection code, location), Priority, Time, Assigned to, Status, and Actions.

Alarm ID	Alarm Name	Alarm(Event type, detection code, location)	Priority	Time	Assigned to	Status	Actions
2259	Access Denied	VAX Event	1	2/7/2022 1:30:03 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2260	Door Forced Open	VAX Event	1	2/7/2022 1:30:03 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2261	Door Held Open	VAX Event	1	2/7/2022 1:30:03 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2262	Door Held Open	VAX Event	1	2/7/2022 1:30:06 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2263	Access Denied	VAX Event	1	2/7/2022 1:30:06 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2264	Door Forced Open	VAX Event	1	2/7/2022 1:30:06 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2265	Door Override Enabled	VAX Event	1	2/7/2022 1:30:06 PM	N/A	New	HANDLE ASSIGN TO HISTORY
2266	Access Denied	VAX Event	1	2/7/2022 1:30:08 PM	N/A	New	HANDLE ASSIGN TO HISTORY

Below the list, a detailed view for alarm ID 2236 is shown. It includes a video playback window for the 'Vicon Lobby Door' camera, a 'Resources' sidebar, and a detailed information panel.

Resources:

- TRIGGERED
 - Vicon Lobby Door
- RELATED
 - Lobby Door

Additional information:

Event Type: Door Held Open
 Door Name: Vicon Lobby Door
 Message: Door Vicon Lobby Door Is Being Held Open
 Card Holder: N/A

Response procedure:

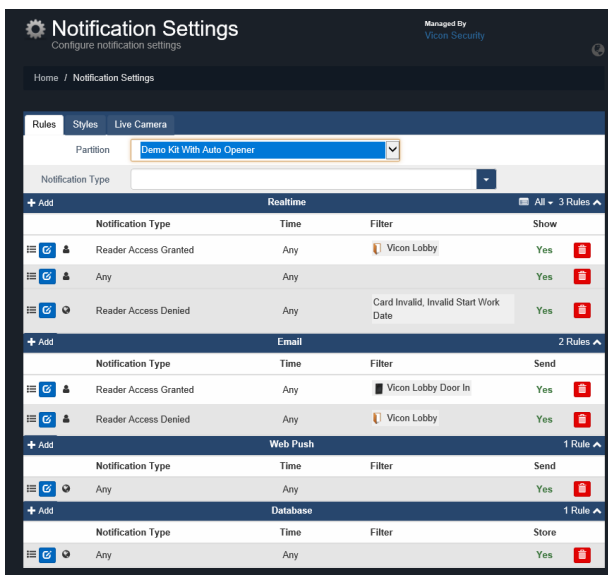
Close Alarm

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Notification Rule Engine

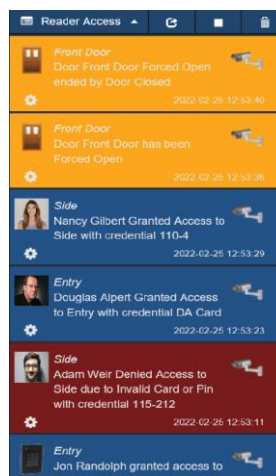
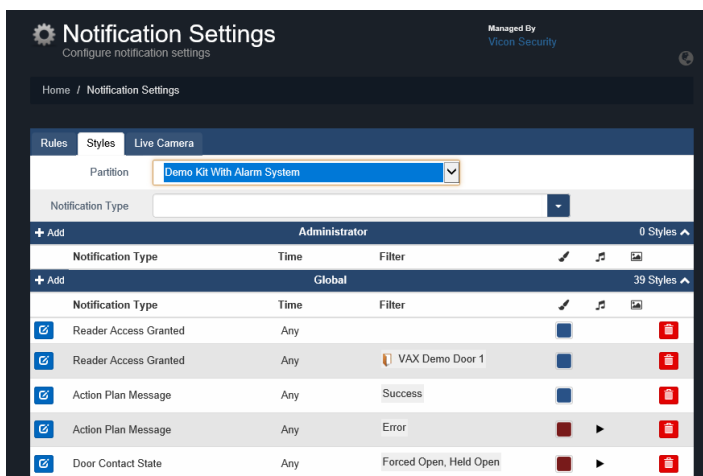
- **Notification Rule Engine**

Notification Rule Engine replaces the existing notification settings that were found in the Administrator Settings. Notifications run through a series of global and administrator rules that determine whether the notification is saved, shown in real-time, and/or sent via Email or Web Push.



- **Notification Styles**

A Notification Style is run against every real-time notification to modify how the notification is presented in the UI. It can modify the background color, image shown and sound played when a notification is shown. A style can be applied globally or to a specific administrator. It can be optionally filtered by notification type, time and by specific devices.





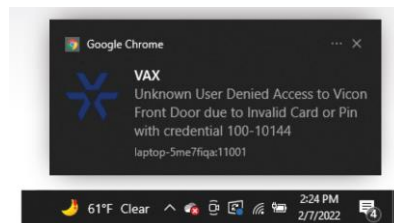
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- [Live Camera](#)

A Live Camera rule is run against real-time notifications to determine whether an associated camera should be automatically shown in the UI. A Live Camera rule can be applied globally or to a specific administrator. It can be optionally filtered by notification type, time and by specific devices.

- [Web Push](#)

Web Push allows VAX notifications to be pushed to your device using a web browser. Notification Rules specify which notifications an Administrator is sent.



- [Rule Groups](#)

Real-time notification rules can be optionally placed into a group. A group can be selected on the Home menu or Monitoring menu.

OSDP Reader Support

- [Encryption](#)

Open Supervised Device Protocol (OSDP V2) is now supported by VAX. Developed by the Security Industry Association (SIA), this reader communication protocol supports 2-way encrypted communication between the control panel and reader.

- [Simplified Cabling](#)

OSDP Reader cable uses 4 conductors vs. Wiegand Reader cable, which requires 6 conductors, and can go much further distances than Wiegand. Up to 8 OSDP Readers can be daisy chained off a single 4-conductor bus back to a VAX-MDK control panel.

- [Tamper and Disconnection Detection](#)

Because OSDP is two-way communication, the access control panel can detect if the OSDP reader is disconnected or removed from its mounted position.

- [Required Hardware](#)

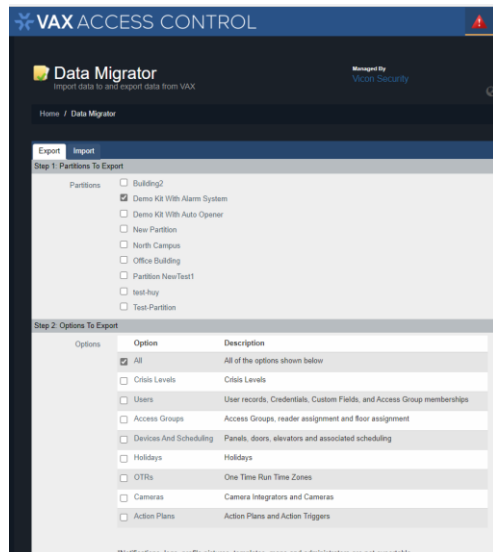
OSDP is supported on VAX-MDK door controllers (including TROVE multi-door kits) with OSDP specific firmware. OSDP Readers are also required.



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Data Migrator

This new menu enables export and import of data (e.g., Users, Access Groups, Devices and Scheduling, etc.) between Partitions and/or systems.



Action Control Engine Improvements

- **Global Variables**
Global Variables are persistent and can be read, set or cleared from any Action Plan using @{Global.VarName} and the Set Global Variable and Clear Global Variable actions.
- **New Action Triggers**
New Action Triggers have been added:
 - Door Overridden
 - Door Resumed
 - Door Crisis Level
 - Door Prevented from Unlocking
 - Door Time Zone Changed (VAX-MDK)
 - Panel Updated
 - User Area Changed



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- **New Actions in Action Plan**

Added some of the most common API calls as Actions to reduce HTTP Requests:

- Get Areas
- Set Door TimeZone
- Get Doors
- Set Floor TimeZone
- Disable Trigger
- Enable Trigger
- Get Date
- Run Action Plan
- Purge Notifications
- Activate/Cancel Change Tracker
- Get Custom Field Value
- Get Users
- Get Users in Area
- Get Users Not in Access Group

- **New Variable Dropdown**

The dropdown showing the available variables can now be filtered by variable type and trigger type.

- **Wait for Trigger Action**

The Wait for Device Actions now returns LastResult variables with data from what triggered action.

Service Accounts & API Keys

VAX now supports accessing the API using an api key in the query string or in an HTTP header. This allows for integration from simple systems that only permit configuring basic HTTP requests. In addition, third party services can submit requests for Service Accounts to VAX to allow for easy integration.



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UI Changes

On the top of the page, there will be a series of icons to alert you of:

- License
- New Version
- Backup Warning
- Database Size Warning
- LDAP Conflicts
- Firmware Updates
- Unknown Panels
- Get Date
- Run Action Plan
- Purge Notifications

Additional Features

- Database size warning can be configured to alert when the database has reached a specified maximum size.
- Lock State has been added in System Overview page and Map Viewer to show the real-time status of the Door Strike output.
- New Notifications include Door Unlocked by Motion, Forced Open Ended by and OSDP Reader Status.
- Added alternative Unlock Timer for Request to Exit and Door Opener Exit.
- Credentials can now optionally be named, which will be shown in place of the card number in notifications.
- APB Status page can now be configured to choose how many users are displayed per page.
- All VAX-MDK Door Actions can now be applied to multiple doors.
- Custom Fields can now be configured to show in the new Custom section on Users page.
- List pages will remember and load the last selected section.
- Added Partition column in the Panels general menu.
- Added Partition and Site information in the Edit Panel page.



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Bug Fixes

The following issues have been fixed:

- VAX-1D/2D motion doesn't keep the door unlocked while motion is active.
- VAX-1D onboard Output Test doesn't activate Outputs disabled by software configuration.
- VAX-MDK panel not connecting with Server Name in certain circumstances.
- Door will not unlock if the door contact reports open.
- Camera associations are not properly cleared from cache when removed.
- PTZ presets on a Valerus integrated PTZ camera could not be changed after 20 minutes.
- Panel is not sent pending table updates after panel firmware update.
- Adding doors beyond the license limit causing an unclear error message.
- Unavailable door ports are selectable on the VAX-MDK panel I/O page.
- Table updates to panels sometimes doesn't recover after exception and requires disconnecting/reconnecting the panel.
- Table updates to panels doesn't properly error when hard drive is full.
- Updating Holiday User Time Zone causes an exception error.
- Editing an Output Holiday Time Zone causes a javascript error.
- Creating a holiday in a different time zone than the server causes a wrong date.
- Adding a Floor Access Privilege Group assignment did not correctly validate conflicts.
- Partition scoping correctly hides icons on Home Page based on Admin permissions in scoped partition.
- Click and dragging outside of editable boxes causes it to close.
- LDAP not handling re-issued credentials correctly.
- Access Privilege Group page only searches for the beginning of the name.
- Renaming PIN credential causes PIN in use error.
- Timer Action Triggers sometimes execute more than once per interval.