



Release Notes

October 2025

Vicon Access Control (VAX) Version 3.3 (Build 39)

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 a 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.

Note: When upgrading from version 2.9 or earlier, must first upgrade to version 2.10 before proceeding to the latest 3.x version.

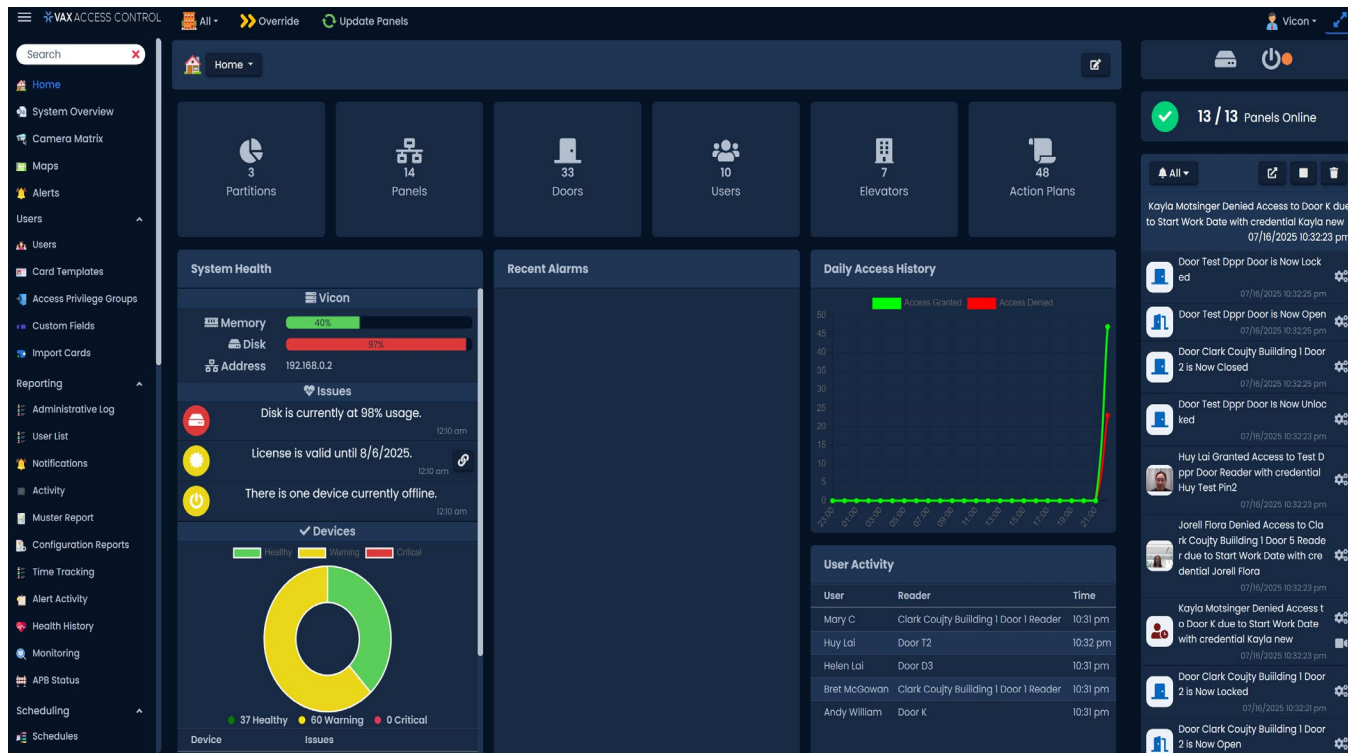
Licensing

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

Enhanced UI Design

VAX has an enhanced interface with color coded menus to allow for easier navigation. The System Dashboard on the Home page gives real-time status of the system.



UI Bug Fixes:

- Fixed an issue preventing sorting by Site on the Panels and Doors list pages.
- Partition will now be auto selected on Add pages if there is only 1 Partition.
- Improved error message when incorrect STid Portal credentials are provided.
- Added assign and search for tags on users, doors and APGs.
- The page now automatically scrolls to the top upon navigation change.
- The reader's name is automatically filled in with the door name on the Add Door page.
- Fixed an issue where Aux Outputs on VAX Elevators would not appear on the System Overview page or Override menu.
- Selecting an IO Holiday Group on the Add Holiday page will now select the IO group correctly.
- Fixed the License Health issue not reflecting when the license is updated.
- Renamed Auto Opener Unlock Delay and Time to prevent confusion with normal Unlock Delay/Time.
- Added button to the navigation search bar to clear the search query.
- Fixed an error when trying to sort the Administrator list by the email column.
- Fixed the issue where Table Update Status modal would not appear if updating only 1 panel.
- Fixed various styling issues of the Dashboard on iPads.

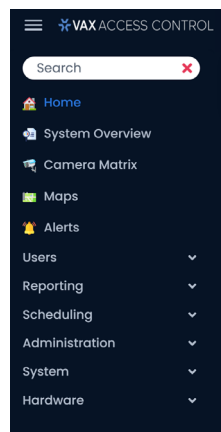


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- Fixed an issue where partitions could not be selected when creating datasets on the Dashboard Chart widget.
- Fixed an issue where object names are clipped on the Map Viewer if an Area is placed over them.
- Fixed the user search on the Card Templates page not scoping search results to the partition of the Card Template.
- After saving a dashboard, the page will now redirect to the Dashboard Viewer.
- Fixed an issue where certain types of charts in the Dashboard widget would not render correctly.
- Fixed the System Health widget not showing status of Alarm Panels.
- Fixed an issue where panels may incorrectly report Warning/Critical status.
- Improved error message when trying to auto add doors to a panel when the partition has no door schedules or holiday groups.
- Fixed an issue where checking an option in a multi-select dropdown may not be reflected in the checkbox state.
- Fixed issue where the Action Plan widget would only show 5 options in dropdowns.
- Fixed an issue where Muster widget would not filter based on selected areas.
- APB door configuration fields were renamed to Entering Area and Exiting Area to better reflect the required information.
- Fixed photo badging print window not displaying.

Enhanced Navigation

The left Navigation menu is now collapsible and searchable.





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Users menu can now filter users by Access Privilege Group membership.

The screenshot shows the 'Users' management interface. At the top, there is a '+ Add' button. Below it is a search bar containing 'J-Room' and a filter dropdown set to 'Access Privilege Group'. A 'General' dropdown is also visible. The main area contains a table with the following data:

	First Name	Last Name	Started On	Expires On	User Source	
<input type="checkbox"/>	Huy	Lai			Local	
<input type="checkbox"/>	Jorell	Flora	06/06/2024		Local	
<input type="checkbox"/>	Jose	Zamora	05/22/2025		Local	
<input type="checkbox"/>	Kayla	Motsinger	07/08/2025		Local	

At the bottom, there is a pagination control showing '50' records per page and 'Showing records 1 to 4 of 4 records'. Navigation arrows and a page number '1' are also present.

In **Doors** menu, the default door schedule is **Always Card or PIN Access**.

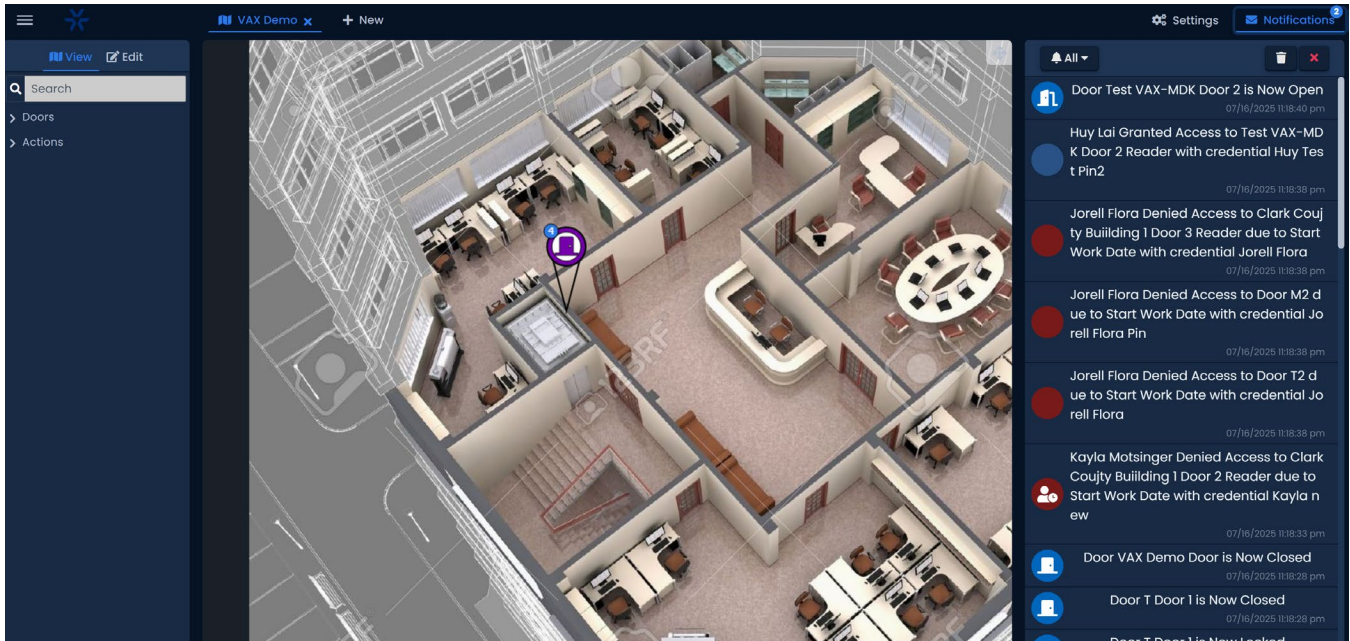
The screenshot shows the configuration page for a door. The breadcrumb is 'Doors > Building C Floor 1 Door 1 (Building C Floor1)'. The 'General' tab is selected, with other tabs including 'Options', 'Reader 1', 'Reader 2', 'Areas', 'Camera Association', 'Access Privilege Groups', and 'Alarm Partition'. The 'General' section contains the following fields:

- Associated Panel:** Building C Floor 1
- Name:** Building C Floor 1 Door 1
- Description:** Automatically Added Door
- Schedule:** Always Card or PIN Access (with an 'Edit Schedule' link)
- Holiday Group:** No Holidays (with an 'Edit Holiday Group' link)

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Enhanced Maps

Map Viewer now shows notifications for Readers associated with Doors.

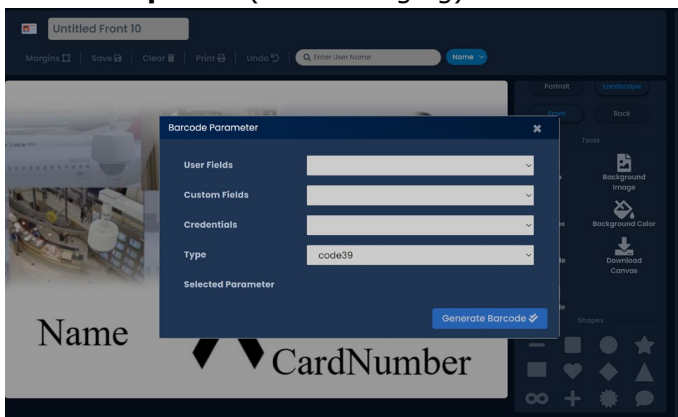


Map Viewer Bug Fixes:

- Fixed Area User count on maps not updating correctly.
- Fixed overriding doors on maps always using the Until Resume option.
- Fixed an issue where doors wouldn't drag onto the map on the Editor page.
- Fixed the issue where cameras would not show up on the Map Editor.
- Fixed the issue where areas added after objects on maps would render above them, preventing text from showing on hover.

Enhanced Photo Badging

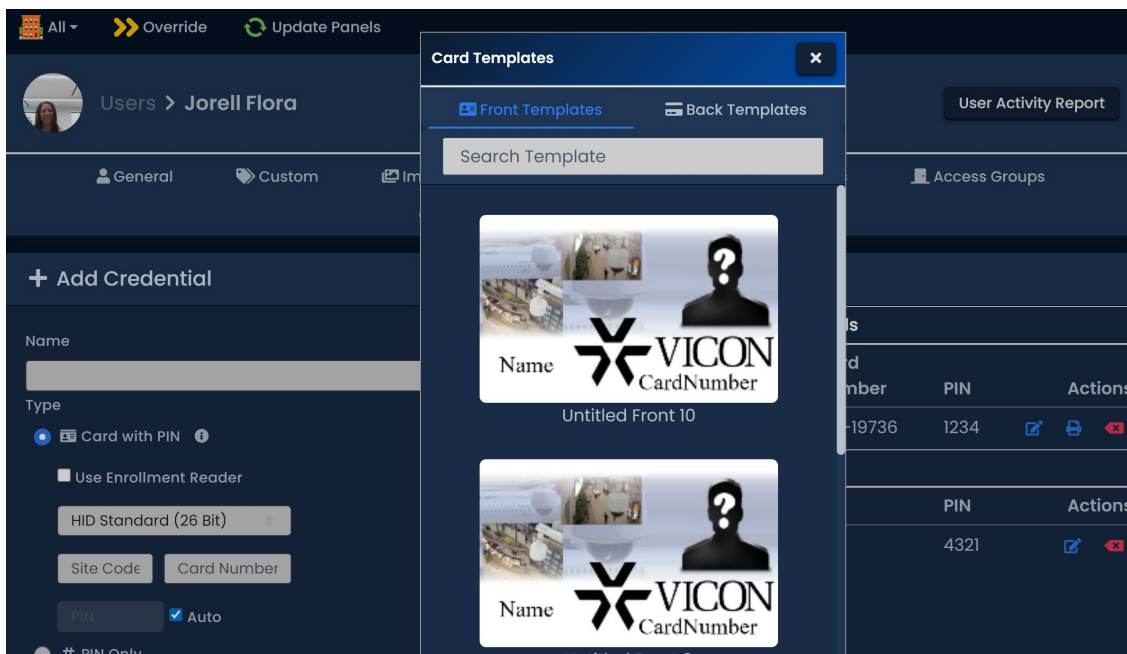
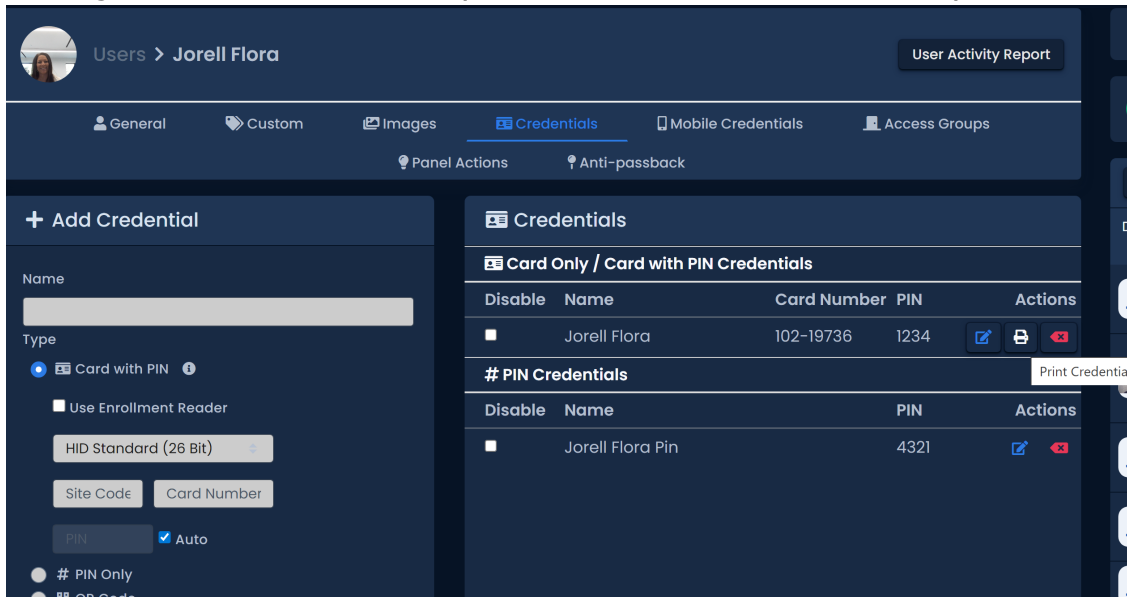
Card Templates (Photo Badging) barcodes now support Code 39 format.





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Redesigned the Card Print modal (**Edit User -> Credentials -> Print**).



Card Template Bug Fixes:

- Fixed an issue where text boxes would move to the top-left after deselecting the text.
- Fixed an issue where text boxes that have not been repositioned on the Back Template to break show a broken link icon.
- Fixed an issue where a Back Template could not be saved to a Front Template after it has been initially created.
- Fixed an issue where you could not flip to the associated Front Template if you start by opening the Back Template.

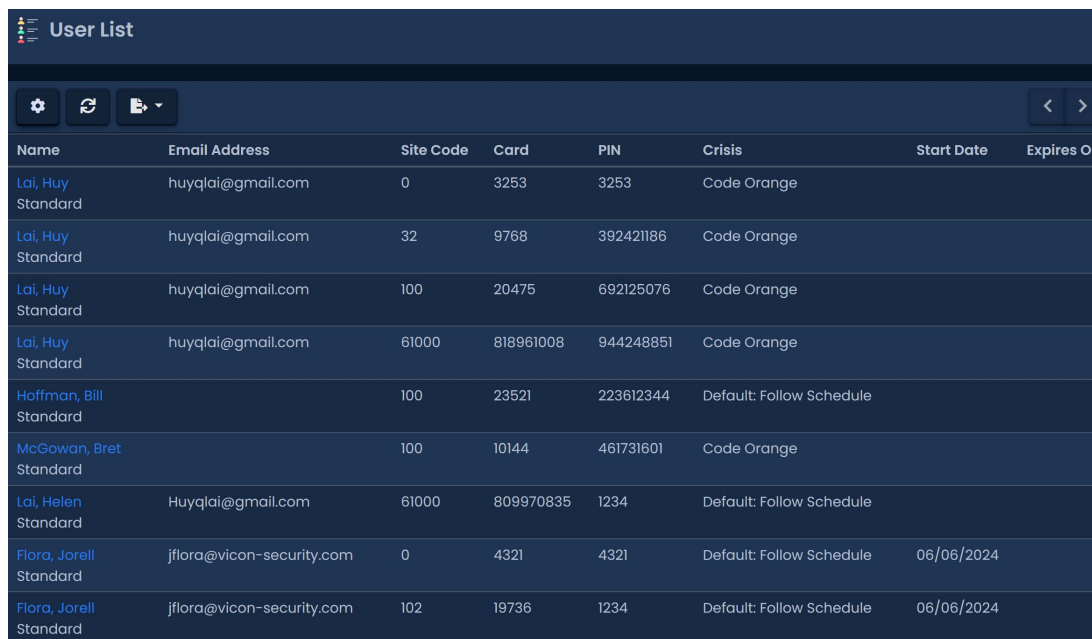


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- Fixed issues with filtering Templates by Partitions.
- Fixed an issue where reloading the Card Template dashboard may bring you back to the main web interface.
- Fixed a permission bug where an Administrator with only View Card Templates would see undefined text for Custom Fields.

Enhanced Reporting

User List Report now includes Email Address column.



Name	Email Address	Site Code	Card	PIN	Crisis	Start Date	Expires On
Lai, Huy Standard	huyqlai@gmail.com	0	3253	3253	Code Orange		
Lai, Huy Standard	huyqlai@gmail.com	32	9768	392421186	Code Orange		
Lai, Huy Standard	huyqlai@gmail.com	100	20475	692125076	Code Orange		
Lai, Huy Standard	huyqlai@gmail.com	61000	818961008	944248851	Code Orange		
Hoffman, Bill Standard		100	23521	223612344	Default: Follow Schedule		
McGowan, Bret Standard		100	10144	461731601	Code Orange		
Lai, Helen Standard	Huyqlai@gmail.com	61000	809970835	1234	Default: Follow Schedule		
Flora, Jorell Standard	jflora@vicon-security.com	0	4321	4321	Default: Follow Schedule	06/06/2024	
Flora, Jorell Standard	jflora@vicon-security.com	102	19736	1234	Default: Follow Schedule	06/06/2024	

Reporting Bug Fixes:

- Fixed the issue when running a User List report that includes a user with a deleted dropdown custom field value.
- Fixed OTRs showing the Start and Stop time in UTC instead of the local time.
- Fixed an issue with User Tracking report not respecting permission in certain conditions.
- User Time Tracking Report API now supports Custom Field option to allow report filtering by Custom Fields.
- Fixed User List report failing to filter User Source Type as LDAP.
- Alarm Activity now reports correctly output HTML and CSV formats.
- Fixed the issue with selected partitions showing incorrectly when using a saved report template.
- Muster report can now be filtered by Access Privilege Group members.
- Added email column to the User List report.
- Fixed the issue with User List report not filtering with the User Source field correctly.
- Fixed the issue with Time Tracking report filter not using correct timezone.
- Fixed the issue with Time Tracking report not displaying custom field values.



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Visitor Management

Administrators can request or schedule visits attended by one or more visitors that will be granted temporary access to the specified doors/floors during the visit.

- Generates PIN or Mobile Credential to visitors that are valid only during visit.
- Automatically checks out visitors at the end of the meeting.
- Visits can be configured to reoccur at specified intervals.

Scheduled Reports

Ability to schedule any report to be run and sent to one or more Administrators at configured intervals.

HTTP Action Triggers

Custom HTTP routes can be defined to trigger an Action Plan, which can access query parameters, headers and the request body.

Alert Action Triggers

An Action Plan can be triggered to execute when a Notification Alert is acknowledged.

Schedule Duplication

Ability to duplicate an existing schedule into a new or existing schedule.

PDF Reports

Added outputting as a PDF file when running any report.

Advanced Filtering

Perform advanced filtering on the Users, Panels and Doors pages.

Entra ID

Microsoft Entra ID is a cloud-based identity and access management solution. Similar to the existing LDAP integration, create Access Privilege Groups that are linked to a Security Group which will automatically sync users into the APG.

- Import credential information from configured attributes in Entra ID.
- Import configured attributes in Entra ID as Custom Fields.



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Other Features

- Ability to automatically purge credentials that have not been used in a configured time frame.
- Import multiple cards to the same user if the name is the same.
- Configure credential name as mandatory.
- Tracking who created a user and who was the last Administrator that updated the user.

Access Privilege Group Merge Feature

Allow users to be members of multiple Access Privilege Groups that assign permission to the same Reader or Floor. When a conflict is found, the "Allow" spans from each User Schedule are merged together. For example, if a user is assigned both a 9AM-5PM and a 12PM-8PM schedule for the same door, they will be given access between 9AM-8PM.

- Supported by all doors and locksets (1D, 2D/MDK/Schlage).
- Setting is enabled under Edit Partition -> Merge APG Conflicts.
- The APGs being merged must:
 - Have the same Holiday Group assigned.
 - Have no Starts On/Expires On date assigned.

Firmware Changes (MDK, 1D and 2D Controllers)

- The limit of the number of unique site codes on a controller has been increased to 196.
- New relay function types have been added:
 - Any Door Open/Held Open/Forced Open/Held or Forced Open
 - Any Door in External Alarm/Emergency Unlock
 - Any Door in Card/Lockdown/Unlock Mode
 - Sync With Input
 - Sync With Relay
- The source of an input can now be configured as:
 - Software - Input state is controlled by the server software rather than physical input.
 - Linked Input - Input follows the state of another input rather than its own state.
 - Linked Output - Input follows the state of an output rather than its own state.
- Keypads can be configured with a maximum PIN length, after which the PIN will be submitted automatically.
- Added support for keypads sending 4-bit and 6-bit burst data formats for PIN transmission.
- Added support for customized remapping of card site codes and card numbers.
- First Credential In mode can now be configured with a hold off time that will allow users who swipe in early to still trigger the door to unlock.
- Added new sounds that can be played from the panel.
- Controllers are now only sent tables that have changed rather than all configurations.



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Firmware Changes (1D and 2D Controllers)

- Inputs can be configured with a detection time, which specifies how long after an input must be in its new state before considering it changed.
- All input functions can now define an action that will be performed when the input's state changes to On.
- All inputs now support a second action that can be defined.
- A condition can be defined that must be met for both input actions to be performed.
- Added virtual inputs and outputs that can be linked to other IOs to allow additional actions and flexibility.
- Readers now support defining an action that will be performed when any or a valid credential is presented.
- Users now support defining a per-reader action that will be performed when the user is granted access to the specified reader.
- New actions are now supported for Input, Reader and User Actions:
 - Enable or Disable Input
 - Enable or Disable Reader
 - Enable or Disable PIR Motion Sensor

Bug Fixes

General

- Importing data using Data Migrator will now migrate Site timezone to the correct OS format.
- Improved performance of exporting data using Data Migrator.
- Notification styles can be configured to use the color as the background rather than the icon.
- Fixed the issue where Monitored Door Contact input states would not update.

Permissions

- Added pre-defined Administrator Privilege templates.
- Administrator API keys can now have a custom expiry date.
- Fixed an issue where all APGs would appear on Add Users even if the Admin only has permission to specific APGs.
- Searching permissions will now show child entities if their parent matches the search.
- Prohibited passwords are now case insensitive.

Scheduling

- View and edit assigned doors/floors from the Edit Schedule page.
- Ability to duplicate an existing schedule from the Add and Edit Schedule pages.
- Changed default User schedule mode to Not Allowed when creating new schedules.



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Users/Access Privilege Groups

- Copy Users/Readers/Floors from an existing APG into a new/existing APG.
- Partition Level Custom Fields.
- Added option to disable an APG without deleting.
- STid Blue VCards are now set as transferable by default.
- Improved STid integration performance and error handling.
- Fixed the issue where certain card number validations would not check if card was deleted.
- Card Importer now only requires at least one valid credential rather than validating every credential column selected.

Firmware

- Added Expander Online status and notification.
- Fixed an issue where back-to-back readers would not work correctly when using OSDP.
- Include an 1D bootloader update that resolves a timing issue encountered during firmware updates initiated from the software.

Action Control Engine

- Pulse Unlock action now correctly works with wireless locksets (where lockset supports Pulse Unlock).
- Fixed issue where dollar character would prevent ACE from interpreting code blocks.

Installer

- Added option to configure backups during installation.
- Removed default password for system manager on initial install.
- Display if the license will be invalidated due to updating from 3.0 to 3.3, and a new trial license is generated.
- Display previously selected store certificates as part of the settings.

Integrations

- Fixed an issue where Action Triggers would not execute for DSC events.
- Fixed an issue where certain alarm states would not generate a notification.
- Added notification when Duress alarm is triggered and option to reset Duress state.
- Fixed the issue where DSC notifications were not associated with the alarm panel.
- Forced DSC access code to be 4 digits.
- Fixed an issue where Access Denied notifications are not shown for Schlage locksets in certain circumstances.
- Improved Schlage lockset error handling.
- Improved lockset linking process.
- Fixed an issue where Schlage locksets were sent for deleted holidays.
- Database refactor to handle differential updates, scheduling mapping, and service unavailable responses.
- Added Schlage update queue to better handle the update process.
- Display database update status for Schlage.
- Fixed an issue when deleting Schlage gateways and locksets.