Release Notes

List of new features, bug fixes and improvements

CredoID 4.15

ℹ️ Initially released on **March 15th, 2024** as `4.15.0`
Hotfix 1 - `4.15.45` was released on March 22nd, 2024.

⚠️ CredoID 4.15 is only compatible with the PostgreSQL database. Users currently running PostgreSQL can update straight away.
Users running Microsoft SQL have to update CredoID up to version 4.11.288. Only then migration tools can be used to migrate databases. To migrate the database please check migration tool manual.

Hotfix 1 *(4.15.45)*

CHANGES

- ▸ CIDV4-2057 - Bump pg_dump to 16.1 (automatic database backups)
- ▸ CIDV4-2059 - HID Origo API version increased

Release *(4.15.0)*

FEATURES

- ▸ CIDWUI-1788 - Add timezone setting for devices
- ▸ CIDWUI-1787 - Card history in Users -> Identifications
- ▸ CIDWUI-1774 - Automatic Windows firewall exceptions after installation
- ▸ CIDV4-2051 - Allow to disable RS485 on Mercury controllers
- ▸ CIDV4-2035 - Option to automatically detect and reset OSDP readers address to 0 and baud rate to 9600. (Aero and Mercury controllers)
- ▸ CIDV4-2022 - Add new version checks to the installer
- ▸ CIDV4-1922 - Card information in event details (access granted/denied)

CHANGES

- ▸ CIDWUI-1805 - Improved Mercury device details
- ▸ CIDWUI-1796 - Modified OSDP settings in device details
- ▸ CIDWUI-1792 - Add search to device time zone dropdown

- ▸ CIDWUI-1791 - Device details code optimization
- ▸ CIDWUI-1775 - Upgrade installer Postgre version
- ▸ CIDV4-2053 - Remove MS SQL installer from the installer
- ▸ CIDV4-2041 - Include .NET 8 runtime packages in the installer
- ▸ CIDV4-2018 - Update to .NET 8
- ▸ CIDV4-2015 - AD/CSV user import location count increased
- ▸ CIDV4-1921 - Deleting card from identification set PIN code won't work anymore

BUGS

- ▸ CIDWUI-1804 - Event stream issue when using pagination
- ▸ CIDWUI-1801 - Filter dialog flickering
- ▸ CIDWUI-1799 - Login page in dark mode fix
- ▸ CIDWUI-1798 - Camera live stream issue
- ▸ CIDWUI-1794 - User bulk edit error
- ▸ CIDWUI-1784 - Permission-related DOM object only become visible after page refresh
- ▸ CIDWUI-1780 - User and ACL activation/expiration dates issue
- ▸ CIDWUI-1773 - The door name doesn't fit into the filter if it's too long
- ▸ CIDWUI-1769 - Dark theme text color adjustments
- ▸ CIDV4-2055 - Entry reader settings applied on exit reader when changing door state
- ▸ CIDV4-2047 - EP/LP2500 devices doesn't detect modules
- ▸ CIDV4-2046 - Camera in Maps issue
- ▸ CIDV4-2038 - Error 400 when the operator has certain date and time settings
- ▸ CIDV4-2020 - Sometimes failing to process access events
- ▸ CIDV4-2019 - Occasionally users are not getting access granted with HID controllers
- ▸ CIDV4-2016 - Access level issues with Suprema
- ▸ CIDV4-2014 - Error 22001: value too long for type character varying(1024)
- ▸ CIDV4-2013 - Map objects disappear if you have more than 1 location
- ▸ CIDV4-2012 - Sync error on HID v1000 when bulk updating users
- ▸ CIDV4-1944 - VertX Door Monitor Exit/(In 3)

CredoID 4.14

> ℹ Initially released on **December 11, 2023** as 4.14.39
> Hotfix 1 - 4.14.97 was released on January 15th, 2023.

> ⚠️ CredoID 4.14 is only compatible with the PostgreSQL database. Users currently running PostgreSQL can update straight away.
> **Users running Microsoft SQL have to update CredoID up to version 4.11.288**. Only then migration tools can be used to migrate databases. To migrate the database please check [migration tool manual](#).

Hotfix 1 *(4.14.97)*

FEATURES

- ‣ CIDV4-1947 - Deactivate strike on door close or door open in door "Advanced settings" (HID Aero & Mercury controllers)
- ‣ CIDV4-915 - "Extended Access" functionality

CHANGES

- ‣ CIDWUI-1722 - Exit reader selection in door details improved
- ‣ CIDWUI-1763 - CredoID user naming constraints - only letters, numbers, and dashes are allowed

BUGS

- ‣ CIDV4-2013 - Map objects disappear if you have more than 1 location
- ‣ CIDV4-2012 - Sync error with HID v1000 when bulk updating users
- ‣ CIDV4-2011 - Bulk update access level issue with Suprema
- ‣ CIDV4-2001 - Lock closed event coming through twice
- ‣ CIDV4-1994 - A new database is not created after editing the connection string
- ‣ CIDV4-1988 - Internal server error caused when trying to save with camera module field expanded
- ‣ CIDV4-1855 - Events missing after deleting doors
- ‣ CIDWUI-1767 - Fixed sidenav active routes

Release *(4.14.39)*

FEATURES

- ‣ CIDV4-2004 - [Tanlock 3 ↗](#) integration
- ‣ CIDWUI-1750 - Maps remake

CHANGES

- ‣ CIDWUI-1710 - Add search for device dropdown in "Door" details
- ‣ CIDWUI-1714 - Select entry reader as "exit" in the Who's In template
- ‣ CIDWUI-1718 - "Are you sure dialog" improvement
- ‣ CIDWUI-1722 - Exit reader selection in door details improved
- ‣ CIDWUI-1731 - Filter selector improvements
- ‣ CIDWUI-1732 - Dark mode improvements

▸ CIDWUI-1738 - Input details improvement

BUGS

▸ CIDV4-1998 - Reader alarm doesn't turn off without synchronization (Forced open, Held open)

▸ CIDV4-2003 - Alert is not correctly shown in the notifications dropdown

▸ CIDWUI-1691 - Event filter after reloading doesn't work

▸ CIDWUI-1692 - Alerts tab causes duplicate calls

KNOWN ISSUES

▸ In some cases, having 2 or more locations, door objects might disappear from a map when updating door settings. The issue does not affect users that have a single location. **CIDV4-2013 fixed in version 4.14.97**.

CredoID 4.13

> ℹ️ Initially released on **October 24, 2023** as 4.13.35

> ✓ CredoID 4.13.0 arrives with major changes - most of the operations in CredoID will not require synchronization. [Read more](#)

> ⚠️ CredoID 4.13.0 is only compatible with the PostgreSQL database. Users currently running PostgreSQL can update straight away.
> **Users running Microsoft SQL have to update CredoID up to version 4.11.288**. Only then migration tools can be used to migrate databases. To migrate the database please check [migration tool manual](#).

Release *(4.13.35)*

FEATURES

▸ CIDV4-1163 - [Firmware](#) updates for HID Aero, Mercury controllers and modules

▸ CIDV4-1975 - Synchronization requirements: Schedules

▸ CIDV4-1976 - Synchronization requirements: Doors

▸ CIDV4-1980 - Synchronization requirements: I/O

▸ CIDV4-1981 - Synchronization requirements: Card formats

▸ CIDV4-1982 - Synchronization requirements: Holidays

▸ CIDV4-1983 - Synchronization requirements: Elevators

▸ CIDV4-1978 - Clock & Data reader support for VertX controllers

▸ CIDWUI-1516 - Webcam support for user profile pictures

CHANGES

- ▸ CIDV4-2000 - Access granted events should come before door monitor and strike relay events
- ▸ CIDV4-1967 - Running devices container improvements (Musdo)
- ▸ CIDWUI-1543 - Don't allow duplicate Lock IDs w/ Aperio IP Hub
- ▸ CIDWUI-1578 - Output details save improvements
- ▸ CIDWUI-1580 - User details save improvements
- ▸ CIDWUI-1583 - Delete confirmation in "Access levels" and user "Identification"
- ▸ CIDWUI-1585 - Add dialog on delete in device modules
- ▸ CIDWUI-1594 - Report generation optimization
- ▸ CIDWUI-1599 - Handle database migration state properly
- ▸ CIDWUI-1614 - Update postpone event API call under the "Alerts" tab
- ▸ CIDWUI-1628 - Mobile device reader interface name field should be read-only
- ▸ CIDWUI-1633 - Remove thumbnail checkbox in "Cameras"
- ▸ CIDWUI-1635 - Improve Mercury and Azure "Modules" section

BUGS

- ▸ CIDV4-1934 - Add validation for device module circular references
- ▸ CIDV4-1985 - Alerts aren't generated for certain entities if it's used in automation triggers
- ▸ CIDV4-1990 - Can't add a description to Digifort in "Devices"
- ▸ CIDV4-1991 - Mobile device bad request while saving
- ▸ CIDV4-1999 - Suprema fails to connect
- ▸ CIDWUI-1537 - Profile picture incorrectly resized in "Card Designer"
- ▸ CIDWUI-1538 - Selected input/output is duplicated in the dropdown menu
- ▸ CIDWUI-1541 - "Card printing" template selection issues
- ▸ CIDWUI-1568 - Can't switch between alert pages after clicking on the link in notifications
- ▸ CIDWUI-1569 - Trigger action filter edit - bad request
- ▸ CIDWUI-1570 - Disallow special characters in holiday names
- ▸ CIDWUI-1572 - Cache not marked as dirty after excluded event update
- ▸ CIDWUI-1595 - "Open" button is disabled in maps/door control
- ▸ CIDWUI-1596 - "Who is In" report sometimes fails
- ▸ CIDWUI-1601 - "Triggers" filter issues
- ▸ CIDWUI-1602 - Save button in "Triggers" should be disabled without a selected filter
- ▸ CIDWUI-1617 - Change license information display errors
- ▸ CIDWUI-1619 - "Occupancy" should be allowed to be used without "Interlock"
- ▸ CIDWUI-1625 - Fix "Access areas" checkboxes
- ▸ CIDWUI-1626 - Bad request sent when trying to add a new access level

- CIDWUI-1632 - Disallow selecting an empty value indoor details elevator
- CIDWUI-1670 - Double side card print not available from the Identifications tab

KNOWN ISSUES

- The door forced open alarm is not cleared correctly and requires controller synchronization.

CredoID 4.12

ⓘ Initially released on **July 18, 2023** as `4.12.0`

⚠ CredoID 4.12.0 is only compatible with the PostgreSQL database. Users currently running PostgreSQL can update straight away.
Users running Microsoft SQL have to update CredoID up to version 4.11.288. Only then migration tools can be used to migrate databases. To migrate the database please check [migration tool manual](#).

Release *(4.12.0)*

FEATURES

- CIDV4-1729 - Azure Access Technology [BLU-IC2](#) ↗ and [BLU-IC4](#) ↗ Controller support
- CIDWUI-1544 - [Alerts with sounds and notifications](#)

CHANGES

- CIDWUI-1546 - Added Thai and French translations

BUGS

- CIDV4-1965 - Access area details checkbox issue with interlock and occupancy mode
- CIDV4-1957 - Backend optimization (localization issues)
- CIDWUI-1564 - Card can be registered without card format selected
- CIDWUI-1569 - Trigger action filter edit - bad request
- CIDWUI-1565 - Save button is disabled with valid dates in holidays

CredoID 4.11

ⓘ Initially released on **February 14, 2023** as `4.11.0`
Hotfix 4 - `4.11.288` was released on July 13th, 2023.
Hotfix 3 - `4.11.161` was released on May 19th, 2023.

> Hotfix 2 - `4.11.119` was released on April 28th, 2023.
> Hotfix 1 - `4.11.26` was released on March 1st, 2023.

> ✕ CredoID 4.11.288 is a final release with Microsoft SQL support. Further version updates will require a PostgreSQL database. To migrate the database please check [migration tool manual](.).

> ⚠ CredoID 4.11.0 update will require to re-apply the current license due to the new licensing mechanism. Licenses can be re-activated online or using a .license file.

Hotfix 4 *(4.11.288)*

FEATURES

- ▸ CIDV4-1945 - Deactivate strike on the door close (experimental for maglocks)

CHANGES

- ▸ CIDV4-1642 - Modify unique constraints between locations
- ▸ CIDV4-1880 - Remove "Inaccessible access levels" from event reasons
- ▸ CIDV4-1911 - User creation API enhancements (duplicate check)
- ▸ CIDV4-1918 - Mark identifications as deleted instead of deleting them
- ▸ CIDV4-1962 - Aero/Mercury communication refactoring

BUGS

- ▸ CIDV4-1964 - Incorrect American DST settings with Mercury/Aero devices
- ▸ CIDV4-1963 - Tamper and other module inputs do not change properly when the module goes offline

Hotfix 3 *(4.11.161)*

> ℹ Solves the issue with older Mercury EP1502 hardware revision where memory allocation is different from newer revisions.

Hotfix 2 *(4.11.119)*

FEATURES

- ▸ CIDV4-1833 - Aperio IP HUB integration for HID Aero and Mercury controllers

CHANGES

- ▸ CIDV4-1917 - Resize max log file size and make it roll on size limit reach
- ▸ CIDWUI-1528 - "Events" columns structure changes and remapping
- ▸ CIDWUI-1536 - Device "Internal Panel" identifier selection should be read-only

- CIDWUI-1539 - Allow only positive values in "Occupancy" settings

BUGS

- CIDV4-1936 - Card is not removed from the controller if identification "Set" is not deleted
- CIDV4-1931 - Suprema CS40 No access level issue
- CIDV4-1637 - Search shouldn't be case-sensitive
- CIDV4-1841 - Unable to delete running script
- CIDV4-1866 - Card designer issue on low-resolution
- CIDV4-1877 - User import errors
- CIDV4-1882 - Empty field in "Event reasons" filter removed
- CIDV4-1883 - Can't enable OSDP on Mercury device's internal modules
- CIDV4-1889 - Connection string issues
- CIDV4-1890 - Operator account fields empty after update
- CIDV4-1891 - "Scheduled Imports" group bindings are null in some cases
- CIDV4-1892 - Active Directory group bindings caps at 8 access levels
- CIDV4-1895 - Identifier can't be changed after saving
- CIDV4-1907 - Can't delete script if it's stopped
- CIDV4-1909 - Logging stops after reaching the log file size limit
- CIDV4-1930 - Backup restore causes the database to go offline
- CIDV4-1932 - Removed log level "None"
- CIDV4-1933 - Invalid module setup might cause a crash
- CIDV4-1935 - Elevator Relay Module / Outputs issues
- CIDWUI-1521 - Calendar in holiday section breaks other calendars
- CIDWUI-1524 - Print "User report" - doesn't work if the user has a profile picture.
- CIDWUI-1526 - Button colors in "Triggers" actions
- CIDWUI-1527 - Text color in "Groups"
- CIDWUI-1529 - Errors while editing in "Maps"
- CIDWUI-1532 - Wrong snack bar message after reaching operator limit
- CIDWUI-1534 - Actions toggle switch in "Devices" visual bug

Hotfix 1 *(4.11.26)*

BUGS

- CIDV4-1890 - Issue where sometimes the operator loses locale settings
- CIDV4-1889 - Connection string issues after update
- CIDV4-1892 - Active Directory group bindings caps at 8 access levels
- CIDV4-1891 - Scheduled Imports group bindings are null in some cases

Release *(4.11.0)*

FEATURES

- CIDV4-1838 - First man unlock (HID Aero and Mercury only)
- CIDV4-1861 - Access level expiration and activation dates (HID Aero and Mercury only)
- CIDV4-1850 - Mercury Mr62e and Mr51e modules support
- CIDV4-1706 - Volume licensing support
- CIDV4-1705 - Local license server
- CIDV4-1751 - New door "State" column
- CIDV4-1778 - User pictures in the "Events" and "Users" list
- CIDV4-1781 - Added search for filters
- CIDV4-1800 - New card format 34bit Indala
- CIDV4-1828 - New card format 37bit Wiegand
- CIDV4-1799 - PIN Duress support (new event with "Duress" reason)
- CIDV4-1807 - Added "Generate unique PIN" code button
- CIDV4-1661 - Added backup version checks
- CIDV4-1671 - Dashboard improvements: added time ranges for events
- CIDV4-1748 - Details window now acts as an overlay instead of a side nav
- CIDWUI-1866 - Many visual UI improvements

CHANGES

- CIDV4-1796 - Generate unique pin API call
- CIDV4-1797 - Allow saving and uploading duplicate pin codes to the controller
- CIDV4-1798 - Import changes for duplicated PIN codes
- CIDV4-1823 - hasImage property should be real-time
- CIDV4-1837 - Do not show the CredoID Checkpoint door state as it is a virtual device
- CIDV4-1848 - Optimize archive event table data
- CIDV4-1856 - Null exception when deleting device
- CIDV4-1865 - Remove trigger count from license
- CIDV4-1868 - Change the "Users" tab main menu button structure
- CIDWUI-1499 - Show activation/expiration time in User details
- CIDWUI-1502 - Enabling PIN Code visibility shouldn't enable it for all users
- CIDWUI-1503 - Card designer improvements: double-sided print, text alignment (on print) and object layering
- CIDWUI-1519 - Rearrange "Status" columns to 2nd column

BUGS

- CIDV4-1663 - Logging level switches to 'Information' when starting service.

- CIDV4-1721 - Scheduled "Who Is In" report issues
- CIDV4-1758 - Adjust colors for dark theme
- CIDV4-1769 - Can't update Inputs after they are saved
- CIDV4-1774 - Event report preview does not pass limit parameter
- CIDV4-1776 - Origo mobile credential provider saving issue
- CIDV4-1780 - Origo prod, dev env. issues
- CIDV4-1786 - Can't delete schedule after assigning it to output
- CIDV4-1791 - Access Granted with APB Violation reason error
- CIDV4-1792 - Door state changes only for entry doors with 2 reader setup
- CIDV4-1794 - The "Print" button in the Users menu opens a blank page
- CIDV4-1811 - Fail to read device configuration ID
- CIDV4-1815 - Musdo Inputs tamper state icon missing in Maps
- CIDV4-1817 - Namecheck when updating entity name
- CIDV4-1819 - Import allows duplicate users if there is a letter in PrimaryKey
- CIDV4-1825 - License Plate Identification duplicates (Postgres)
- CIDV4-1831 - Access Areas sorting by name doesn't work
- CIDV4-1832 - VertX door state display bug
- CIDV4-1835 - Suppress API/refresh-token message when the token expires
- CIDV4-1836 - Duplicating logs
- CIDV4-1842 - Date is shown in full format instead of short
- CIDV4-1851 - Adding Mr16in and Mr16out modules manually throws error
- CIDV4-1852 - Entering existing "Employee No." floods the system with requests
- CIDV4-1860 - Readers connected to Mr62e doesn't read cards after sync
- CIDV4-1871 - Door state disappears after saving changes
- CIDV4-1872 - Door "Status" is not assigned after save
- CIDWUI-1494 - Maps doesn't update the door status icon when switching to "Secure"
- CIDWUI-1500 - Text alignment (center) not outputting correctly when printing cards
- CIDWUI-1501 - All objects in Map are check-marked by default
- CIDWUI-1505 - The "Select" button should be disabled before selecting the import file
- CIDWUI-1507 - Selecting how many items to show in a list - breaks the page
- CIDWUI-1509 - Scrollbar out of view
- CIDWUI-1510 - Sidenav issue when minimized
- CIDWUI-1511 - Clicking on the "State" column doesn't select doors
- CIDWUI-1512 - Licensing / offline activation missing text field
- CIDWUI-1513 - Can't add date for holiday
- CIDWUI-1514 - Artefacts in UI when manually adding module

- ▸ CIDWUI-1515 - The login page sometimes gets stuck on loading

- ▸ CIDWUI-1517 - Time format in schedules doesn't correspond to operator settings

- ▸ CIDWUI-1518 - Save button in Inputs/Outputs is enabled when required details are missing

- ▸ CIDWUI-1520 - User card report missing company, department, and title

CredoID 4.10

> ℹ️ Initially released on **November 11, 2022** as `4.10.0`.
> Hotfix 1 - `4.10.81` was released on December 8th, 2022.
> Hotfix 2 - `4.10.221` was released on January 5th, 2023.
> Hotfix 2 - `4.10.232` was released on January 10th, 2023.

Hotfix 3 *(4.10.232)*

BUGS

- ▸ CIDV4-1841 - Scripts failing to run due to missing dependencies

Hotfix 2 *(4.10.221)*

FEATURES

- ▸ CIDV4-1799 - PIN Duress event

- ▸ CIDV4-1796 - Generate unique PIN functionality

CHANGES

- ▸ CIDV4-1797 - Allow to save and upload duplicate PIN codes to the controller

BUGS

- ▸ CIDV4-1806 - Updated elevator floors are not submitted

- ▸ CIDV4-1818 - Elevator duplicate floor configuration check

- ▸ CIDV4-1822 - Removed HID Aero & Mercury access level limit

Hotfix 1 *(4.10.81)*

BUGS

- ▸ CIDV4-1812 - Mercury controllers missing door mode control in "Inputs"

- ▸ CIDV4-1813 - Trigger output isn't working with Mercury controller inputs correctly

- ▸ CIDV4-1811 - Sometimes failing to read device configuration ID

- ▸ CIDV4-1800 - Added new card format 34bit Indala

- ▸ CIDWUI-1506 - Can't remove all outputs and doors from Input door mode control using checkbox

- ▸ CIDV4-1818 - Elevator-related amends

‣ CIDV4-1818 - Added checks to handle cases where duplicate floor configuration is submitted to the API

‣ CIDV4-1571 - Fixes STid card format issue

‣ CIDV4-1571 - Fixes for HID Origo credential provider API call

Release (4.10.0)

FEATURES

‣ CIDV4-1709 - Interlock support with Aero and Mercury controllers

‣ CIDV4-1711 - Occupancy support with Aero and Mercury controllers

‣ CIDV4-1679 - HID Origo Mobile ID credential provider

‣ CIDV4-1731 - STid Mobile ID provider

‣ CIDV4-1728 - Show "Authentication mode" in the "Doors" list

‣ CIDV4-1747 - "Door state" shown in "Doors" list

‣ CIDV4-1697 - Description field for "Devices" details

CHANGES

‣ CIDV4-1712 - Access areas instead of anti-passback

‣ CIDV4-1678 - Added switch for enabling/disabling mobile credential providers

‣ CIDV4-1686 - Event processing pipeline simplification

‣ CIDV4-1724 - External credential provider-related amends

‣ CIDV4-1732 - Disable the "Generate Report" button when report generation is in progress

‣ CIDV4-1734 - Identifier field for CoreStation device should be required

‣ CIDV4-1744 - API call for Occupancy count in the list

‣ CIDV4-1720 - API calls for user activation/deactivation

‣ CIDV4-1750 - Remove or disable the Mobile ID button where it's not possible to use it

‣ CIDV4-1753 - Don't show toast error for mobile "Test" call

‣ CIDV4-1755 - The user should be saved before allowing to issue a mobile credential

‣ CIDV4-1757 - Add resend credential button for issued mobile credential

‣ CIDV4-1764 - In user details don't use API/settings/identifications/card-formats call

‣ CIDWUI-1491 - When creating an APB area - set "Soft" as the default APB mode

‣ CIDV4-1773 - Updated HID Aero SDK

‣ CIDV4-1775 - Updated Mercury SDK

BUGS

‣ CIDV4-1681 - T&A report memory leak investigation, performance optimization

‣ CIDV4-1702 - The wrong parameter passed when trying to issue a virtual card

‣ CIDV4-1707 - Issues with mobile credentials in user details

‣ CIDV4-1716 - The double card feature is not working on the Exit reader

- CIDV4-1717 - Missing scroll in Inputs "Door mode control"
- CIDV4-1719 - Just after creating the credential provider test API call is made with invalid parameters
- CIDV4-1723 - Mobile ID provider card issue email ignored
- CIDV4-1740 - Missing employee nr. in "Events" report
- CIDV4-1741 - Archived Events CSV fails to generate a preview
- CIDV4-1743 - Connection string parameter issue
- CIDV4-1746 - Mobile credential delete button issue
- CIDV4-1752 - Service crash trying to delete elevator door
- CIDV4-1756 - Without "Settings read" the user admin cannot see facility codes
- CIDV4-1758 - Adjust colors for dark theme
- CIDV4-1762 - Access areas occupancy count gone after sync
- CIDV4-1770 - Door mode "FC only" returns the wrong access mode
- CIDWUI-1486 - PIN Code credential doesn't accept "0" as the first digit.
- CIDWUI-1487 - Dashboard API call gets 'Forbidden' response
- CIDWUI-1489 - Error when creating APB area

CredoID 4.9

Initially released on **July 29, 2022** as `4.9.0`.
Hotfix 1 - `4.9.46` was released on August 11th, 2022.
Hotfix 2 - `4.9.69` was released on August 18th, 2022.
Hotfix 3 - `4.9.133` was released on September 15th, 2022.
Hotfix 4 - `4.9.166` was released on October 17th, 2022.

⚠ Initial post-update launch might take a while if you have more than 500k events. Please let the service execute update scripts at least for 10 minutes before logging into CredoID.

Hotfix 3 *(4.9.166)*

BUGS

- CIDV4-1739 - Event pipeline batching method causes event delay
- CIDV4-1716 - Double card feature is not working properly on exit readers

Hotfix 3 *(4.9.133)*

FEATURES

- CIDV4-1641 - Added additional description field to device details
- CIDV4-1664 - Licensed operator count should be checked

- CIDV4-1696 - Add "Title" to "Users" filters
- CIDWUI-1479 - Date range selector in the dashboard for access granted and denied events
- CIDV4-1670 - Add full backup information for PostgreSQL

CHANGES

- CIDV4-1698 - Add search and sorting by name for Triggers
- CIDV4-1701 - Edge EVO IOLinker/ output implementation
- CIDV4-1686 - Event processing pipeline simplification
- CIDWUI-1485 - Change misleading texts in license info
- CIDV4-1659 - Can't differentiate device modules in filters
- CIDV4-1699 - Operator count in license info added
- CIDV4-1695 - Remove device reset after several failures (Mercury/Aero)
- CIDWUI-1477 - Add location to the dashboard API call

BUGS

- CIDV4-1669 - "Delete inactive users older than ___ days" fixed
- CIDV4-1668 - Internal server error when saving a mobile reader
- CIDV4-1681 - T&A report memory leak, performance optimization
- CIDWUI-1442 - Freeform area drawing on the map doesn't work properly
- CIDWUI-1482 - Delete events older than __ days allows to deselect and turn off event cleanup
- CIDV4-1688 - Vertx Timezone problems (added time sync override in additional.config)
- CIDV4-1691 - Vertx time drift issue
- CIDV4-1687 - Missing outputs from controllers in "Outputs" in some cases
- CIDWUI-1483 - Bulk edit should deselect after "Save" action
- CIDV4-1673 - Can't issue a mobile credential
- CIDV4-1682 - FC and card no. duplicate issue solved
- CIDV4-1674 - JWT token fix
- CIDV4-1689 - Fail to restore database w/ PostgreSQL
- CIDV4-1692 - Invalid expiration date sent when creating user
- CIDWUI-1481 - Snackbar showing success when failing to restore backup
- CIDWUI-1480 - User activation date and time keep rolling back
- CIDV4-1675 - T&A Reports missing details
- CIDV4-1683 - T&A Report preview issues
- CIDV4-1666 - Dashboard event count does not match filtered/archived event count
- CIDWUI-1478 - Wrong facility code shown in user details
- CIDWUI-1419 - Musdo inputs on the map cannot be added

Hotfix 2 *(4.9.69)*

FEATURES

- CIDV4-1648 - Add version to log filename
- CIDV4-1665 - Added version to backup name

CHANGES

- CIDV4-1547 - Improved "Events" table performance by up to 70%
- CIDV4-1602 - Remove localization from the events view further improving the "Events" table performance
- CIDV4-1639 - Include ASP .NET Core Runtime and .NET Runtime in CredoID setup
- CIDV4-1650 - Possibility to disable Suprema gateway service in additional config
- CIDV4-1656 - Event stream should stop when date range, filter, or search is applied
- CIDV4-1657 - Removed sorting by event type in "Events"
- CIDV4-1658 - Improved search in the "Events" tab
- CIDWUI-1468 - Events not being shown due to wrong locale

BUGS

- CIDV4-1578 - Wrong IP address shown for devices
- CIDV4-1631 - "Primary key" should be a required field when importing users from CSV
- CIDV4-1632 - Logs get randomly flooded
- CIDV4-1640 - Device goes offline and comes back in "Pending" mode
- CIDV4-1645 - Can't create a backup using PostgreDB
- CIDV4-1646 - The wrong time is shown in the "Audit log"
- CIDV4-1647 - T&A report generation and other fixes
- CIDV4-1655 - Sorting devices by "Configuration" doesn't work
- CIDV4-1662 - Media files being deleted by cleanup worker
- CIDWUI-1471 - Search inconsistency
- CIDWUI-1473 - Time Settings -> Schedules pop-up period selection doesn't correspond to locale settings
- CIDWUI-1474 Device "Pending changes" menu delay
- CIDWUI-1475 Event stream delay fix
- CIDWUI-1476 Facility code not properly passed to API calls

Hotfix 1 *(4.9.46)*

- CIDV4-1654 - Musdo connection issues with the new .NET 6 version
- CIDV4-1640 - Aero and Mercury devices go offline and come back in "Pending" state

Release *(4.9.0)*

> ⚠️ Make sure you have the latest backup before performing an upgrade from 4.8.0 to the latest

> version!

> ⚠️ Fresh installations are deployed only with the **PostgreSQL** database. Microsoft SQL Express is still supported but has to be installed manually.

FEATURES

- CIDV4-1396 - Linux port
- CIDV4-1557 - Postgre database support
- CIDV4-1425 - Add user anti-passback exempt API
- CIDV4-1572 - Osdp secure channel implemented for Mercury & Aero devices
- CIDV4-1583 - Windows authentication handling
- CIDV4-1604 - "Who Is In" report enhancements
- CIDWUI-1390 - Improve Trigger configuration menu and list
- CIDWUI-1420 - Change default sorting for Log file list, add paging/option to delete
- CIDWUI-1428 - Holidays workflow changes
- CIDWUI-1432 - Add OSDP secure channel checkbox to device module details
- CIDWUI-1448 - Clear cache when new CredoID version detected
- CIDWUI-1456 - Add anti-passback exemption checkbox to user details
- CIDWUI-1457 - Add anti-passback exemption checkbox to user bulk update
- CIDWUI-1458 - Calendars should have different starting days depending on locale settings.

CHANGES

- CIDV4-1546 - Fix device issues in the cross-platform branch
- CIDV4-1551 - Fix PDF generation on the Linux platform
- CIDV4-1552 - Fix active directory import on Linux platform
- CIDV4-1553 - Database keep alive
- CIDV4-1554 - Get the current CredoID mobile app version during the sync
- CIDV4-1556 - Add default device settings to the config file
- CIDV4-1561 - Wrong language partially displayed in Audit Log
- CIDV4-1577 - Migrate to .NET 6
- CIDV4-1608 - Create an endpoint or reuse the existing one for returning basic service info
- CIDV4-1611 - Remove authorization requirement for refresh token endpoint
- CIDV4-1612 - Refresh token behaves incorrectly
- CIDV4-1619 - Database connection status
- CIDV4-1625 - Check 'Import is enabled' in Settings.
- CIDWUI-1371 - Dashboard improvement: on the Devices card click open the Devices tab.

- CIDWUI-1446 - Dark color scheme - user details add "+" sign needs contrast

- CIDWUI-1449 - The scheduled panel should not have a slider

- CIDWUI-1460 - "Who Is In" report interface improvements

- CIDWUI-1465 - Refresh token request body changes

BUGS

- CIDV4-1537 - Elevators permission nice name has a typo

- CIDV4-1548 - Investigate potential memory leak on Linux platform

- CIDV4-1555 - Suprema process doesn't stop properly

- CIDV4-1560 - Missing files shouldn't break the API that is trying to delete them

- CIDV4-1573 - Doors "Secure" button should reset all doors to default operation mode

- CIDV4-1575 - Postgre batch update fail (remove module operation)

- CIDV4-1576 - When creating Time&Attendance reports title comes out as department

- CIDV4-1578 - Wrong IP address shown for devices

- CIDV4-1581 - Automated "Who Is In" report outputs an empty list.

- CIDV4-1587 - Can't create a backup.

- CIDV4-1589 - Incorrect language in "Roles"

- CIDV4-1593 - Event cleanup bug

- CIDV4-1594 - User import fails in postgre

- CIDV4-1596 - User filter API call fix

- CIDV4-1598 - Unused card list shows incorrect reader direction

- CIDV4-1606 - Can't save time in schedules/holidays if it ends @ 12:00 AM

- CIDV4-1609 - When backup fails, snack bar should show no backup created, but failed + exception msg

- CIDV4-1615 - "Could not connect to database" dialog not shown

- CIDV4-1620 - MSSQL database fails backup/restore

- CIDV4-1621 - Can't clean up archived events

- CIDV4-1622 - Event stream API fails to retrieve the current principal

- CIDV4-1624 - Operator with role "User administrator" missing permissions

- CIDV4-1627 - Can't add 'Timed' column in Hardware -> Outputs.

- CIDV4-1630 - Missing "Event type" in Filters

- CIDV4-1632 - Logs sometimes get randomly spammed

- CIDV4-1633 - User export to PDF only shows the current page

- CIDV4-1634 - Triggers do not work correctly with retries

- CIDWUI-1217 - Event update from Digifort triggers spam snack bars

- CIDWUI-1411 - "Expanded=IsTrue" not working correctly in "Users" identifications accordion

- CIDWUI-1430 - Don't allow symbols/letters for PIN code

- ▸ CIDWUI-1433 - Hitting "Enter" while typing in the search field brings up a loading screen.

- ▸ CIDWUI-1435 - Search doesn't work in "Locations"

- ▸ CIDWUI-1436 - Save button greyed out in Settings -> Clean-up

- ▸ CIDWUI-1437 - The audit Log doesn't show the result for "Today"

- ▸ CIDWUI-1439 - Text color is unreadable in the "Date range" list, dark mode

- ▸ CIDWUI-1440 - Events page -> Export PDF has no icon.

- ▸ CIDWUI-1441 - Time & Attendance report preview shows unnecessary details.

- ▸ CIDWUI-1444 - Card designer incorrectly calculates margins

- ▸ CIDWUI-1450 - Schedule design flaw fixes

- ▸ CIDWUI-1451 - Logo caching issue

- ▸ CIDWUI-1454 - Dark mode disappears after logout/login and page refresh

- ▸ CIDWUI-1459 - Clicking on any activity in the audit log brings up an empty side menu.

- ▸ CIDWUI-1461 - Can't add new users

- ▸ CIDWUI-1462 - The "Delete" button is enabled without selecting any item.

- ▸ CIDWUI-1463 - Toast service fixes

- ▸ CIDWUI-1464 - Sorting doesn't work in "Backup & Restore"

- ▸ CIDWUI-1466 - Can't set holiday dates that go DEC->JAN

- ▸ CIDWUI-1467 - Can't save cleanup settings

CredoID 4.8

> ℹ️ Initially released on **May 12, 2022** as `4.8.0`.
> Hotfix 1 - `4.8.28` was released on May 31st, 2022.
> Hotfix 2 - `4.8.83` was released on June 13th, 2022.
> Hotfix 3 - `4.8.123` was released on June 23rd, 2022.

Hotfix 3 *(4.8.123)*

- ▸ CIDV4-1588 - Missing "Suppress forced open alarm" checkbox

- ▸ CIDV4-1599 - E-mail is not being sent correctly when the user has an e-mail address

- ▸ CIDV4-1596 - User filter API call fix

- ▸ CIDWUI-1427 - Add filterId, searchText parameter for user csv export

- ▸ CIDWUI-1434 - Card Designer unable to save profile image and QR Code objects

- ▸ CIDV4-1567 - User filter is ignored when exporting user list to CSV

- ▸ CIDWUI-1438 - In filters GET available users take only the first 1000 users

Hotfix 2 *(4.8.83)*

- CIDV4-1588 Missing "Quiet REX" and "Suppress forced open alarm" checkboxes
- CIDV4-1574 Profile image loading issue

Hotfix 1 *(4.8.28)*

- CIDV4-1564 - Don't allow creation holiday without a date
- CIDV4-1565 - Holidays should state pending changes after deletion
- CIDV4-1559 - Add search and order by name for maps GET API call
- CIDV4-1563 - Sometimes existing license is not applied after an update
- CIDV4-1567 - User filter is ignored when exporting user list to CSV
- CIDWUI-1422 - Door monitor and strike relay are not shown in the door "Advanced settings"
- CIDV4-1566 - Readers sometimes missing in the "Doors" selection.
- CIDWUI-1417 - License window sometimes doesn't appear
- CIDWUI-1403 - Device sync result is shown in the snack bar incorrectly
- CIDWUI-1418 - Add filter to maps component map select input
- CIDWUI-1418 - Add filter and search to the "Maps" selection field
- CIDWUI-1426 - Card designer issues
  - When saving an image from a different hostname we get the absolute path for the image and it can't be loaded
  - Center alignment is broken in the "Card Designer" print menu, but it's fine in the "Users" print
  - Preview is broken in "Users" print
  - Missing "Print" button to engage Windows Print dialog instead of selecting from context menu
  - Scrolling bug in "Card Designer"
  - Image for printing generated in pixels using mm measurements. If a card size is CR-80 (860x540mm), then the final image is also done in 860x540 pixels. Needs proper scaling
  - Ruler in the designer does not correspond to CR-80 measurements.

Release *(4.8.0)*

> ⚠ Make sure you have the latest backup before performing an upgrade from 4.7.0 to the latest version!

FEATURES

- CIDWUI-1327 - Mobile credentials for STID
- CIDV4-635 - Suprema device integration
- CIDWUI-1361 - "Delete all" button and API call for unused cards list
- CIDWUI-1336 - "Toggle output" option in triggers
- CIDWUI-1340 - Cleanup setting for event count

- CIDV4-1535 - Cleanup setting for inactive users
- CIDV4-1464 - Door "Advanced settings" refactoring
- CIDV4-1545 - Door bulk delete API call
- CIDV4-1484 - Facility code support for "Door access mode" for Mercury and Aero devices
- CIDV4-1430 - Implement configuration status tracking mechanism for Suprema
- CIDV4-1518 - Implement CredoID white-labeling (logo replacement)
- CIDWUI-1362 - Implement XPass 2 device details
- CIDWUI-1374 - Implement XPass device details
- CIDWUI-1324 - Links from dashboard items added
- CIDWUI-1337 - Logging level switch in "Settings"
- CIDV4-1482 - Mercury devices door mode control
- CIDV4-1511 - Momentary unlock for Suprema
- CIDV4-1543 - Musdo devices time sync on/off switch in config.additional.json
- CIDWUI-1357 - New "Logs" interface added in "Settings" to change logging level and retrieve logs
- CIDWUI-1363 - New settings for Mobile ID
- CIDWUI-1348 - Option to enable custom entry/exit reader selection in T&A reports
- CIDV4-1536 - Possible to add an empty holiday schedule to restrict access
- CIDV4-1521 - Save scanned card to unused card list from access denied event
- CIDV4-789 - Search users by license plate number
- CIDWUI-1326 -Show custom license owner information in the main menu
- CIDV4-1492 - T&A report designated clock-in/clock-out reader selection
- CIDWUI-1369 - Unique random card no. for "Mobile ID" credential
- CIDWUI-1356 - Validate entered license key using regex
- CIDV4-1508 - Xpass 2 implementation

CHANGES

- CIDWUI-1343 - "Doors" advanced settings refactored
- CIDV4-1495 - Abstraction for mobile credential integrations
- CIDWUI-1407 - Action buttons with selection count have badges instead of inline text
- CIDV4-1469 - Add "Discovered" devices timeout
- CIDV4-1500 - Add "Total time" in hh: mm format in T&A reports
- CIDWUI-1365 - Add additional data to elevator relay select field
- CIDWUI-1377 - Add card format dropdown for Suprema in scan card dialog
- CIDV4-1522 - Add retry mechanism using poly for HTTP requests of trigger action
- CIDWUI-1373 - After the Mobile ID revoke call is complete remove the card from the set
- CIDWUI-1332 - Automatically select FC in "Identifications"

- CIDWUI-1341 - Change the looks of "Reports" to match other menus
- CIDWUI-1342 - Changes to dashboard data retrieval
- CIDWUI-1261 - File explorer component for "Scheduled reports"
- CIDWUI-1347 - Filter out "Exit buttons" from the T&A reader selection
- CIDWUI-409 - Hide LPR door momentary unlock button
- CIDWUI-1325 - Improve user "Identifications" tab usability
- CIDWUI-1303 - Increase access level details height
- CIDWUI-1372 - The last credential set is automatically expanded
- CIDWUI-1349 - License info and light mode toggle icon placement/styling changes
- CIDWUI-1220 - License updates expiration will be marked if less than 30 days remaining
- CIDV4-1507 - Logging configuration changes
- CIDWUI-1375 - Logo file existence check
- CIDWUI-1354 - Make scheduled report clean-up option required
- CIDWUI-1366 - Mobile credential input validation
- CIDWUI-1283 - Refactor "Trigger" actions look
- CIDWUI-1360 - Remove the "Custom recurrence" option from scheduled reports
- CIDWUI-1352 - Remove "REX" from "Whos in" and "T&A" report templates
- CIDWUI-1304 - Replace text "Exit Button pressed" and equivalent with more generic "REX activated"
- CIDWUI-1414 - Scheduled reports "Output path" input field should be action clickable
- CIDWUI-1413 - Scrollbar in "Access levels" should be visible when overflowed
- CIDV4-1494 - STID mobile credential integration
- CIDWUI-1301 - Suprema device details
- CIDWUI-1355 - T&A report checkboxes should be false when creating a new template
- CIDWUI-1296 - Timeout value for HID VertX devices should be read-only
- CIDWUI-1353 - Tooltips added in "Scheduled reports"

BUGS

- CIDV4-1544 - "Doors" advanced settings throw an error when the deleted module is used
- CIDWUI-1302 - "Events" export duplicated filters and fails
- CIDWUI-1359 - "Last execution" time is not displayed in FE for scheduled reports
- CIDWUI-1328 - "Synchronize" snack bar button shows up with the wrong colors
- CIDV4-1403 - "Unlock" mode does not light up green LED on the reader with VertX devices
- CIDWUI-1386 - "Who is In" report issue with reader naming
- CIDV4-1477 - 405 error instead of the initial database setup screen
- CIDV4-1480 - 48bit card invalid format error
- CIDWUI-1378 - A bug while rendering licensing component

- CIDWUI-1392 - Access levels details scrolling visual bug
- CIDWUI-1406 - Action buttons are duplicated on lower-resolution screens
- CIDV4-1550 - Active Directory import failing without error
- CIDV4-1467 - After adding card format and facility code "Device pending changes" message is not shown
- CIDV4-1346 - Archiving events failing
- CIDWUI-1331 - Area in "Maps" has form manipulation and background issues
- CIDV4-1472 - Can't delete access level on some occasions
- CIDV4-1481 - Card scan should not work with the wrong facility code
- CIDV4-1528 - The current script state is shown incorrectly
- CIDWUI-1402 - Dark mode fix in autocomplete forms
- CIDWUI-1397 - Dark theme date picker issues
- CIDV4-1473 - Dashboard device state count is not updated
- CIDWUI-1339 - Date picker color problem in dark mode - invisible text
- CIDWUI-1333 - Datepicker reverts to the year 1901
- CIDV4-1476 - The date range picker doesn't apply intervals correctly
- CIDV4-1516 - Delete user picture together with user
- CIDWUI-1399 - Device "Synchronize" selector and counter work incorrectly
- CIDWUI-1380 - Door status depiction bug in "Maps"
- CIDWUI-1394 - Editing door name throws exception
- CIDV4-1506 - Error occurs when trying to remove the device module
- CIDWUI-1405 - Event list loads the user after the switch
- CIDWUI-1393 - FE local storage issue in "Doors"
- CIDV4-1513 - HID Aero and Mercury errors with Australian DST settings
- CIDV4-1541 - HID VertX activation date issue
- CIDWUI-1391 - Holiday details - changes warning dialog without appearing without changes
- CIDWUI-1385 - If setting holidays pass to less than 1 hour, the full day gets set instead after saving
- CIDV4-1527 - Incorrect card data parsing in scan card operation
- CIDV4-1519 - Incorrect DST settings for VertX controllers
- CIDWUI-1381 - Invalid output filters when creating output trigger
- CIDWUI-1351 - Inverted logic for T&A "Use clock in/out readers"
- CIDV4-1520 - Trigger filtering optimizations when more than 50 triggers present
- CIDWUI-1299 - Locale change causes occasional frontend crash
- CIDV4-1514 - Log file download API timezone handling
- CIDWUI-1395 - Missing license expiration date
- CIDV4-1475 - Missing trim in Events PDF report
- CIDWUI-1367 - Mobile ID caching issue

- CIDV4-1542 - Musdo device errors occur in the "Dashboard" tab
- CIDV4-1491 - The operator can generate reports from another location without permissions
- CIDWUI-1346 - Repeatedly generating T&A reports resets date picker to current time
- CIDV4-1505 - Resolve to add discovered modules issue for Suprema devices
- CIDV4-1510 - Schedule is not applied to outputs
- CIDV4-1497 - Scheduled reports "Last execution" is not shown
- CIDV4-1504 - Scheduled reports custom duration is not working
- CIDWUI-1396 - Snackbar color should change according to the operation result
- CIDV4-1531 - Solved "Pending changes" issue for Mercury devices
- CIDWUI-1300 - Suprema group type missing from device "Add" dialog
- CIDWUI-1387 - Switching between available doors fast or with network latency causes an error
- CIDV4-1493 - T&A scheduled report is not generated
- CIDWUI-1388 - Table header text color in dark theme
- CIDWUI-1368 - Unable to add mobile credentials in some cases
- CIDWUI-1350 - Unable to generate T&A report when exit reader was deleted
- CIDV4-1526 - Unused cards list failing
- CIDWUI-1344 - User details "Save" button bug
- CIDV4-1471 - V2000 ignores "Door monitor" input 3
- CIDWUI-1345 - Who is in the date range picker resets after generation
- CIDWUI-1289 - Wrong dark mode color scheme in "Scripts"

CredoID 4.7

> Initially released on **January 7, 2022** as `4.7.0`.
> Hotfix 1 - `4.7.24` was released on January 18th, 2022.
> Hotfix 2 - `4.7.134` was released on March 2nd, 2022.
> Hotfix 3 - `4.7.172` was released on March 29th, 2022.

Hotfix 3 *(4.7.172)*

- CIDV4-1519 - Incorrect DST settings for VertX controllers could cause the wrong event time
- CIDV4-1510 - Schedule is not correctly applied to output control

Hotfix 2 *(4.7.134)*

- CIDWUI-1350 - Unable to generate T&A report when exit reader was deleted
- CIDV4-1492 - T&A report designated clock-in/clock-out reader selection
- CIDWUI-1355 - T&A report checkboxes should be false when creating a new template

- ‣ CIDWUI-1351 - Inverted logic for T&A "Use clock in/out readers"
- ‣ CIDWUI-1345 - Who is in the date range picker resets after generation
- ‣ CIDWUI-1347 - Filter out "Exit buttons" from the T&A reader selection
- ‣ CIDWUI-1346 - Repeatedly generating T&A reports resets date picker to current time
- ‣ CIDWUI-1333 - Datepicker reverts to the year 1901

Hotfix 1 *(4.7.24)*

- ‣ CIDV4-1476 - The date range picker doesn't apply intervals correctly
- ‣ CIDWUI-1299 - Locale change might cause frontend crash
- ‣ CIDV4-789 - Search users by license plate
- ‣ CIDV4-1474 - 35bit card with facility code support
- ‣ CIDV4-1472 - Can't delete access level when device and door are deleted
- ‣ CIDV4-1470 - Fixed memory leak issue in custom user scripts

Release *(4.7.0)*

> ⚠ Make sure you have the latest backup before performing an upgrade from 4.6.0 to the latest version!

> ⚠ "Clock In" and "Clock Out" reader selections in the T&A report will only work with new events after the version update.

> ⚠ Scheduled reports require templates in the reports to be re-created to use them.

FEATURES

- ‣ CIDV4-1339 - ASB Musdo arm/disarm toggle with card swipe
- ‣ CIDWUI-1223 - Access levels multi-select in user bulk edit
- ‣ CIDV4-1354 - Regional/local setting for operator
- ‣ CIDWUI-1221 - Add offline mode option to "Advanced door settings"
- ‣ CIDV4-1372 - Facility code selection in frontend
- ‣ CIDWUI-1230 - Add two additional fields for T&A reports: Exit and Entry readers selection
- ‣ CIDWUI-1247 - T&A clock-in, clock-out readers default selection
- ‣ CIDV4-1391 - Add ability to select clock-in/clock-out doors for T&A report
- ‣ CIDV4-1342 - Facility codes sent to devices
- ‣ CIDWUI-1258 - Add employee no. to "Who is in" report preview
- ‣ CIDV4-1361 - Door access report
- ‣ CIDWUI-1237 - T&A report now has clock-in/clock-out reader selection

- CIDWUI-1206 - Add door search in access level details
- CIDV4-1363 - Event archive report
- CIDV4-1426 - Added Musdo "Trouble" event description
- CIDWUI-1252 - Add additional cleanup settings to the UI

CHANGES

- CIDV4-1420 - DST settings deprecated, now using server locale settings
- CIDWUI-1256 - T&A report filter fields should be the same as everywhere else
- CIDWUI-1275 - Reoder PDF and CSV fields in reports to match frontend
- CIDV4-1353 - Dashboard code review, updated refresh mechanism
- CIDV4-1390 - Updated Aero DLL
- CIDWUI-1216 - Add "Double card" checkbox to door for additional details
- CIDWUI-1222 - In the identification cards component, allow select facility code from the list
- CIDV4-1419 - Remove entry and exit reader ID from "Who is In" CSV report
- CIDV4-1351 - Decoupled cleanup logic
- CIDV4-1414 - Scheduled reports file template variables
- CIDV4-1424 - Update license terms & condition in the installer
- CIDWUI-1255 - Add employee no. in "Events" reports preview
- CIDV4-1421 - Add retention settings for scheduled reports
- CIDV4-1418 - Add employee no. in "Events" reports output
- CIDWUI-1253 - Remove search query field from "Events" and "Door access" report
- CIDWUI-1243 - Datepicker for every report
- CIDWUI-1266 - Default date range (current day) for reports selected when creating a new template
- CIDWUI-1254 - Add user selector field in "Events" report
- CIDV4-1408 - Add assignable elevator API
- CIDV4-1411 - Exit/entry icons for T&A report reader selection
- CIDWUI-1225 - Add updated expiration date in the license information
- CIDWUI-1210 - Daterange picker in "Audit log" and "T&A"
- CIDWUI-1218 - Don't show elevator dropdown indoor details if it's empty
- CIDV4-1365 - Scheduled "Who Is In" report template
- CIDV4-1369 - Scheduled "T&A" report template
- CIDV4-1370 - Scheduled "Events" report template

BUGS

- CIDWUI-1234 - Card Data doesn't generate number and FC in "Users'
- CIDV4-1382 - The Maps background is not loading properly
- CIDV4-1415 - "Who Is In" PDF report shows wrong from: to times

- CIDV4-1340 - Elevator details errors

- CIDWUI-1224 - "Lock" functionality missing in "Doors" with LP1502

- CIDV4-1407 - "Who Is In" report duplicates the same user on multiple entries

- CIDV4-1403 - "Unlock" mode does not light up the green LED on the reader

- CIDV4-1360 - The Installer doesn't check the update period

- CIDV4-1437 - Who Is In report content is not localized

- CIDV4-1445 - Fixed an issue where access levels couldn't be deleted because of deleted device

- CIDV4-1438 - T&A Report throws "Parameter count mismatch"

- CIDV4-1435 - Door access PDF template differs from the rest

- CIDV4-1400 - Multiple "Save" call's during saving

- CIDWUI-1242 - Door access report preview is not working

- CIDWUI-1259 - Real-time event report is broken

- CIDWUI-1272 - Datepicker sets the incorrect time when the current day is selected

- CIDV4-1440 - Real-time "Events" report throws an error

- CIDV4-1344 - APB area update does not trigger device state change to pending

- CIDV4-1386 - User gets access denied - not on schedule

- CIDWUI-1277 - If "Save" resolves in error, the save button stays disabled

- CIDWUI-1276 - Access levels creating elevator ACL without elevator

- CIDWUI-1268 - Elevator dropdown visible even if no elevators are configured in the system

- CIDV4-1432 - Templates for the reports are shared, and should be separate

- CIDV4-1433 - Real-time events are not shown on the event list

- CIDWUI-1265 - Reader(s) not selected after report details retrieval

- CIDWUI-1240 - Door access preview does not show preview

- CIDV4-1380 - Card designer text alignment is not working

- CIDV4-610 - Mercury access granted/denied events don't show module name

- CIDV4-1406 - FILO reports are not working in T&A

- CIDWUI-1231 - Operator locale not set for admin user

- CIDWUI-1232 - Can't update built-in operator locale, can't see values coming from FE

- CIDV4-1350 - Database purge issue

- CIDV4-1377 - Debounce time for card entry doesn't work

- CIDV4-1375 - Add license key whitespace trimming for BE, FE

- CIDV4-1385 - Door access mode is not applied with the schedule

- CIDV4-1379 - Stack overflow fix

- CIDV4-1448 - Refresh device IP in the "Devices" tab

- CIDV4-1449 - VertX NTP issues

- CIDV4-1451 - Exception trying to delete device

- ▸ CIDV4-1412 - Localization-related bug fixes
- ▸ CIDV4-1466 - T&A reports have invalid intervals
- ▸ CIDV4-1450 - Periodic reports: wrong recurrence interval mapping
- ▸ CIDV4-1465 - Paging does not work in Reports/Audit Log when using date range filters
- ▸ CIDWUI-1257 - Wrong time submitted for the archive event report
- ▸ CIDWUI-1236- Pass to event stream call selected location ID (correctly show event stream only in the location it belongs)
- ▸ CIDV4-1452 - Elevator access level missing floors
- ▸ CIDWUI-1239 - Saving script without content causes "silent error"
- ▸ CIDV4-1453 - Fixed an issue where events sometimes went missing

CredoID 4.6

> ℹ️ News release can be found at
> Initially released on **September 9, 2021** as `4.6.0` .

Release *(4.6.0)*

FEATURES

- ▸ CIDWUI-437 - Elevator interface
- ▸ CIDWUI-1174 - Elevator support with HID Aero and Mercury controllers
- ▸ CIDV4-1161 - Admin password reset
- ▸ CIDWUI-1161 - Separated door readers in triggers filters
- ▸ CIDV4-1300 - HID Aero and Mercury door access mode schedule support
- ▸ CIDWUI-1164 - "Advanced settings" in Doors - added door mode and schedule
- ▸ CIDWUI-1165 - Generate a unique 56bit card for QR code printing and use it in the Card Designer template
- ▸ CIDWUI-1171 - Musdo time synchronization
- ▸ CIDV4-1297 - Operator. write permission allows changing password
- ▸ CIDV4-1311 - The listen port for devices can be changed in config.additional.json

CHANGES

- ▸ CIDWUI-879 - "Lock" button removal in Doors for VertX devices
- ▸ CIDWUI-1049 - Save states of all tables
- ▸ CIDV4-1095 - 4 osdp readers per Mercury controller and module
- ▸ CIDV4-1256 - Add elevator abstraction for the base device
- ▸ CIDV4-1259 - Elevator audit logging
- ▸ CIDWUI-1149 - Events table column: icon translation

- CIDWUI-1166 - Door Lock/Unlock disabled if only a single unsupported device selected
- CIDWUI-1167 - Show required employee number field
- CIDWUI-1179 - Linked modules should have the option to clear the link
- CIDWUI-1180 - Elevator details input module selection
- CIDWUI-1181 - Elevator details floor validation
- CIDWUI-1182 - Elevator selection in doors should hide the exit reader
- CIDWUI-1183 - The linkable module list should be retrieved with an API call
- CIDWUI-1184 - X300 module missing dropdown for linking in elevators
- CIDWUI-1187 - Default schedule for access level elevator floors
- CIDWUI-1188 - Add elevator parameter for device retrieval API call
- CIDWUI-1189 - Add confirmation dialog after deleting user credential
- CIDV4-1326 - Fix door deletion when the elevator is assigned
- CIDV4-1327 - Deleted entity links of event list
- CIDV4-1328 - Elevators details starting input default value is 0
- CIDV4-1336 - Sort access level elevator permission floors by floorIndex
- CIDV4-1289 - Elevator licensing
- CIDV4-1290 - Bulk edit for elevators floors in "Access levels"
- CIDWUI-1200 - Elevator access level should not show floors when "IsEnable" = False
- CIDV4-1292 - Door details advanced mode should be hidden when the door has an elevator assigned
- CIDV4-1296 - Elevator details floor list should be refreshed after retrieval
- CIDV4-1298 - Update default refresh token expiration time to 24h
- CIDWUI-1191 - Set elevator first relay default to 0
- CIDV4-1304 - Reader access mode is applied to the elevator door
- CIDV4-1307 - /API/users version field
- CIDWUI-1192 - Add reader 3 and reader 4 for Mercury controllers and modules
- CIDV4-1309 - Disable create and edit modes in maps without maps.write permission
- CIDWUI-1193 - Maps restyle (added legend, changed coloring, and show object current status)
- CIDWUI-1194 - "Show on a map" changes (removed from "Description", eventType is marked with the background if it's linkable)
- CIDWUI-1197 - Removed mat-tab from "Elevators" details
- CIDV4-1319 - Bulk update, location-related issues
- CIDV4-1320 - Replace access level retrieval API method for bulk edit
- CIDWUI-1209 - Access level bulk edit when multiple locations present
- CIDV4-1324 - Door direction mismatch in the filter
- CIDWUI-1205 - Changes to "Device" details (IP and port are read-only for IP client controllers)

BUGS FIXED

- ▸ CIDV4-1286 - Licenser fails to find license
- ▸ CIDV4-1288 - Elevator doors shouldn't be available for APB areas
- ▸ CIDWUI-1173 - Expiration date results "Not in schedule"
- ▸ CIDWUI-1176 - The elevator floor list is wrong after changing the starting relay
- ▸ CIDWUI-1178 - Access level floor list "glitches" when creating a new access level
- ▸ CIDWUI-1185 - Wrong floor count is shown when starting relay changes in elevator details
- ▸ CIDWUI-1186 - Form validation did not correspond to changes
- ▸ CIDWUI-1190 - Missing map background after version update
- ▸ CIDV4-1291 - Elevator details dark mode
- ▸ CIDV4-1293 - Access levels - elevator floor list misaligned
- ▸ CIDV4-1294 - Elevator floor popup in access levels can't be closed by clicking on the overlay
- ▸ CIDV4-1301 - Floor output selection ignored in "Elevators"
- ▸ CIDV4-1303 - Missing "Momentary unlock" event
- ▸ CIDV4-1308 - Trigger filters are global and not bound by the operator
- ▸ CIDV4-1310 - Deleted entities (Doors, Inputs, Outputs, etc.) are not removed from entity containers
- ▸ CIDWUI-1195 - Map object state in details is not updated after leaving the object
- ▸ CIDWUI-1196 - Switching between the elevator and regular door messes up door details
- ▸ CIDV4-1318 - Wrong count floor in "Elevators" table
- ▸ CIDV4-1315 - Implement key case-insensitive comparison in mapping
- ▸ CIDWUI-1202 - Elevator assignable input modules are not showing up in the front
- ▸ CIDV4-1317 - The elevators tab is empty when you switch location
- ▸ CIDWUI-1203 - Elevator list caching issue
- ▸ CIDWUI-1204 - User filters missing edit button
- ▸ CIDWUI-1208 - User is assigned to "Main location" if no location is selected
- ▸ CIDWUI-1212 - Icons misaligned in maps door object
- ▸ CIDV4-1334 - Saving access level appends location name infinitely
- ▸ CIDV4-1335 - All floors selected by default when creating a new elevator

CredoID 4.5

> ℹ️ Initially released on **July 22nd, 2021** as 4 . 5 . 4 .

Minor Release *(4.5.4)*

FEATURES

- CIDV4-1181 - Bulk editor for user fields
- CIDV4-1090 - RBAC system improvement - "Control" permission type added
- CIDWUI-1160 - Add arm and disarm group (area) triggers
- CIDV4-1273 - C# scripting
- CIDV4-1241 - Audit log for bulk user update
- CIDV4-1294 - Add event report PDF file format support
- CIDV4-1290 - Triggers: implement capability to set trigger timeout
- CIDV4-1299 - API calls for MAGVEDA integration
- CIDV4-1288 - Add "Filters" to events export

> ⚠️ Scripting engine will run on `C#` language. `IronPython` is no longer supported.

CHANGES

- CIDWUI-1172 - Add a refresh button to the unused card list
- CIDWUI-1127 - Create an interface for bulk user edit
- CIDV4-1239 - Triggers: event time regional format variable
- CIDWUI-1189 - Pause/resume button with status for periodic imports
- CIDV4-1221 - User(s) selection filter in T&A report

BUGS FIXED

- CIDWUI-1195 - User list refresh after save/update
- CIDV4-1308 - Expiration date results "Not in schedule"
- CIDV4-1280 - "Roles" missing claims translation
- CIDWUI-1185 - Sorting in "Users" doesn't work
- CIDWUI-1152 - The cancel button in the scan card does not cancel the task
- CIDWUI-1187 - Bad employeeNumber validation trigger
- CIDWUI-1188 - On active script change console window does not update
- CIDWUI-1159 - Operator password change error
- CIDWUI-1174 - Scripting - separate console log by scriptID
- CIDV4-1283 - When creating an operator and trying to save a new password returns an error
- CIDV4-1296 - Bulk edit handle for "No location" case
- CIDWUI-1186 - Misaligned table in "Unused cards"
- CIDWUI-1192 - Fixed an issue with the "Forced open" event on VertX devices
- CIDV4-1305 - Unable to save the script
- CIDV4-1302 - AD user access level import behaves incorrectly for append mode

- CIDV4-1287 - Deleted operator can't logoff
- CIDWUI-1177 - Expiration date is not applied in bulk edit
- CIDV4-1291 - Operator with built-in user administrator roles users tab exception
- CIDWUI-1154 - Scan card: door search doesn't work if the keyword is in the middle of the door name
- CIDWUI-1155 - AD import: group binding column titles incorrect order

CredoID 4.4

> Initially released on **May 27th, 2021** as `4.4.0`.
> Hotfix 1 - `4.4.110` was released on **June 30th, 2021**.
> Hotfix 2 - `4.4.177` was released on **July 8th, 2021**.

Hotfix 2 *(4.4.177)*

- Web interface is not accessible from a remote location

Hotfix 1 *(4.4.110)*

- CIDV4-1276 - APB "timeout" setting allows to enter APB zone
- CIDV4-1277 - Map image path is stored as an absolute URL
- CIDWUI-1158 - Door sensor status events when no doors in the map invoke the error
- CIDV4-1275 - Can't assign relay and door sensor to exit reader

Minor Release *(4.4.0)*

FEATURES

- CIDV4-1140 - Assignable Io's
- CIDV4-1230 - Add the ability to replace email content, and subject with event data
- CIDV4-1166 - Scheduled trigger
- CIDV4-814 - OSDP reader tamper messages
- CIDV4-819 - Card scan overwrites/updates existing card information
- CIDV4-654 - Multiple outputs control

CHANGES

- CIDWUI-1129 - Change how we pass parameters for API/users/import/file
- CIDWUI-1148 - Scan card device -> door + search options
- CIDV4-1193 - Scan card selected from doors, not devices
- CIDV4-1269 - Filters: access level locations
- CIDWUI-1102 - Assignable I/O
- CIDWUI-1099 - Devices - sync user multi-selection call for single click action.

- CIDV4-1056 - Active directory user import/sync

- CIDWUI-1136 - Remove the reset button from the settings

- CIDWUI-966 - Expired license message

- CIDV4-1251 - AD: different user attributes handling

- CIDV4-1253 - Active directory binding does not retrieve all attributes for binding

- CIDV4-1184 - Notification amends

- CIDWUI-1084 - Holidays - Add dynamic form controls for dates.

- CIDV4-1261 - Holidays: ignore year if reoccurring date

- CIDWUI-1096 - Empty date values throw "Bad Request"

- CIDWUI-1126 - Doors - advanced settings refactor.

- CIDV4-1234 - Get advanced door settings API call

- CIDV4-1212 - Mercury: OSDP reader online/offline messages missing

- CIDV4-1201 - LED "Custom" template is not applied after reset/power loss

- CIDV4-1250 - Add permission localization

- CIDV4-1177 - Localize binding fields

- CIDV4-1223 - Work on T&A bug that fails report generation

- CIDWUI-1115 - Service restart/update page forward to login

- CIDWUI-1093 - AD import: tooltips for bindings

- CIDV4-1238 - AD import: JSON format for identification

- CIDV4-1011 - Add deleted ID flag to events API

- CIDWUI-1105 - Refresh users after user import in the user's tab

- CIDV4-1242 - Remove "Biometrics" from CSV import bindings

- CIDWUI-1113 - Users: import execution indicator

- CIDV4-1130 - FE: Active directory import licensing

- CIDWUI-1085 - Holidays - Add holiday selection in the schedule component.

- CIDV4-1231 - Fill only culture formatting settings from Windows regional settings

- CIDV4-1191 - Filters: Add filter by schedule support

- CIDV4-1236 - Email trigger action enhancements

- CIDWUI-1101 - Remove/hide holidays selector from built-in schedules

- CIDV4-1207 - Re-enable timezone/schedule filter category

- CIDV4-1137 - Add HTTPs configuration support for our web endpoints

- CIDV4-1237 - AD import: expiration/activation string parse

- CIDWUI-1114 - Periodic event failure event icon

- CIDV4-1192 - Add API for switching logging level, downloading service logs

- CIDWUI-1072 - User import - Add predefined CRON expressions

- CIDV4-1208 - Set to Aero/Mercury forced open flag after device reset/power loss

- CIDV4-1211 - Save card DB with Mercury devices message
- CIDV4-1210 - Import: zip file and CSV file return different import errors
- CIDWUI-1049 - Save states of all tables
- CIDWUI-1092 - Add warning before periodic import save action
- CIDWUI-1090 - User import: periodic import result icon
- CIDV4-1135 - Add employee ID to HTTP request trigger event model
- CIDWUI-1077 - AD import: hide password letters

BUGS FIXED

- CIDWUI-1147 - Event filter: re-selecting filter request is sent with the previous filter
- CIDWUI-1137 - Invalid import loading dialog
- CIDV4-1246 - Doors: unlock mode could fail if the door has an exit button
- CIDV4-1216 - User import: invalid duplicate card found message
- CIDV4-1229 - Mercury MR52 missing outputs
- CIDV4-1164 - Who is in and TA report locale ignored
- CIDWUI-1116 - TA report - result limit is sent to file generation
- CIDV4-1196 - Can't assign user to location(s)
- CIDV4-1218 - Aero Port 2 not working
- CIDV4-1226 - Aero: Reader offline messages with Wiegand readers configuration
- CIDWUI-1108 - Users import: primary key is not sent with file import request
- CIDV4-1215 - Triggers: send HTTP request/email logger issue
- CIDV4-788 - Events filter: filter by module not working
- CIDV4-1206 - LP2500 power reset causes pending changes
- CIDV4-1202 - Event loss when "Suppress forced open alarm" is on
- CIDV4-1200 - LED template is not applied to the "Exit" reader
- CIDV4-1204 - Updated license cannot be activated online
- CIDV4-1205 - Scripting: context functions timeout after 5 sec
- CIDV4-1012 - Licensing: reactivating the license online sets a new expiration date
- CIDV4-610 - Mercury access granted/denied events don't show module name
- CIDV4-1007 - EP1501 with 2 doors configuration synchronization fails

CredoID 4.3

Initially released on **February 24th, 2021** as `4.3.0`.

Hotfix 1 - `4.3.74` was released on **March 19th, 2021**.

Hotfix 2 - `4.3.117` was released on **March 30, 2021**.

Hotfix 2 *(4.3.117)*

- CIDV4-1135 - Add employee ID to HTTP request trigger event model
- CIDV4-1136 - Event export in CSV with the wrong time

Hotfix 1 *(4.3.74)*

CHANGES

- CIDV4-1121 - Aero/Mercury beep on door held/forced open
- CIDV4-1105 - APB adds the ability to add a door with a single reader to the area
- CIDV4-1096 - Increase script execution timeout for database preparer
- CIDV4-1101 - Audit log operator login/logout event
- CIDV4-1098 - Trackable operation timeout for database backup

BUGS FIXED

- CIDWUI-1057 - APB: selecting the same device with reader 2 throws an error
- CIDV4-1125 - X200, X300 battery, and AC fail incorrect events
- CIDV4-1100 - Objects handling to "Main location" after location delete

Minor Release *(4.3.0)*

FEATURES

- Audit log. We have added extensive data to the audit trail, which records all the changes to the system, performed by the operators.
- Hardware anti-passback. APB is supported on both HID and Mercury controllers, at a single controller level, and is subject to limitations of each controller model. Hard, Soft, and Timed APB modes are supported.
- Extensive reader LED and beeper configuration for OSDP (RS485) readers.
- Turnstile and Classroom added indoor operation modes.
- Improved Unused card list and list multi-selection management.
- Codebase migration to .NET 5.0 framework with lots of security and stability improvements.

> ⚠️ `Mercury EP 1501` 1st door strike relay with 2 separate doors configuration will not be released after activation with the latest firmware version `1.291`. Downgrade to `1.27.5` if you want to keep this functionality.

CHANGES

- CIDV4-1070 - Upload enabled card formats to the device instead of hardcoded
- CIDV4-1028 - Double card door mode change feature
- CIDV4-982 - Reader LED configuration
- CIDV4-930 - Add operator logging for necessary API calls

- CIDV4-1018 - Turnstile mode

- CIDWUI-944 - Multi delete at multi-select box lists

- CIDWUI-103 - Add links to the event list

- CIDV4-958 - Possibility to change input type

- CIDV4-623 - Operator log

- CIDWUI-1044 - Unused card list state reset on select

- CIDWUI-1041 - Unused card list delete confirmation snack bar

- CIDV4-1081 - APB delete pending changes status not applied

- CIDWUI-1033 - Make Door bulk actions

- CIDWUI-1040 - Hide the APB menu option if the operator doesn't have a corresponding role

- CIDWUI-855 - Operator password required for any operator update

- CIDV4-1083 - APB locations not applied to APB API calls

- CIDWUI-1025 - Audit log dark theme styling

- CIDV4-1079 - Triggers: HTTP request PUT incorrectly validates headers/parameters

- CIDV4-1069 - Reader ignores led off/off after access grant

- CIDV4-1071 - Add "Door control modes" to translation

- CIDV4-1054 - Add "Claims" to the translation

- CIDV4-1074 - APB area delete fails

- CIDWUI-1018 - Door reader selector - when changing the device, moduleId is not cleared

- CIDWUI-999 - APB door reader selector validation

- CIDWUI-990 - Anti-pass back (APB) implementation

- CIDV4-957 - Anti-pass back (APB) implementation

- CIDV4-878 - Events request timeouts with large DB

- CIDV4-497 - Operator audit log

- CIDWUI-1032 - Access levels - sorting doors by name.

- CIDV4-1046 - Add API call to sync all out-of-sync devices

- CIDV4-1076 - Order AL door list by name

- CIDWUI-1030 - Door - Translate door-led table selector options

- CIDWUI-1029 - Dialog button next to "Double card functionality"

- CIDWUI-1016 - Settings - LED tables

- CIDWUI-1020 - Settings - led tables add headers and remove labels

- CIDV4-1060 - APB area name validation

- CIDWUI-1023 - Led table add colors to selected

- CIDV4-1061 - After synchronizing LED color template is not applied until the first action with the door mode

- CIDV4-1020 - Add APB configuration support to Aero/Mercury controllers

- CIDWUI-1019 - Add double card support checkbox and led table selector to advanced settings

- CIDV4-1024 - Add APB reset button to user tab
- CIDV4-1062 - Mercury double swipe - no event of door mode changes
- CIDV4-1055 - Pending changes not triggered after settings/LED table updates
- CIDV4-780 - Recovery strategy on EventRouter failure
- CIDWUI-1021 - Settings - separate DST settings to a different panel
- CIDWUI-1027 - APB - add reader type
- CIDWUI-1000 - Timed field and door selector changes, add some required validation
- CIDWUI-1024 - Audit log location selector
- CIDV4-1035 - OSDP reader config enabled message
- CIDWUI-1015 - Incorrect event search behavior. After the value is entered it shows an empty list and then the results
- CIDV4-893 - Localize licensing-related error messages
- CIDWUI-1005 - APB door grouping by device
- CIDWUI-1014 - Delete button disable logic
- CIDWUI-998 - Selected APB door settings form
- CIDWUI-996 - Create APB door and reader forms
- CIDWUI-423 - Operator log tab
- CIDV4-951 - Move report generation logic to BE
- CIDV4-952 - Move who is in calculation logic
- CIDWUI-991 - Add menu tab, routing, and create files
- CIDV4-318 - APB database repository
- CIDWUI-1002 - Uniform item panel style
- CIDWUI-1008 - Audit log - refactor data preview according to BE changes
- CIDWUI-995 - Do not show the expansion row when the content is empty
- CIDWUI-1012 - Operator log content line spacing
- CIDWUI-980 - Audit log search and sorting
- CIDV4-1026 - EP1501 fails to sync with 2 doors with exit buttons
- CIDWUI-1007 - APB - built-in area disabled changes.
- CIDWUI-1004 - Filter dialog search filter types
- CIDWUI-818 - Event types and reasons order a filter
- CIDWUI-1001 - Add the "Door force open enable" checkbox to the Door
- CIDV4-1000 - I/O repository refactoring
- CIDV4-998 - Access level repository refactoring
- CIDV4-997 - Door repository refactoring
- CIDV4-996 - Device repository refactoring
- CIDV4-974 - Refactor repositories to mark entities as deleted instead of deleting them completely

- CIDV4-999 - Schedule repository refactoring
- CIDWUI-974 - Create component files with basic implementation
- CIDWUI-948 - TA and WhoIsIn report refactor
- CIDV4-990 - Add totals to pdf TA report
- CIDWUI-981 - Reports: align the "Download" button and "Search" field
- CIDWUI-928 - Settings: card formats order
- CIDWUI-983 - Unused cards: disable "Delete" when there are no selected items
- CIDV4-1006 - User import sync
- CIDWUI-979 - Hide snack bar message when preview is generated
- CIDWUI-982 - Unused cards: space-between "Delete" and "Search"
- CIDWUI-978 - On file type change reset preview data
- CIDV4-953 - Move event report calculation logic
- CIDWUI-971 - Reports: generating report indicator
- CIDWUI-907 - Maps: delete map confirmation
- CIDV4-955 - Enable PDF exporting
- CIDWUI-960 - Refactor main table total count in modules that use pagination
- CIDWUI-934 - Unused card list refactor
- CIDWUI-970 - Reports: Who's in empty name validation
- CIDWUI-425 - Reports tab
- CIDWUI-950 - Report refactor - Who Is in call generate endpoint and download CSV
- CIDWUI-969 - Unused card list table headers and column data not aligned
- CIDWUI-951 - Report refactor - Who Is in parse generated CSV for FE preview
- CIDV4-979 - Add count HTTP requests to all data retrieve calls that use pagination expel. Get Users, Get Unused cards
- CIDWUI-968 - TA company, department, title suggestion with search
- CIDWUI-967 - Event list date localized formatting
- CIDWUI-954 - Report refactor - Time and attendance parse generated CSV for FE preview
- CIDWUI-953 - Report refactor - Time and attendance call generate endpoint and download CSV
- CIDV4-954 - Make use of archive events for report generation
- CIDV4-956 - Enable CSV exporting
- CIDWUI-952 - Report refactor - Time and Attendance code clean and pass required data to service
- CIDV4-989 - Add column order for pdf reports
- CIDV4-988 - Add title column to the archive table
- CIDWUI-961 - Auto save report template on generate
- CIDWUI-957 - Refactor - transfer common report calls to separate service
- CIDV4-577 - New action > Send http request

- CIDWUI-921 - UI for HTTP request trigger action

- CIDWUI-946 - Triggers: HTTP request "Method" required field

- CIDWUI-937 - Menu for HTTP request trigger variables

- CIDWUI-940 - Http triggers - add variables to variable select const

- CIDWUI-936 - Additional settings in "Doors" for input type selection (REX and Door Monitor)

- CIDWUI-489 - Add links to Door, User, Device

- CIDWUI-935 - HTTP request triggers - params and headers validation

- CIDWUI-880 - Refactor device modules detection visual from dialog to spinner

- CIDWUI-919 - Triggers description translation

- CIDV4-949 - HTTP trigger implementation

- CIDV4-964 - After installation incorrect message on failed SQL login

- CIDWUI-917 - Make UI amends related to the unused card list

- CIDWUI-932 - HTTP trigger - create parameters and headers form

- CIDWUI-924 - HTTP trigger - Implement required form controls in the template

- CIDWUI-930 - Delete confirmation in the unused card list

- CIDWUI-923 - HTTP trigger - Create action type selection, models, and interfaces

- CIDV4-961 - Context parameters in URL

- CIDV4-940 - Amend unused card list API call to include new data

- CIDV4-939 - Every device should return card data with access denied event

- CIDV4-938 - Add batch delete unused cards API call

- CIDV4-423 - Response compression in [ASP.NET](#) ☒ Core

- CIDWUI-899 - Show error message when service shutdowns

- CIDWUI-910 - Maps: Musdo input bypass/un bypass buttons

- CIDWUI-459 - Maps improvement

- CIDV4-935 - Maps - Door details button disable logic

- CIDWUI-997 - Events: search loading indicator

BUGS FIXED

- CIDV4-1072 - LP2500 after service restart exception

- CIDV4-1084 - When calling claims from admin - claims OK('apb.read'), when calling from user operator - NOT OK ('apb read')

- CIDV4-963 - HID assigning cards from unused card list doesn't show user details at events if not synchronized

- CIDV4-1082 - Aero: door update fails when changing module

- CIDV4-1030 - Audit log - user location changes not tracked

- CIDWUI-1028 - APB area is blank at selection if the name is not entered

- CIDV4-1059 - Updating APB area issue

- CIDV4-1073 - HID Vertx timed APB events and reset problems
- CIDV4-1036 - Audit log - changing group location not logged
- CIDV4-1066 - Filters updated but not applied
- CIDV4-1010 - After user import, user details are not shown at the access event, when the card reassigned to a different user
- CIDV4-1063 - Audit log - APB area delete name is not shown
- CIDV4-1064 - Audit log - The arming area is logged twice
- CIDV4-1040 - Audit log - trigger updates not logged
- CIDV4-1052 - Audit log - arming at different locations appears at all locations
- CIDV4-1031 - Audit log - unused card list deleted not logged
- CIDWUI-1026 - Cannot create a door with Mercury/Aero
- CIDV4-1045 - APB DB issue
- CIDV4-1037 - Cannot delete Digifort server
- CIDWUI-1022 - Error when trying to add a new door
- CIDV4-1021 - Musdo area cannot be armed
- CIDV4-1038 - Audit log - camera module change not logged
- CIDV4-985 - Incorrect outputs with V1000
- CIDV4-1029 - Audit log - location update not logged
- CIDV4-1033 - Audit log - operator delete not logged
- CIDV4-1042 - Investigate CredoID installer issues
- CIDWUI-1011 - After deleting the device pagination disappears
- CIDWUI-1013 - Generate report produces error for unsaved template
- CIDV4-1039 - Doors of deleted devices cannot be deleted
- CIDV4-1005 - Reports: Who's in exit reader event considered without selection
- CIDWUI-1003 - APB No current selectable area indoor selectors
- CIDV4-1001 - Reports: locations not applied, with a list of templates
- CIDWUI-1010 - APB selected doors not sent to BE
- CIDV4-1023 - Sync error with LP4502, when doors are added
- CIDV4-1019 - Audit log related exception
- CIDWUI-989 - After bulk user delete, the next user take does not match the selected value
- CIDV4-1022 - Exception when adding all event types to the event filter
- CIDV4-1013 - LP1501 synchronization issues
- CIDV4-1016 - Adding schedule and door to event filter error
- CIDV4-1014 - Cannot delete device with existing inputs/outputs
- CIDV4-1017 - Cannot create a location with the same name after deleting
- CIDV4-991 - Don't save facility code

- ▸ CIDWUI-964 - TA report bad <From, to> time
- ▸ CIDWUI-972 - Reports: generating PDF after CSV is not completed on the first time
- ▸ CIDWUI-938 - Total event count is wrong when the "Date" filter is applied
- ▸ CIDV4-994 - Count API call changes
- ▸ CIDV4-1002 - Doors, Inputs, Outputs incorrect Count API with locations
- ▸ CIDWUI-962 - Preview list on PDF generate
- ▸ CIDWUI-965 - Reports: clicking "download" using Firefox connection is lost with the service
- ▸ CIDWUI-959 - Unused card list large count overflow
- ▸ CIDWUI-958 - Unused card list selected all pages selects other records in other pages
- ▸ CIDWUI-955 - Unused card list pages and count not updated after delete
- ▸ CIDV4-968 - Missing exception message in database setup
- ▸ CIDV4-971 - After creating a fresh DB, the first user import fails
- ▸ CIDV4-966 - Unused cards: The last door was not updated after the event with a different door
- ▸ CIDV4-827 - Scripts: script rename doesn't change scripting file directory name
- ▸ CIDV4-973 - Doors: one door with 2 different controllers unable to sync
- ▸ CIDV4-977 - Mercury MR52: after creating 2 outputs, MR52 module becomes unavailable
- ▸ CIDV4-962 - Unused card list incorrect time
- ▸ CIDWUI-943 - Door - door delete button disabled when only the checkbox selected
- ▸ CIDWUI-933 - Timed output activated from the map doesn't turn off
- ▸ CIDWUI-929 - Artifact in device discover tab
- ▸ CIDV4-970 - Mercury synchronization fails when configuration contains doors and inputs at the same time
- ▸ CIDWUI-927 - Event PDF report generated incorrectly when the door is NULL
- ▸ CIDWUI-833 - Create button disabled, after saving the report with a name that already exists
- ▸ CIDWUI-931 - Cannot delete single card generated with access denied event from unused cards list
- ▸ CIDWUI-918 - Print user card button static size
- ▸ CIDWUI-909 - Access levels - expansion door list duplicates
- ▸ CIDWUI-908 - Darktheme events, datetime selector selected day invisible
- ▸ CIDWUI-911 - Bad URL for user export card in production

CredoID 4.2

ℹ Initially released on **December 2nd, 2020** as `4.2.0`.

Minor Release *(4.2.0)*

⚠ After updating to CredoID `4.2.0`, the SQL database will be no longer compatible with older CredoID versions. Create a backup with the current version of CredoID software before updating it to `4.2.0`. How to create a backup can be found here: https://docs.credoid.com/display/CV4/Settings

⚠ CredoID `4.2.0` will require one-time existing license re-activation.

ⓘ Some libraries may be no longer supported by the `IronPython` engine used in CredoID scripting. If you are using custom scripts, please check whether they have been affected by this change.

✔ The service code base has moved from `.NET Core 2` to `.NET Core 3.1`.

FEATURES

▸ CIDWUI-821 - T&A template saves FILO settings

▸ CIDV4-867 - Implement v100 output control

▸ CIDWUI-873 - Device configuration and device state Icons

▸ CIDWUI-904 - "Show on a map" can be opened in a new window

▸ CIDV4-863 - API call: is database new

▸ CIDV4-922 - Add endpoint for mercury firmware updates

▸ CIDV4-886 - Tampers, battery, and AC failure in "Devices"

▸ CIDV4-544 - Trigger action: activate output

▸ CIDV4-906 - Add to device specification info about acFail, power, and battery

▸ CIDV4-504 - User import improvement

▸ CIDWUI-860 - Multi-select actions for users

▸ CIDV4-907 - Add missing swagger comments

▸ CIDV4-879 - NPT settings for VertX devices

▸ CIDWUI-813 - "Pending changes" message in snackbar

▸ CIDWUI-816 - Show pending device count in pending changes message

▸ CIDWUI-815 - Pending changes message - link to device list

▸ CIDWUI-793 - Door lock statuses

▸ CIDV4-645 - Make an API call to delete the map image

▸ CIDWUI-417 - Direct control action from map

▸ CIDWUI-428 - Direct control action - camera live view (DigiFort)

- CIDWUI-806 - Maps - add a lightbox to the camera stream
- CIDWUI-803 - Live view from the camera in "Cameras" (DigiFort)
- CIDWUI-784 - Profile picture crop to match mobile and report aspect ratio
- CIDWUI-795 - System events handling for door access mode

CHANGES

- CIDWUI-879 - "Lock" button removal in Doors for VertX devices
- CIDV4-780 - Recovery strategy on EventRouter failure
- CIDWUI-730 - Import settings at "Settings/General/Import"
- CIDV4-899 - Automatically add value for "Eligible for updates (day(s))"
- CIDV4-895 - Add more searchable fields
- CIDV4-889 - Licensing for triggers
- CIDV4-791 - Licensing for mobile readers
- CIDWUI-817 - Invalid card data message
- CIDWUI-864 - Triggers and mobile readers count at license
- CIDWUI-846 - Long user titles handling
- CIDWUI-799 - Revert TA report multi-select infinite scroll changes
- CIDWUI-886 - Settings pin length input description is incorrect
- CIDWUI-898 - Doors offline state not shown in "Maps"
- CIDWUI-876 - Devices - hide extend button for Musdo, Digifort, Mobile device
- CIDV4-813 - HID: EventMsg config file - rs 485 execution time update on synchronize
- CIDV4-762 - Ep1501 on "momentary unlock" add door lock system event message
- CIDWUI-852 - Operator password pattern check
- CIDWUI-897 - Bring back "Show on a map" in the "Events" description
- CIDWUI-900 - Hide "Extended access" columns in "Doors"
- CIDV4-494 - Camera detection finish system event
- CIDWUI-890 - Filters: change filters logic according to new role claim
- CIDV4-661 - Not handled case if DB connection lost when the login was already successful
- CIDV4-935 - Maps - Door details button disable logic
- CIDV4-933 - Ensure that the user profile image fetch has CORS headers
- CIDWUI-785 - Implement DoorAlwaysLocked and DoorAlwaysUnlocked and DoorDefault event states
- CIDWUI-892 - "Lock" button removal in Maps for VertX devices
- CIDV4-919 - Mercury module states after communication restore
- CIDWUI-893 - Hide "Extended access" input field
- CIDV4-693 - Filters: The operator with the read role has full access to filter options
- CIDWUI-393 - Unused cards: delete option

- CIDV4-875 - Wrong "Time" in exported events csv
- CIDV4-885 - Move scp/aero debug files to the logs folder
- CIDV4-761 - DigiFort image compression
- CIDWUI-875 - Maps-refactor gets cameras and camera stream calls.
- CIDV4-755 - Output schedule with Mercury/Aero
- CIDV4-679 - Cameras: no license limit reached message
- CIDV4-881 - Events: Search by description
- CIDV4-890 - Add Cameras call in MAPS
- CIDV4-916 - Find correct HID tamper, battery, and AC failure inputs N/C values
- CIDWUI-830 - CredoID main table refactor
- CIDV4-743 - Users: email validation mail@host
- CIDV4-558 - Generate the JWT signature key for each new installation
- CIDWUI-848 - Devices expansion component with module list
- CIDV4-870 - Error message when wrong CSV delimiter is used for the import operation
- CIDV4-873 - Update swagger to show description fields
- CIDV4-910 - Allow to delete multiple users
- CIDWUI-869 - Show / Hide device expansion columns by specification
- CIDWUI-859 - Implement device list extend module statuses call
- CIDWUI-865 - Devices list extension - add subscription to live events
- CIDWUI-868 - Pending changes not updated if the device goes offline
- CIDWUI-866 - Make filter row hide/show on button click
- CIDV4-831 - User import refactoring
- CIDWUI-861 - Center empty screen messages in T&A and Who's In reports
- CIDV4-797 - Mobile: after losing connection, the device offline timeout too long
- CIDWUI-837 - Sortable and not sortable headers logic
- CIDWUI-851 - Remove list expansion highlight.
- CIDV4-857 - Increase "User Title" length to 150 characters
- CIDWUI-826 - Implement data retrieved by pages
- CIDWUI-827 - Implement items per page selector
- CIDWUI-789 - Event list in PDF
- CIDWUI-819 - Handle operator without devices.read claim and "Pending changes" snack bar
- CIDV4-869 - Localize EventTypes and Event Reasons in "Filters"
- CIDWUI-807 - Snackbar refactoring
- CIDV4-643 - DB connection API call
- CIDWUI-794 - User card in PDF

- CIDWUI-810 - ROLES - when checking .write read should be selected and when unchecking read write also should be unchecked
- CIDV4-418 - Employee number and filter existing check
- CIDWUI-805 - Camera switch loading indicator
- CIDWUI-804 - Change "Area armed" colors
- CIDWUI-782 - T&A - interval calculation changes
- CIDWUI-743 - Report templates
- CIDV4-860 - Remove unsupported locked functionality from OPIN series devices
- CIDV4-858 - (B)locked and unblocked system events
- CIDWUI-800 - Add reason column to Event list
- CIDWUI-786 - User list in PDF
- CIDWUI-787 - Access level list in PDF
- CIDWUI-91 - Access levels: assign a schedule to multiple doors
- CIDWUI-788 - Device list in PDF
- CIDWUI-783 - Access levels: disable schedule selectors when checkboxes are empty
- CIDWUI-781 - Add Lock/Unlock/Default to the door control

BUGS FIXED

- CIDWUI-906 - Wrong user profile image selection menu size
- CIDV4-695 - Operator: settings role write cannot create a backup
- CIDWUI-796 - User export - Activation and expiration date formatting
- CIDV4-846 - Double to Hex exception
- CIDV4-912 - Fix event registration logic
- CIDWUI-829 - Fix primeNG table responsive height problem
- CIDWUI-895 - Not generating PDF for user card when there is a profile image
- CIDWUI-889 - Arm/Disarm area payload is incorrect
- CIDWUI-811 - Workflow after DB reset/restore
- CIDWUI-867 - HID adding pin longer than 8 chars and sync - full upload error
- CIDWUI-884 - Delete button enabled on built-in list items
- CIDWUI-887 - Musdo device cannot be deleted
- CIDWUI-882 - Fix Access level expandable show logic
- CIDWUI-874 - Users list not refreshed after multi - delete all
- CIDWUI-877 - Wrong event type selected during filter creation when generating report TA and WhoIsIn
- CIDWUI-903 - Cannot delete a single user without selecting the checkbox
- CIDV4-862 - Cannot backup large DB
- CIDV4-861 - 37 H10302 card format error not generating event
- CIDV4-828 - "system-status-check" reports "isDatabaseReady: false" incorrectly

- CIDV4-868 - Maps: operator with map.write can't control commands like unlock, arm, etc
- CIDWUI-458 - The door icon state is not changed when controlled from the map
- CIDV4-808 - Backup: on name with special characters failure no information to the user
- CIDV4-856 - Deleted user with PIN code is not removed from DB and sent with IdentDB
- CIDV4-850 - Stop service start loop when no connection to DB after a run
- CIDWUI-847 - Device Action column bad position
- CIDWUI-840 - Multi-select row checkbox cannot be selected
- CIDV4-344 - Hid event history missing
- CIDWUI-835 - Fix search issue - not working
- CIDWUI-896 - Bulk user delete is not working properly
- CIDV4-880 - Reassign reader 1 from single door to 2 door configuration generates incorrect door monitor event
- CIDV4-921 - HID VertX "Unlock" is not working
- CIDV4-796 - x100 pin not unlocking the door if door schedule is assigned
- CIDV4-818 - When setup two doors for EP1501, momentary unlock not working
- CIDV4-914 - HID sets incorrect tamper, battery, and AC fail values
- CIDV4-918 - Mercury no states and events from inputs
- CIDV4-614 - Triggers: send email - error when sending to multiple users
- CIDV4-671 - Roles: system admin can be deleted via API
- CIDV4-751 - Fixed user profile image import when the user is deleted from GUI
- CIDV4-690 - Users import: import file with profile images is not imported
- CIDV4-872 - Scheduled outputs not working
- CIDV4-672 - Operator role: read map
- CIDV4-704 - Database reset: cant reset if the script is running
- CIDV4-909 - Implement Mercury internal tamper status as recommended Mercury support team
- CIDWUI-870 - Door lock icon changes row height
- CIDV4-733 - Wrong ID is sent to trigger script
- CIDV4-903 - Dashboard: adding an Aero device doesn't change the device count
- CIDV4-905 - Clean up users not working
- CIDV4-871 - Triggers ignore selected access levels
- CIDV4-859 - Apply door schedule when returned to "Default state"
- CIDV4-901 - When using "Delete and create new license" new fields missing in the new license
- CIDV4-864 - Aero: double Lock closed event after access grant with closing the door
- CIDWUI-850 - No items in the list colSpan problem
- CIDWUI-842 - Device discover list selected item visual problems
- CIDWUI-843 - Search takes default lowest items per page value

- CIDV4-883 - Events from mobile app shown incorrectly
- CIDV4-877 - Updating the user with images creates duplicates in the userImages table
- CIDWUI-853 - Requests are made with take 0 on switching the the same tab
- CIDWUI-809 - Current password is also required
- CIDWUI-841 - Table refactor restyling + black theme
- CIDWUI-836 - Columns reorder when there are hidden columns not working
- CIDWUI-834 - Pending changes not updated after device delete
- CIDWUI-92 - Devices: console error on creating a new device
- CIDV4-866 - 2 different outputs on V1000
- CIDWUI-822 - Multiple clicks on the "Save" template cause duplicates
- CIDWUI-820 - Logout/Login creates additional "Pending changes" snack bars
- CIDV4-653 - Mercury: timed output problems
- CIDV4-865 - Cannot create input/output with Mercury device
- CIDV4-770 - Doors: create multiple doors over API requests in a very short time surpassing the license limit
- CIDV4-804 - HID: Door momentary unlock overrides door unlock schedule
- CIDV4-855 - Restore backup not working
- CIDV4-854 - Backup created without SQL bak file
- CIDV4-852 - Cannot detect Mercury device modules
- CIDWUI-798 - User export - Error if Company, Department, or Title is not selected
- CIDWUI-797 - User export - error when no image is selected
- CIDWUI-751 - Details window is not shown correctly when window is small
- CIDWUI-773 - Total time trailing zero in interval report