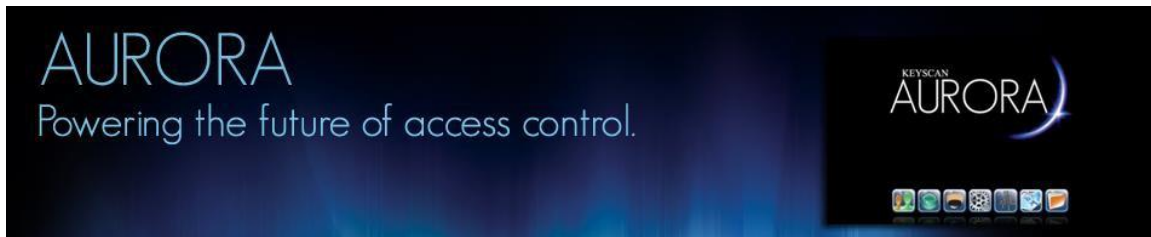


Aurora Client – 1.0.16.0

- Added support for Keyscan Mobile Credentials.
- Added support for E-Plex standalone locks.
- Added a new user preference to “automatically enroll credentials to all person’s sites”.
- Added ability for the user to search for people and credentials in the Transaction Report if the user does not have the permission to view people and/or credentials but has Run Report permission.
- Added ability to get any saved credentials for the Transaction Report.
- Added check to ensure that an Administrator user cannot add, delete or change Master users.
- Added cleanup of the image links that weren’t removed on deletion of images.
- Added cleanup of deleted banks that did not delete the readers.
- Added image for use if landscape oriented image cannot be loaded.
- Added KONE elevator to update server packages when bulk deleting and bulk updating the people and credentials.
- Added KONE elevator to update server packages when creating, updating or deleting the person through the AD Agent.
- Added KONE elevator to update server packages when creating, updating or deleting the people and credentials.
- Added KONE elevator to update server packages when importing people.
- Added KONE elevator when checking if any of the panels contain firmware with high group issue.
- Added KONE elevator when setting credential number values per site used for Kaba Integrated Mode.
- Added permission checking when deleting a user.
- Added removal of credential settings by site and credential groups when deleting the credential.
- Added removal of optional fields, person and credential settings by site and credential groups when deleting the person.
- Added removal of person’s images if the person is deleted during the purge.
- Added removal of transaction report filters if the site, hardware, people, credential or optional fields are deleted.
- Added search by person name when searching for credentials in the Transaction Report.
- Added updating server packages when deleting person and credential.
- Added visitor list report to visit report (with ability to include common optional field). This report can be exported as csv file.
- Added a warning message if no group is selected when adding or removing the group access. Update will not proceed.
- Added the Bulk Printing feature to the Aurora desktop application.
- Added the ability to enable/disable rendering of checksums while configuring barcodes for card templates to prevent problems with barcode types that cannot support checksums.
- Added context sensitive help regarding card templates to the Aurora Card Template screen.
- Added support for site optional field values to be used as values for barcodes when setting up barcodes in the Card Template Editor.
- Added a warning message when printing site card templates when the user has not selected a site to use with the template.
- Added validation check of reduced photo sizes in Application Utilities before saving.
- Added person's active/inactive status to Person Reader Access Report.



- Added person and credential styling depending on active/inactive status to Credential Active or Expired Report.
- Added tool tip for headings in DOP tab in KONE Global Mask Setup.
- Corrected concurrency error when saving a new ACU.
- Corrected an issue when displaying maps, would not show scroll bars if more maps than what would fit on screen. (Was to be in 1.0.15.0).
- Corrected an issue in the Schedule Assignment screen that would crash the application upon refreshing the screen if a bank was removed by another user.
- Corrected an issue that failed to show current data after moving an ECU from one elevator bank to another if the bank it was being moved to was deleted.
- Corrected an issue that failed to show current information about banks and the panels assigned to it when the user attempted to move an ECU to another bank that was deleted.
- Corrected an issue in the Present 3 page that failed to properly refresh the controls displayed on the screen in the case when a user was viewing a panel that was deleted by another user.
- Corrected an issue that failed to display context sensitive help for credential number fields on the Edit/View Person Screen.
- Corrected an issue in the common credential validation that would occasionally crash when validating non-entered values.
- Corrected an issue in event settings view filter when changing the site (clearing of priority and sound).
- Corrected an issue in Group Access Report when selected optional field is assigned to multiple sites.
- Corrected an issue of active directory failing to update credentials if number of credentials is over the parameter limit.
- Corrected an issue of AD deletion not deleting the person if AD user has been deleted.
- Corrected an issue of bulk update deletion of credentials if over parameter limit.
- Corrected an issue of bulk updating credentials if number of credentials is over parameter limit.
- Corrected an issue of duplicate site and time zones being created as transaction report filter.
- Corrected an issue of saving the person if number of credentials is over the parameter limit.
- Corrected an issue of the user name not being set for non-AD user in software connections.
- Corrected an issue when searching for the people by last update date.
- Corrected an issue when updating E-Plex door device status.
- Corrected an issue when expanding the details in the user search screen (If the user is a Keyscan user, the user's working sites will be displayed, not the sites the user is enrolled in, If the user is an AD user, Aurora will crash).
- Corrected an issue in rejecting changes to newly added sites that would cause the Aurora application to crash.
- Corrected an issue that failed to display context sensitive help for credential number fields on the Edit/View Person Screen.
- Corrected an issue that would cause the application to crash if the user attempted to save changes to hardware that had been deleted by another user.
- Corrected an issue in the common credential validation that would occasionally crash when validating non-entered values.
- Corrected an issue in the Schedule Assignment screen that would crash the application upon refreshing the screen if a bank was removed by another user.



- Corrected an issue in the Hide Barcode Text option while configuring barcodes for card templates that would incorrectly always apply true for this option regardless of what the user provided.
- Corrected an issue in printing credentials that failed to hide the image placeholder if the owner of the credential doesn't have a photo to print.
- Corrected an issue in printing credentials that would print a barcode when there was no optional field value for the person during printing.
- Corrected an issue in the card template editor that failed to remove background elements (like barcode elements) template upon switching the card template type.
- Corrected an issue where E-Plex 7900 P3 group range was not displaying correct validation error message when P3 was being used and no groups were selected.
- Corrected an issue where E-Plex capacity check was corrected when checking with mixed bag of locks types.
- Corrected localization for transaction Temporary Card Cancel Failed.
- Corrected a problem that cleared the password fields on the user page when a new user was added, the back button was clicked and "save changes" was indicated as the action to take.
- Corrected H10304 Hex issue (Empty string being set for E-Plex Hex value).
- Corrected issue where PIN was being validated to the site when assigned to a site.
- Corrected an issue when exporting people if not all site optional fields are selected for export.
- Corrected an issue saving E-Plex Group Range.
- Corrected issues when saving the user if password and re-enter password are not entered (duplicate error message, Aurora would crash).
- Corrected issue when saving E-Plex credentials during validation of a user type.
- Corrected issue when saving Transaction Report if Last number of dates is entered and deleted and Date Settings changed to Date range or One day.
- Corrected a problem accessing sites that users are enrolled in after adding a new site.
- Changed the process of saving default device images to prevent the user from making this change if the device was deleted by another user.
- Changed the process of saving hardware so that it prevents saving if the parent panel of that the hardware being updated was deleted.
- Changed the process of saving Present 3 settings so that the user is prevented from making changes if the device was deleted by another user.
- Changed default image for hardware.
- Changed the default image used for sites.
- Changed deletion of database backups to ensure that database backups would be deleted if the agent is on different machine than the database.
- Changed searching of the contacts in response instruction to not be limited to working site.
- Changed system transaction description to correspond to actual deletion days (2 days, not a week) when purging all E-Plex operations.
- Changed the Bulk Update Page to show controls for applying changes to types according to the action that the user selects and corrected tooltip messages so that they display useful information.
- Changed error message when exporting and making the transaction report if required parameters are missing.
- Modified the E-Plex lockdown will change lock status to locked. When lockdown is over, the locks will be asked their status.
- Modified the E-Plex Operations will be removed from database when lock is deleted.
- Modified the E-Plex Operations status widget to have the ability to delete Operations.



- Modified the E-Plex Door status to show if the lock is 'Out of Service'.
- Modified the E-Plex doors so they cannot be deleted if assigned to a gateway.
- Modified the status screens to auto select only site. User will have to select if more than 1 site is found.
- Modified the Door Groups so they cannot be deleted if they have a E-Plex door assigned to a gateway.
- Modified when the User is asked to confirm putting E-Plex lock out of service.
- Modified the Person screen so that the user interface card validation uses common validation rules across all Aurora products.
- Modified the Person screen so that the user interface's card validation uses common validation rules across all Aurora products.
- Moving an ECU from one bank to another bank is now prevented if one of the banks or the ECU was deleted by another user.
- Improved performance of bulk update deletion of credentials.
- Improved performance of searching for the people if searching by site and credential settings by site, groups or optional fields.
- Improved the speed of loading all screens that contained controls that allow users to select schedules for systems with many schedules in them.
- Improvements were made to saving devices so that unnecessary operations are not performed if the devices were not modified.
- Removed transaction type Door Contact.

Aurora SDK

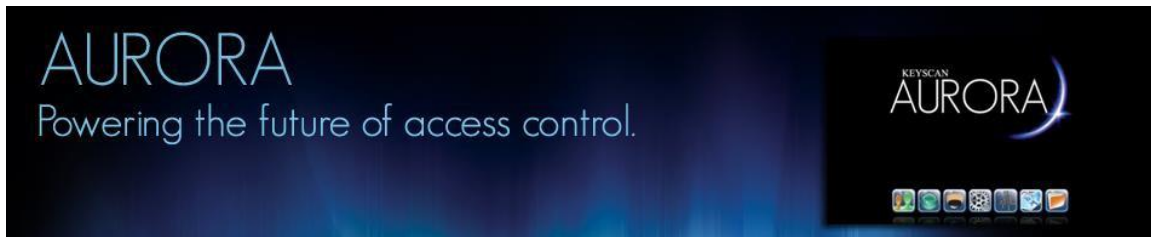
- Added the GeneratePIN method to the AuroraCredential class.
- Corrected a problem in the AuroraPersonSearchCriteria's LastUpdatedStartDate and LastUpdatedEndDate that returned incorrect results because regional time zones were not used correctly when searching.
- Corrected a problem that incorrectly threw a security exception about not being permitted to view people when searching for people if a person in a previous search result had loaded enrolled sites information.
- Corrected a problem in AuroraTransaction's AccessControlUnit and Type properties that failed to accommodate DBNulls.
- Improved the time it takes to retrieve AuroraPerson instances using the FindPeople method

Aurora Migration Tool

- Added a system log entry after the migration has completed.
- Added a close button when migration is finished.
- Corrected an issue with multiple sites with elevator banks.
- Changed the Migration Tool to display a message and closes the application when out of date with the database.
- Modified running of migration to Master users.
- Modified the Next and Previous buttons to only be display when usable.

Aurora Web Client

- Corrected a problem that would occasionally show that an error had occurred on the server when a user accesses the Person or Credential screen after another user had accessed a Person or Credential screen and logged out.
- Modified the E-Plex door status screen to show when a door is out of service.



- Changed E-Plex Door Status so that commands for syncing doors are no longer displayed for user that are not Masters or Administrators.

Aurora Communications

- Modified the transaction display when in mixed mode of Keyscan & Kaba UID credentials.
- Modified how we process transaction date formatting.
- Corrected issue when communications was run from a remote computer and would not connect to database (1.0.16.1).

Aurora Agent

- Added daily purge of old E-Plex operations.

Aurora KONE Communications

- Access Control Unit Status widget will display pending package text for KONE Global Connected Mask and KONE Global Disconnected Mask instead of blank text.