ZAMS Release Notes

Version 21.3 November 9, 2021

Contents

Introduction 1
Version scheme 2
Target Environments 3
Change Highlights (v21.3.0) 3
Documentation 4
AMS Server (v3.0.5) 4
Cabinet Kiosk AMS (Core v1.0.7 and UI v1.0.2) 5
Device AMS (v2.1.55) 6
Known Constraints and Workarounds 6
Important Links 6
Addendum – Previous Release History 7
Change Highlights (v21.2.0) 7
Document Revision History 9

Introduction

This document outlines the new features and changes since last release Zebra Access Management System (ZAMS) software.

ZAMS software is comprised of 3 elements that are recommended to be installed at the same time. Although various combinations of the software elements may work without issue, release validation and support is limited to the underlying version configurations noted.

ZAMS Software elements contain:

1. **Mobile Device application and services**: provides the lock screen UI and services for the android based mobile devices.

2. **Kiosk application and services:** provides on-site device management, UI and provides information to cloud based console. The Kiosk application is designed for Zebra's CC6000 device.
3. **Cloud resident console**: Web portal that provides various administration level tasks and reports. The server access location is https://zams.zebra.com/

The following is an explanation of the files distributed in this release.

ZAMS SW release components

Item	Area	Description
AMS Server (URL) https://zams.zebra.com/	Portal	ZAMS (cloud) Portal
AMS Core APK	Kiosk	Core services APK for CC6000 to operate AMS
AMS UI .APK	Kiosk	UI APK for CC6000 user interface
AMS Device APK	Mobile Device	APK for mobile devices in AMS application
dwprofile_AmsDevice.db	Mobile Device	DataWedge profile for AMS application device registration
dwprofile_amsPin.db	Mobile Device	DataWedge profile for AMS application PIN scanning
ZamsAutoInstall.zip	Kiosk and Mobile Device	Supporting files and documentation used to automate installation or deploy via EMM and set permissions that may not exposed via the OS UI.

Version scheme

As a part of continual development and maintenance, it is highly recommended scheduled installation updates are planned for. Currently AMS releases major updates on a quarterly basis.

The versioning scheme for ZAMS software documentation is as follows:

<yy>.<pi>.<rel#> <suffixes> where

- **<yy>** is the 2-digit year of release

- **<pi>** is the major product increment number of the release. Typically, there are 4 major incremental releases to correspond to 4 quarterly scheduled releases.
- **<rel#>** is the incremental release number since last product increment. This number is updated to note a change to collection of release elements.
- **<suffixes>** are optional text characters used to denote a branched set of changes from a baseline release. It is typically used to denote hot fixes or custom changes of a release

Target Environments

ZAMS supports the following target environments

Mobile Devices

- All Zebra GMS and Non-GMS Android M devices and later
- Non-Zebra Android devices Android M and later but limited to not include
  - Vendor specific scanning or API support
  - OEM specific OS restrictions (e.g., serial number and permissions setting access)
- Exceptions
  - Mobile devices with external power packs. Support on a case-by-case basis.

Kiosk

  - CC6000 (Android O+)

Portal UI

- Chrome desktop version 9 or later

Change Highlights (v21.3.0)

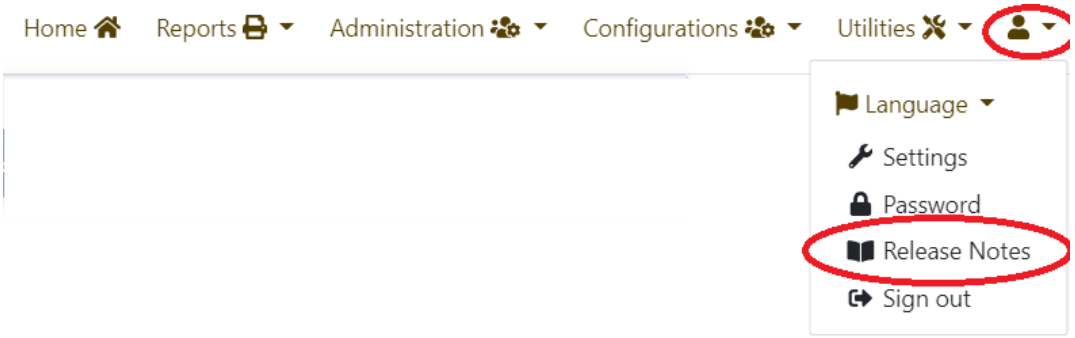
This is a regularly scheduled Product Increment (PI) release.

Updates in this release

- Documentation
- AMS Server (change to v3.0.5)
- Kiosk AMS (Core v1.0.7 and UI v1.0.2)
- Device AMS (v2.1.55)

Documentation

- Server release notes and change history is now posted on the Server itself. Accessible via menu options below.



AMS Server (v3.0.5)

New Features

1. Home page now supports a notification banner to let users know of maintenance related changes (e.g., planned updates or recent updates).
2. New Security Role "Site Admin" has been added to the portal with the following privileges
   - A Site_Admin will have valid credentials to access to the ZAMS Portal.
   - Site Admin will have limited role in terms of accessing the relevant company data. Site Admin will have access to the following:
     - A Site Admin will have access to the Dashboard where he/she can only view stats of his/her site and cabinets registered to that site.
     - Site Admin can Register Kiosk with valid credentials.
     - Site Admin also has Device User Login Credentials in addition to being a Site Admin. Therefore, additional user fields are needed when creating the user.
     - Site Admin can create Notification Configuration (Email Alerts) for the relevant site.
     - Site Admin can generate reports for his particular site only.
     - Site Admin have Read only access to the following:
       - Admin Users (User Management)
       - Admin Company – Read Only.
     - Site Admin has access at site level for the following:
       - Administration > Site Authority to Create and Edit a site.
       - Site Admin has authority to create new cabinets. View and Edit access for Corresponding Cabinet/s for the site.
       - Cabinet Devices for the site.
       - generate Master QR code from Utilities Menu if needed.

3. New Security Role “Company User“ has been added.
   - A Company User will have valid credentials to access to the ZAMS Portal.
   - A Company User full access to generate and export Reports in addition to having access to generate Master QR code.
   - A Company User will have Read Only access to the following:
     - Dashboard
     - Administration > User Management
     - Administration > Site
     - Administration > Cabinet
     - Administration > Cabinet Device

4. Export Historical Report to CSV

Historical Reports can now be exported to CSV format in addition to PDF format. As stated above Company Admin and Company User will be able to generate and Export Historical reports to CSV in addition to PDF format. On contrary Site Admin will be able to generate and Export Historical Reports only for the relevant Site.

5. Bulk User Export

A Button with label “Export All Users” has been introduced under Administration > User Management. Just by click of a button all the existing users of the company can be exported to a CSV file using this newly introduced feature.

6. Bulk Delete Users

This new feature allows the Company Admin to delete Multiple User by selecting a check box which is placed to the has been added to the left side of the Username under the list Administration > User Management. The Company Admin can either select Multiple users from the list of user displayed and press delete to perform the function or select all user visible on the screen is also available if the Company Admin intends to delete all users visible on the screen.

Bugs Fixed

- Corrected a Status Mismatch issue. If the cabinet was registered and later synced with later APKs without perfuming a full uninstall and re-insall of the APKs, there was status mismatch.

Cabinet Kiosk AMS (Core v1.0.7 and UI v1.0.2)

See previous release history section in this document for changes made from last posted release.

New Feature

The Kiosk will accept credentials of Site Admin in addition to the credentials of Company Admin at the time of setting up a Cabinet.

- The Site Admin can only setup a Cabinet which he/she is authorized for a particular site.

Device AMS (v2.1.55)

See previous release history section in this document for changes made from last posted release.

Changes

1. ZAMS will now log off the user after 10 seconds of being placed in the cradle. Previously it was 1 minute
2. Brightness is set to max while unlocking the cradle even when adaptive brightness is enabled. Brightness setting is restored after the unlock.
3. Moved position of cradle lock flash pattern shown on the UI to extend vertically downward by about 5mm to cover more of the screen when it appears.

Known Constraints and Workarounds

1. BT proximity range could be seen as inconsistent due to several factors including device limitations, BLE poll rates and RF environmental influences. Devices need to be placed within environment specific acceptable ranges to obtain consistency. It is recommended to verify proximity consistency during installation.
2. Support of external chargers requires the use of BT proximity to avoid untended lockout when device is place into the external charger.
3. TC51 UV Trace integration on Android M is not supported. UV Trace is targeted for Android O and later
4. Using older versions of the APK(s) will not support the new user admin role types added to the v3.0.5 of the portal.

Important Links

- Zebra Techdocs - Zebra community support
- Developer Tools - Zebra Developer support
- Partner Portal – Zebra Partner news and other support
- Intelligent Cabinet Support and downloads – Zebra support and downloads

Addendum – Previous Release History

Change Highlights (v21.2.0)

This is a regularly scheduled Product Increment (PI) release. **Updates in this release**

- Documentation
- AMS Server (change to v2.0.14)
- Kiosk AMS (Core v0.0.47 and UI v0.0.43)
- Device AMS (v2.1.51)

Documentation

- Revamped product version scheme to better algin with incremental based release practices
- Creation of ZamsInstall.zip to provide supplemental information needed for automated installation and EMM based deployments

AMS Server (v2.0.14)

- Server was release prior to APK postings. See previous release history section in this document.
- Server updates will list portal changes on the portal itself after this release.

Cabinet Kiosk AMS (Core v0.0.47 and UI v0.0.43)

See previous release history section in this document for changes made from last posted release.

Issues Fixed

- At the time of installation issue fixed related to updating AMS Core and AMS UI from previous version.
- One user login on two cabinets within one minute issue (Repro steps > Login on device 1 on cabinet A > Login on device 2 on cabinet B Wait for two minutes and login with same pin on cabinet A Device 1).
- Invalid toast message appearing on UI screen while setting up New Cabinet, Synchronizing cabinet.

- Progress bar stuck when Synchronizing cabinet if any of the device status is not valid (null pointer exception).
- “About Cabinet” on CC6000 not showing any data after rebooting CC6000 when WIFI is disabled and enabled after few minutes.

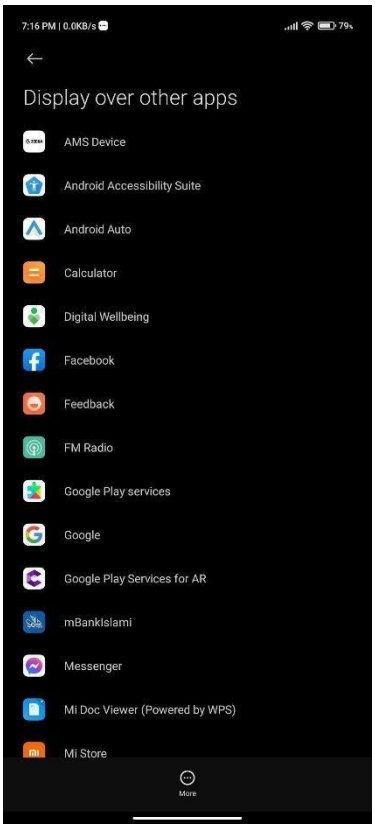
Changes:

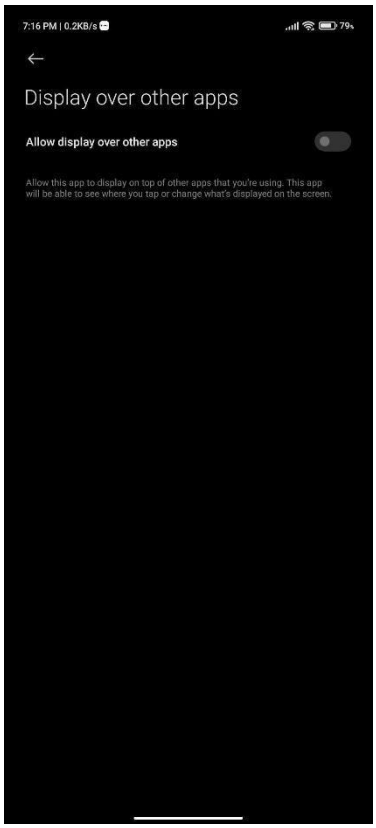
- When WIFI is connected but server is not reachable then "Unable to communicate with server" toast appears after 30 seconds, previously the toast was set to appear within “10 seconds”.

Device AMS (v2.1.51)

See previous release history section in this document for changes made from last posted release. **Issue Fixed**

- Android 10 AMS Device app not launching due to permission "allow over other apps”. After granting all required permissions following pop-up will appear requiring permission for "allow over other apps". The pop up will appear only on android 10 or greater.





Document Revision History

Rev	Description	Date
3.0	Feature Release v3.0 (PI21.1)	4/27/21
3.0.1	Correction Release V3.0.1 Fix to Background battery update	5/19/2021
21.2.0	Scheduled posted release (PI21.2)	8/12/2021
21.2.1	Replaced DW profile for PIN scanning. Original needed a second activity added to work with cradle locks.	9/21/21
21.3	Scheduled posted release (PI21.3)	