ZAMS Release Notes – V3.0.1

May 19, 2021

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Introduction

The document communicates the new features and changes in this release of the ZAMS Product. It also documents known problems and workarounds.

ZAMS SW release components

Item	Area	Description
AMS Server (URL) https://zams.zebra.com/	AMS Server	ZAMS (cloud) Portal
AMS Core APK	Cabinet AMS	Core APK for CC6000 to operate AMS
AMS UI .APK	Cabinet AMS	UI APK for CC6000 user interface
AMS_CC6_DrawOverA10.xml	Cabinet AMS	Mobility Extension (MX) XML file to allow "Display over other apps" This is needed if the CC6 is running A10.
AMS Device APK	Device AMS	APK for mobile devices in AMS application
ZamsA10SerialPermission.xml	Device AMS	MX XML Permission enablement file. Required for Enterprise Mobility Management (EMM) installs on Android 10 (A10) and later
ZamsA10SerialPermissionProfile.zip	Device AMS	StageNow formatted version of XML Permission enablement file
ZamsA10SerialPermissionBarcode.pdf	Device AMS	StageNow scannable barcode formatted version of XML Permission enablement file
dwprofile_AmsDevice.db	Device AMS	DataWedge profile for AMS application device registration
dwprofile_amsPin.db	Device AMS	DataWedge profile for AMS application PIN scanning

Highlights (V3.0.1)

Note: The main purpose of this this release is to correct a background battery update reporting issue (#34364). Battery updates were intermittently not being made to the kiosk and portal

Updates in this release

- AMS Server (no change)
- Cabinet Kiosk AMS (Core v0.0.44 and UI v0.0.40)
- Device AMS (v2.1.46)

AMS Server (v2.0.9) (No change)

Although the server has not been updated at this time the following items will be made on an upcoming server update.

Issues Fixed

1. ***Master QR Code*** Universal Issue Fixed. Master QR Code is unique across the companies.
2. ***Pin Code*** field for User Device Users was accepting letters and special characters. With the change, the pin field will only accept numbers.
3. Device User ***Deactivation*** Issue fixed.

Changes:

1. Alert ***EMAIL time stamp*** in local time, picked up from the Site default time zone. See new feature.
2. Changes in Device User creation form. ***Device Login*** field is set as mandatory field to be displayed as ***UserName*** on portal and Kiosk. ***Contact Email*** field is optional as compared to the previous versions of the portal where Email ID was mandatory in addition to being the default entry for Username.

New Feature:

1. New Field created when creating a Site, user selects the **Time Zone** from a drop-down list.

Cabinet Kiosk AMS (Core v0.0.44 and UI v0.0.40)

Issues Fixed

1. 34634: "Battery" and "last updated" not changing on the CC6 or the portal

New Feature:

2. Send the version number of Core & UI to the server to help support the product

Device AMS (v2.1.46)

New Features:

1. Master QR Code is unique for every company. The Master QR Code generated by super admin is Universal.
2. A **Screen saver** has been added to address the potential screen burn issue.
    a. Screen saver will kick off 3 minutes after the device has been put on charge and has recorded no user interaction
    b. If user presses a button, touches the screen or takes the device off charge, device will go back to the normal AMS screen
3. Send version number of the AMS Device to the server to help support activities

Known Constraints and Workarounds

1. (**All OS)** After successful login. **AMS Device** is not able to engage when device is back in the BLE range. (Random issue).
2. (**All OS)** BLE distance measurement may not be accurate always as it is dependent on the number of elements within the operating environment e.g. electrical interference, hardware strength, BLE noise from other equipment, radio waves density and frequency within the building etc.
3. 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**).
4. Potential CSV data "schema" issue with bulk user import. Contact Zebra support person to work around. Dev team is working on the creation of a new template to support an upcoming feature.
5. When running with older (<v2.0.11) of ZAMS Portal, Username on kiosk may not match what is shown on portal. Username and email fields may be interchanged between the two UI views.

Compatible Products Minimum Requirements

AMS API Server

Ubuntu 16.04.6 LTS

- Java 8 (version 1.8.0_201)
- Spring 5.1.11.RELEASE
- Spring Boot 2.1.10.RELEASE
- MySQL 5.7.29 for Linux on x86_64 (MySQL Community Server (GPL))

AMS Web Portal

- Angular 8
- Nginx

AMS Android Device App

Minimum Requirements

- Android device with BLE support running Android OS 6.0.1 (This is the version running on Zebra devices).

Testing / Validation Environment.

The following Android hardware and software was used for functional verification of the AMS Android App.

- Zebra TC75x – Android 7 (2 no)
- Zebra TC51 – Android 6 (1 no)
- Zebra TC51 – Android 8 (1 no)
- Emulators setup on 2 Servers (100 nos.)

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

Highlights (V3.0)

AMS Server v2.0.9-jwt

1. “#” and “.” are now treated as special characters in password
2. Replaces the word "character" with "letter" in password validation message for lower- and upper-case validation statements
3. “Historical Reports” have been added to the Reports Menu, which allows the company admin to view and download three types of reports. “Cabinet Devices Report”, “Device Status Reports” & “User Device Report” with searchable parameters and selectable date range.
4. On new company creation the form, ”One Device User Enabled” field is added along with a check box
5. Bug Fixed: NOT_RETURNED Status Log not showing in Database Reporting.
6. Bug Fixed: INVALID_LOGIN Status reason not updating on Portal.
7. Password length issue – Now min 8 characters are acceptable
8. Device login issue – issue where token couldn’t be renewed
9. New Feature: One User Login allowed on Device APK – Configurable
10. Historical Reporting – Latest feedback addressed
11. Added headers to the reports
12. Provide searchable Cabinet name, Device serial number and Username
13. Minor cosmetic fixes
14. Constraint violation error (duplicate entry) was not showing properly.
15. On new company creation the "Alarm Enabled" and "Charging Screen Visible" fields were not checked (ticked) by default.
16. Fixed Pagination Issue under Administration.
17. Allow Hyphen in first and last name.
18. Fixed: Reset password issue under Account>Password.
19. Bugs Fixed in Entry Fields in Create New Company, Create New Site. Issue resolved where optional fields if filled and then later on kept empty were showing error.

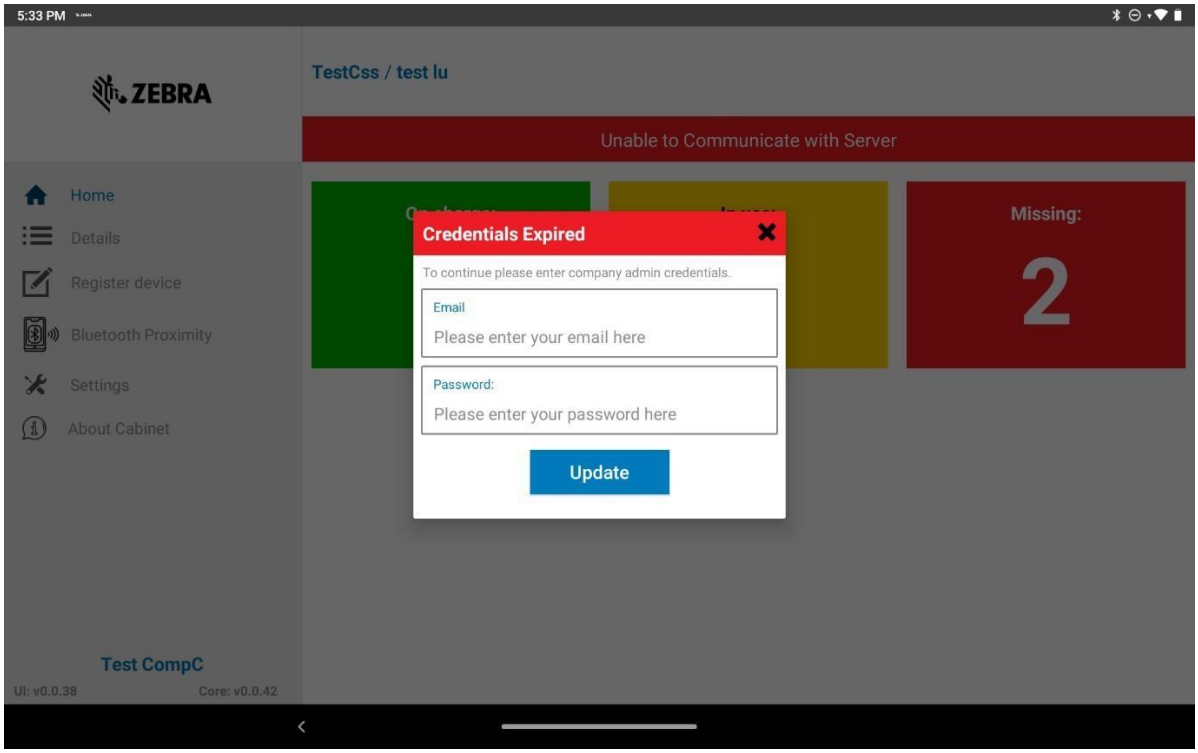
Cabinet AMS (Core v0.0.43 and UI v0.0.39)

1. Fixed Issue: ANR issue fixed when switching between AMS UI screens (AMS UI)

Fixed Issue: Go to Details > ON_CHARGE and wait for 10 seconds, after 10 seconds only all devices currently on ON_CHARGE status will appear in the list. The devices with MISSING or IN_USE status will appear in respective list. In the Previous Versions there was a bug which was causing all the device to

be listed under ON_CHARGE in the Details section after 10 sec. On the other hand the home screen use to show the accurate status and the device nos. as per respective status (AMS UI)

2. Fixed Issue: Go to Details Screen => minimize app then resume app, after repeating mentioned steps ON_CHARGE, MISSING, IN_USE tabs are added again and again every time the app is resumed after minimizing. (AMS UI)
3. CHANGE: Show permanent text "Wifi not connected" in red color on Register Device Screen when WIFI is not connected. (AMS UI)
4. CHANGE: Show permanent text "Bluetooth proximity is disabled" on Bluetooth Proximity Screen when it is disabled on portal (AMS UI)
5. Ask admin to enter credentials only if token is expired and previous admin credentials are changed or expired. (AMS UI)



6. Token renewal enhancement. (AMS Core & UI)
7. One User at a time Company level check fixed. (AMS Core)

Device AMS (v2.1.45)

1. The Device AMS v2.1.43 supports Android 10 & all other devices running lower OS versions.
2. NEW: Scan Pin Code for login and in-cradle-lock scan. Create a new DataWedge profile, add Lock activity in associated apps and under Input/output section add broadcast intent with action "com.zebra.device.pin.ACTION".

3. Fixed Issue: Bluetooth clash with UVTrace (AMS engaging when placed for sanitization using UVTrace)
4. CHANGE: If logged in using cradle lock and device is not removed from cradle for 1 minute then AMS engages on device and status is updated to ON_CHARGE on CC6000. Previously time to remove device from cradle was 10 seconds. **** amended as per documentation.
5. Flexible Screen Sizes, compatible for all devices (including EC30, TC51, TC75x and others)
6. App should not launch after reboot while Device is out of BLE range & on Charge in specific customer scenario.
7. Flashing pattern working very fast on cradle lock.
8. Master QR-code was not expiring after 48 hours.
9. When a user enters a valid pin and the device is successfully logged in, the same pin can't be used by any other user from Company to login in. Once a user enters the same pin that is already in use, a message will appear on the screen "User is already logged-in on device "1xxxxxxxxxxx9" The counter and alarm are uninterrupted will not stop unless a valid login has completed.
10. One User at a time Company level check fixed
11. AMS Device UVTRACE crash fixed

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