ZAMS Release Notes
ZAMS Release 22.2.1, August 2022

Contents

1 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 (part of auto install content)	Mobile Device	DataWedge profile for AMS application device registration
dwprofile_amsPin.db (part of auto install content)	Mobile Device	DataWedge profile for AMS application PIN scanning
ZamsAutoInstall files and directory structure. (See install doc for details)	Kiosk and Mobile Device	Supporting files and documentation used to automate installation or deploy via EMM or stage Now and set permissions that may not exposed via the OS UI.

1.1 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

1.2 Target Environments

ZAMS supports the following target environments

- All Zebra GMS and Non-GMS Android M devices and later
- Non-Zebra Android devices support for Android M and later but does not include Zebra Value Add (ZVA) compatibility such as MX, DataWedge, StageNow, etc. This generally means the following may not be supported if the desired ZVA equivalent feature is not specifically integrated into the ZAMS application on a case-by-case basis.
  - 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

2 Change Highlights (Release 22.2)

This is a patch release to the v22.2 published release.

Updates in this release

- Kiosk AMS (Core v1.2.24). no other updates

2.1 Cabinet Kiosk AMS (Core v1.2.24 and UI v1.1.8)

Bugs Fixed:

- Device state reporting mismatch. The kiosk software has been updated to correct a race condition related to device state reporting. This issue can result in the kiosk not reporting the same device status in the portal.

3 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. A new security certificate along with a new barcode scanning activity was released at the end of June. This resulted in a mandatory update of all ZAMS installs to v22.1 or later. Any legacy DW profiles prior to that release will need to be updated. Otherwise, some scanning functions will not work.

3. It is recommended that setting " App Login on Reboot" should be turned off while using Imprivata APP.

4. It is recommended to turn off BLE proximity Imprivata while using Imprivata.

5. A Random behavior has been reported in Android 8 (Oreo) devices that Sometimes A 8 device takes long time to connect to the wifi and toast (wifi not connected) appears.

6. Bug – Scheduled Email Configuration – After the daylight saving time came into effect There was one-hour time difference delay in the delivery of the email reported by Zebra. The work-around to resolve this issue at present is just to change the scheduled time of the Configuration by signing into the ZAMS Portal if the delivery of the Scheduled Email has been disturbed.

7. After a factory reset on the CC6000, the offline cabinet files may fail to be processed the first time if placed on the device by Stage Now. It may begin working with a retry of the profile after uninstalling the applications or relaunching them the apps after clearing from the Recent apps.

8. ZAMS SSO intent known issues:

   a Login status may not update on portal when Special character is used in the user name field while logging in.

   b When device is ON_CHARGE, if a user log in intent is sent, the ON_CHARGE status is lost and may not be recoverable. The intent must only be sent when the device is outside of the charger.

   c When using the ZAMS SSO intent the ZAMS client should be configured (via the portal) so PIN UI is not shown. In this case, if "send alarm" is sent via the portal UI, there is not UI prompt so the device will alarm until the unit is placed back into the cradle.

   d QR code scanning to turn off the alarm is not possible if ZAMS is configured not to show the UI on the device.

9. Marking a device as lost does not free up the user if one device per user is enabled.

4 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