

Zebra Developers

Build Your Edge





Zebra **Dev**Talks Community Day
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Zebra DevCon2021

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November 2021 | Madrid, Spain

DevTalk Day – What's new in Mobility DNA

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SW Architect, Zebra Technologies

19th May 2021

DevTalk - What's New in Mobility DNA

Agenda

- Ways of Developing for Zebra devices
- Prevent Play Store apps for Updating Automatically
- Touch Panel changes
- MX 10.4 Enhancements
- MX 10.3 Enhancements
- Enterprise Browser
 - Term based licensing
 - Enterprise Application Configurator
- Stage Now 5.0: Lifeguard Update Integration
- Device Central: Smart Leash
- Alert (Panic) button
- MX 10.2 Enhancements
- MX 10.1 Enhancements
- Bluetooth Scanner Notifications
- New DataWedge Features:
 - Wake up and Scan
 - Edge Detection / Full Document Capture
 - Signature Presence Detection
 - Use Multiple scanners interchangeably


Ways of Developing for Zebra Devices

DataWedge 101


Developer Tools & SDKs

Available Product Documentation

techdocs.zebra.com

TechDocs


About TechDocsI Need Tools For...Feedback



Solutions

Apps built for Zebra's Android mobile computing devices to help corporate end-users increase productivity in the workplace and improve efficiency of their workflows.


ActiveEdgeApp GalleryBest PracticesDevice CentralDevice TrackerDEX Scan & PairEnterprise Home ScreenEnterprise KeyboardEKB DesignerOEMConfigPowerPrecision ConsoleHelp



Barcode Scanner Tools

Software Development Kits (SDKs) for building data-capture apps that use Zebra's barcode scanners.

AndroidLinuxChrome OSOPOS




DataWedge

7.4

An app included with Zebra Android and Windows mobile computing devices that provides barcode scanning and processing services for virtually any other app on the device.

AboutGetting StartedSetupProfilesSettingsAPIsDemo App & Samples




Diagnostic Tool

1.17

Instantly test and diagnose device system operability to determine system health.

AboutUsageConfigurationTest Criteria




EMDK For Android

7.4

The Enterprise Mobility Developer Kit for building Java apps for Zebra's Android mobile computing devices includes Java sample projects using EMDK APIs for data capture.

AboutGet StartedTutorialsSamplesGuidesProfile MgrFAQsAPIs



EMDK For Xamarin

5.0

The Enterprise Mobility Developer Kit for building Xamarin apps for Zebra's Android mobile computing devices includes sample projects using C# APIs for data capture.


AboutGetting StartedTutorialsSamplesGuidesProfile ManagerAPIs

DataWedge 101

Developer Tools & SDKs

About EMDK For Android - Zebra

techdocs.zebra.com/emdk-for-android/7-4/guide/about/

TECHDOCS

AboutGet StartedTutorialsSamplesGuidesProfile ManagerFAQsAPIs

About EMDK For Android

- Overview
- New in v7.4
- Version History
- EMDK-A Components

About EMDK For Android

EMDK For Android 7.4

Regarding EMDK Barcode Scanning APIs

Zebra strongly recommends the use of DataWedge for all applications that require barcode scanning. While Zebra will continue to support EMDK Barcode APIs, the efficiency and feature richness of intent-based interfaces make it a simpler alternative to app development using EMDK Barcode APIs.

DataWedge facts:

- DataWedge APIs have the same capabilities currently available in EMDK Barcode APIs.
- DataWedge intent-based APIs are easier and faster to implement than EMDK Barcode APIs.
- New features are added to DataWedge before being considered for EMDK Barcode APIs.

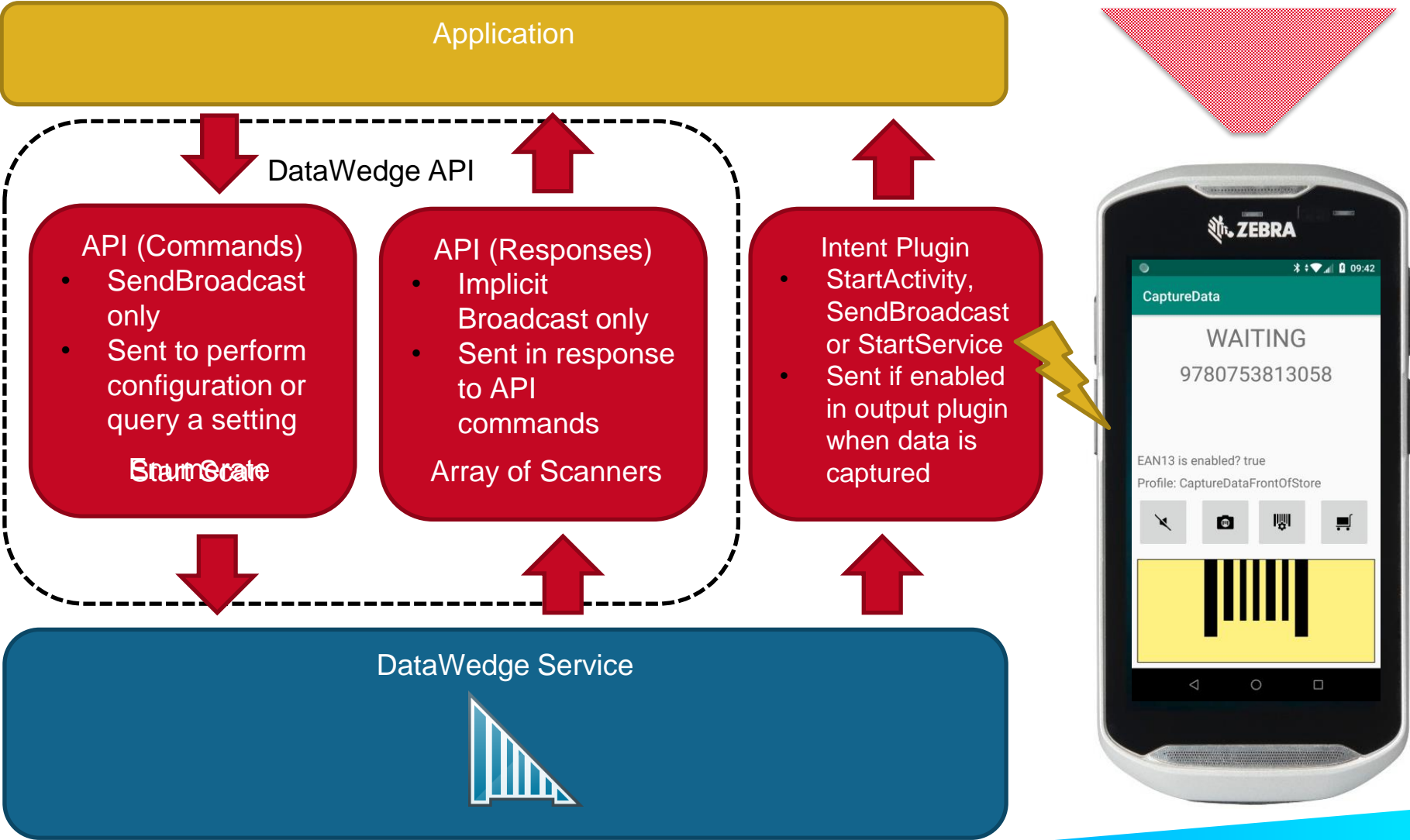
Learn About DataWedge

Overview

EMDK for Android extends the Android Studio IDE for Mac OS and Windows with tools for easily creating powerful line-of-business applications for Zebra Android devices. EMDK for Android includes class libraries, sample apps and source code that enables developers to

DataWedge 101

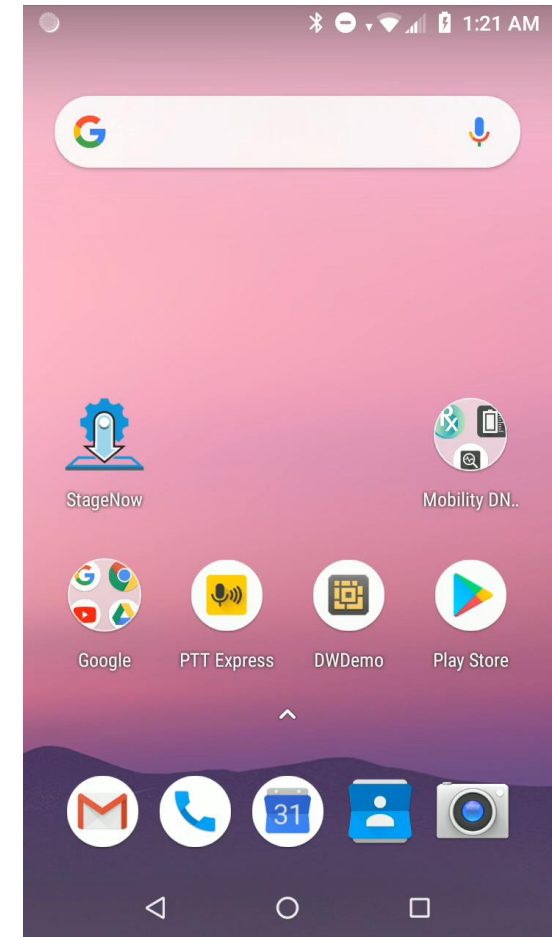
DataWedge and the DataWedge API



DataWedge 101

DataWedge and the DataWedge API

- Putting it together: DataWedge sample 'DataCapture1'
 - <https://github.com/Zebra/samples-datawedge/tree/master/DataCapture1>
 - <https://techdocs.zebra.com/datawedge/latest/guide/samples/barcode1/>
- Demo will:
 - Create profile & show this reflected in DataWedge
 - Configure scanner & show this reflected in DataWedge profile
 - Ensure the Barcode INPUT Plugin is enabled
 - Show a scanned barcode being received via Android Intent
 - Show the current DataWedge status (from the DW API)
- Full DataWedge API:
 - Available from <https://techdocs.zebra.com/datawedge/latest/guide/api/>




Mobility DNA Updates

DevTalk - What's New in Mobility DNA

Overview

- Techdocs: <https://techdocs.zebra.com/mdna/> (list of what is new in Mobility DNA)

LATEST MOBILITY DNA FEATURES



Easily switch between touch modes using...

MOBILITY DNA

ZEBRA'S MOBILITY DNA — THE GENETIC CODE THAT GIVES OUR MOBILE COMPUTERS

DISTINCT ENTERPRISE CAPABILITIES

0:44 / 0:55

New Touch Mode Panel Quickly Adapts to Change

New in Zebra MX 10.3

Long-pressing the power key on supported Zebra devices now provides quick access to Touch Mode settings, a new settings panel that allows users to switch touch-screen modes to quickly adapt to changes in the computing environment. For example, if the user walks into a refrigerated room, the device after long-pressing can be configured for a gloved hand with a single tap.


[Learn More About Touch-Mode Panel Options](#)

Select Which Apps to Update Without Allowing All

New in Zebra MX 10.3

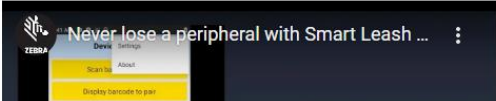
The ability for apps to self-update has helped bring mobile computing devices to the forefront of the productive enterprise. Now, Zebra's App Manager utility lets administrators decide which apps on a device can be updated and which should stay the same until explicitly allowed to receive an upgrade.

[Learn More About App Manager Actions](#)



Zebra Puts Admins in Control of App Upd...

WHEN APPS ARE WORKING PROPERLY...



Never lose a peripheral with Smart Leash ...

Smart Leash Helps Keep Peripherals Close at Hand

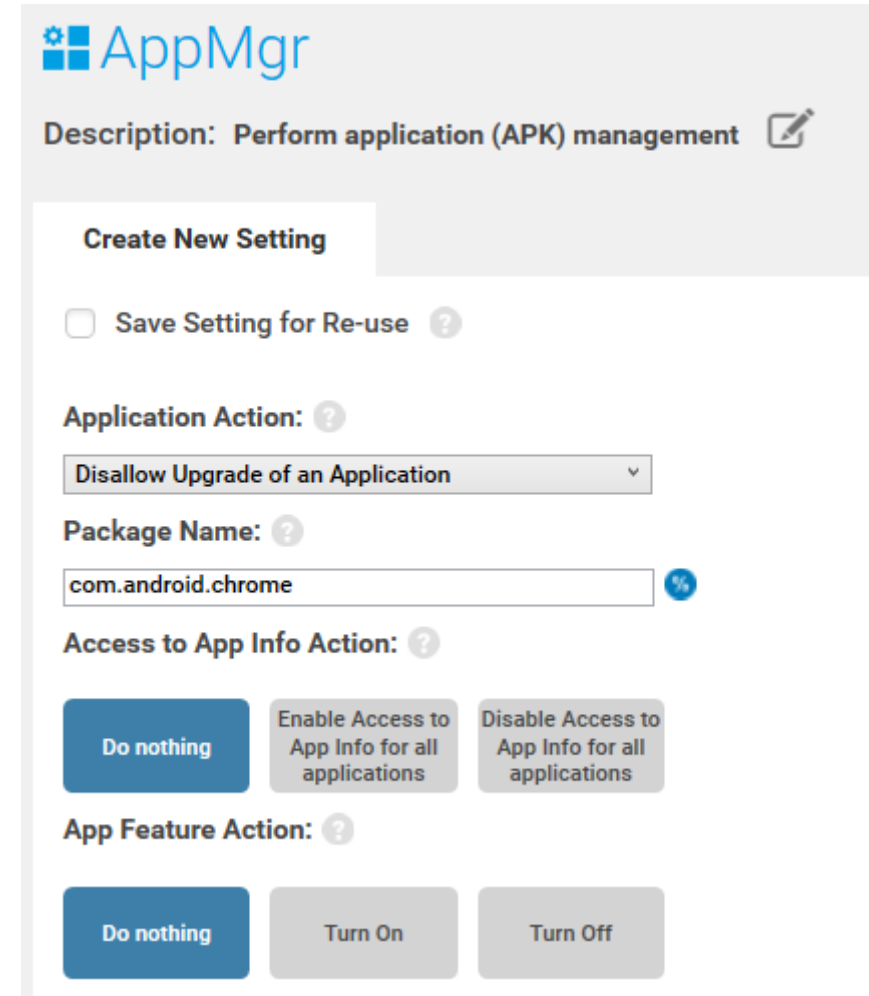
New in Zebra Device Central 3.1

The new Smart Leash feature in Zebra's Device Central Bluetooth management app notifies the device user with sound and/or vibration when a peripheral they've been using loses connectivity with their device. For

DevTalk - What's New in Mobility DNA

Prevent Play Store apps for Updating Automatically

- New Feature of MX 10.3 (Available in StageNow 5.1)
- Docs: <https://techdocs.zebra.com/mx/appmgr/#action>
- Specify which application(s) are allowed or disallowed to update on the device.
- By default, all applications are allowed to update
- Primary use case is for apps installed from the Play Store
- Augments existing Play Store settings



The screenshot displays the 'AppMgr' web interface. At the top, there's a header with the 'AppMgr' logo and a description: 'Perform application (APK) management'. Below this, a 'Create New Setting' button is visible. A checkbox labeled 'Save Setting for Re-use' is present. The 'Application Action' section features a dropdown menu currently set to 'Disallow Upgrade of an Application'. The 'Package Name' field contains 'com.android.chrome'. The 'Access to App Info Action' section offers three options: 'Do nothing', 'Enable Access to App Info for all applications', and 'Disable Access to App Info for all applications'. Finally, the 'App Feature Action' section provides three options: 'Do nothing', 'Turn On', and 'Turn Off'.

AppMgr

Description: Perform application (APK) management

Create New Setting

☐ Save Setting for Re-use

Application Action:

Disallow Upgrade of an Application

Package Name:

com.android.chrome

Access to App Info Action:

Do nothing | Enable Access to App Info for all applications | Disable Access to App Info for all applications

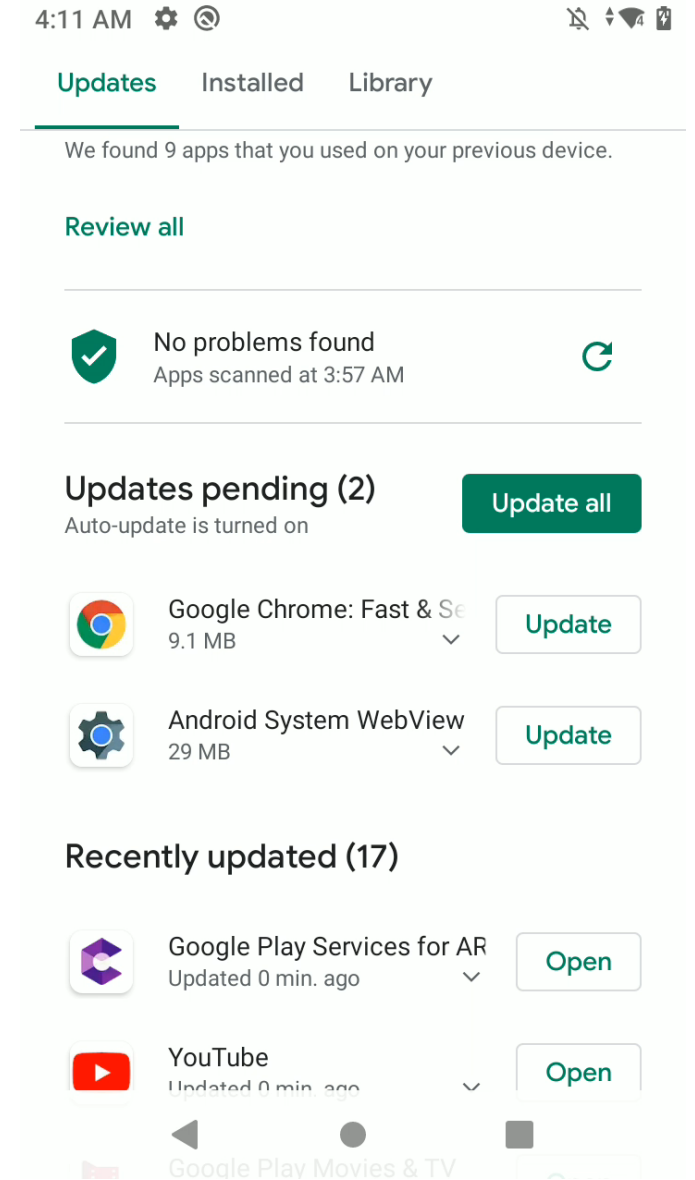
App Feature Action:

Do nothing | Turn On | Turn Off

DevTalk - What's New in Mobility DNA

Prevent Play Store apps for Updating Automatically

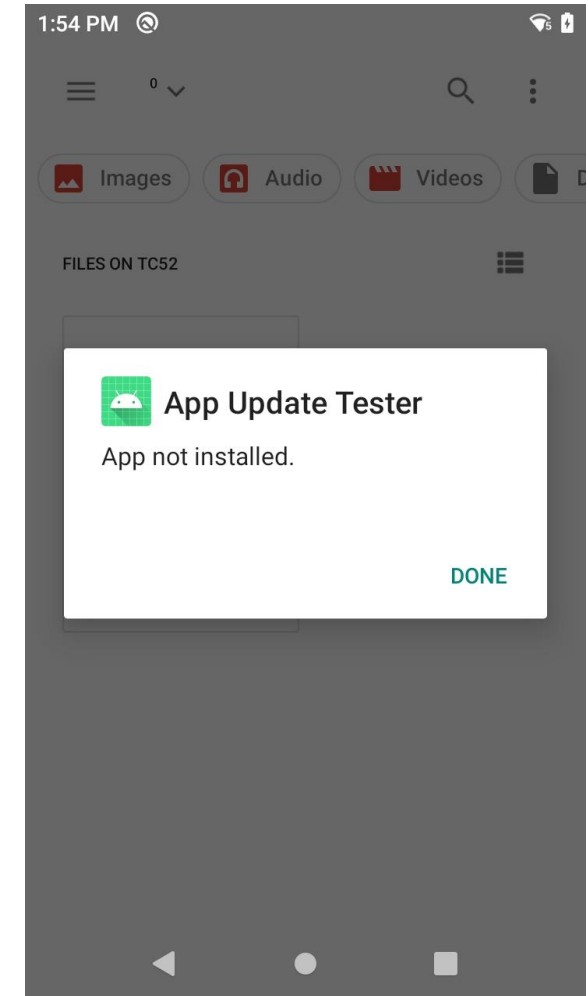
- Video Demo
 - Chrome has been prevented from updating
 - Play Store will download the app but installation will fail
 - The WebView is also prevented from updating in this example as it relies on the Chrome rendering engine
- YouTube Video: <https://youtu.be/H5GCqnijijk>



DevTalk - What's New in Mobility DNA

Prevent Play Store apps for Updating Automatically

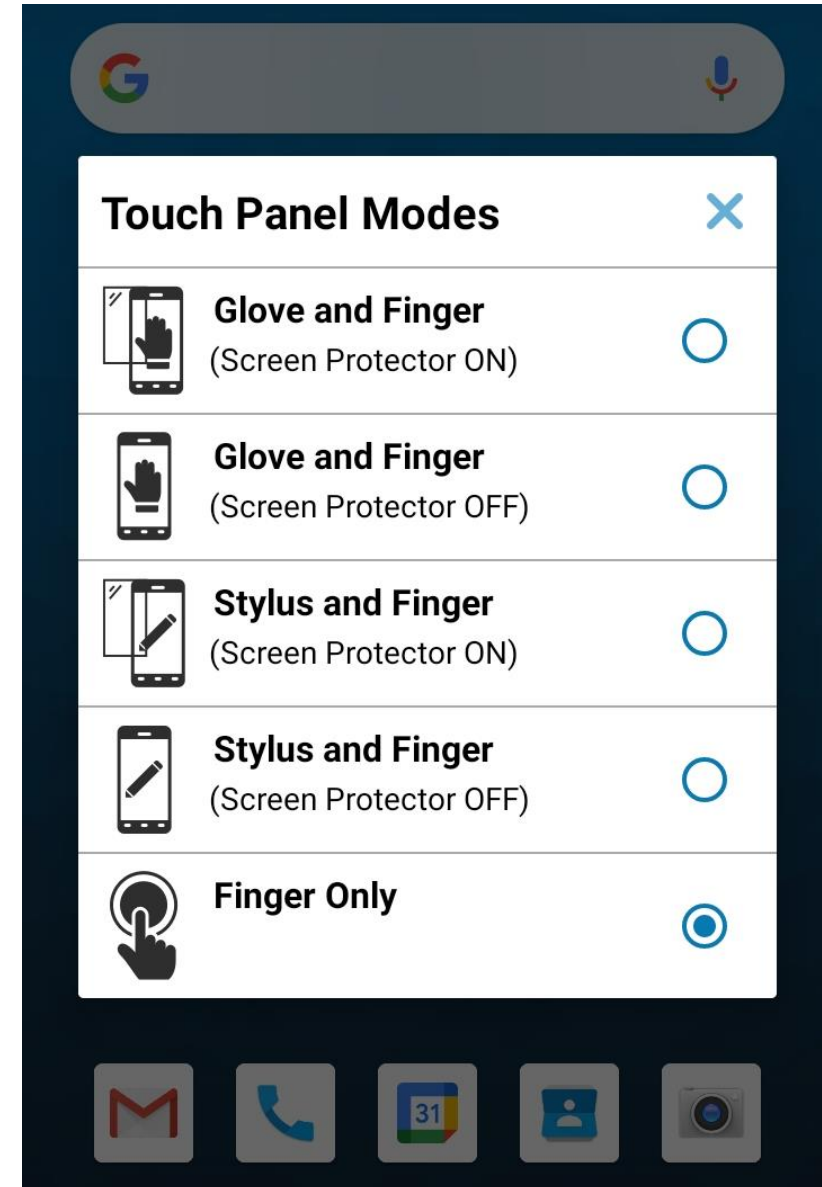
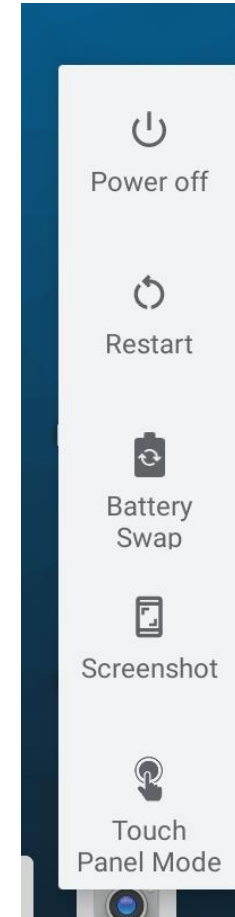
- **Upgrade through AppManager:**
 - Use the AppManager 'Upgrade' action
 - Upgrades through AppManager will **SUCCEED** regardless of this setting
- **Upgrade through Package Installer**
 - E.g. Download an .apk from Chrome and tap on it
 - E.g. Send an Intent with the 'application/vnd.android.package-archive' type
 - This scenario will **NOT SUCCEED** if updates are disabled through this new setting



DevTalk - What's New in Mobility DNA

Configure the Touch Mode Panel from the Power Key

- New Feature of MX 10.3 (Available in StageNow 5.1)
- Docs: <https://techdocs.zebra.com/mx/powerkeymgr/#touch-panel-showhide>
- Enable quick access to the enhanced touch modes available on Zebra devices enabling the user to interact with a gloved hand or a stylus.
 - Affects the sensitivity of the display
 - Previously: These had to be configured by the admin or developer
 - Now: Full power over these options can be given to the user
- YouTube video from docs team: https://youtu.be/kRHkg0JGj_Q
 - Per docs: “Devices that support this option”



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MX 10.4 Enhancements

- New keys added to the KeyMapping Manager
- USB Manager:
 - Choose how USB devices will connect by default (Charge only, MIDI, PTP, Tethering)
- Wireless manager:
 - Control whether Bluetooth Scanning is on or off
 - Control whether Wi-Fi Scanning is on or off
 - Control whether Location Service is on or off
- Grant an app `MANAGE_EXTERNAL_STORAGE` permission
 - Enables use of “all files access” permission
 - This does NOT circumvent the [Play Store policy around this permission](#):

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MX 10.3 Enhancements

- Prevent applications from upgrading / downgrading
 - Teaser promo video: <https://youtu.be/t7J8e2rVcMM>
- Clear device Bluetooth pairings
- DHCPv6
- NFC logging
- Touch mode panel
 - Quickly switch between glove / stylus / finger / screen protector on or off
 - Teaser promo video: https://youtu.be/kRHkg0JGj_Q

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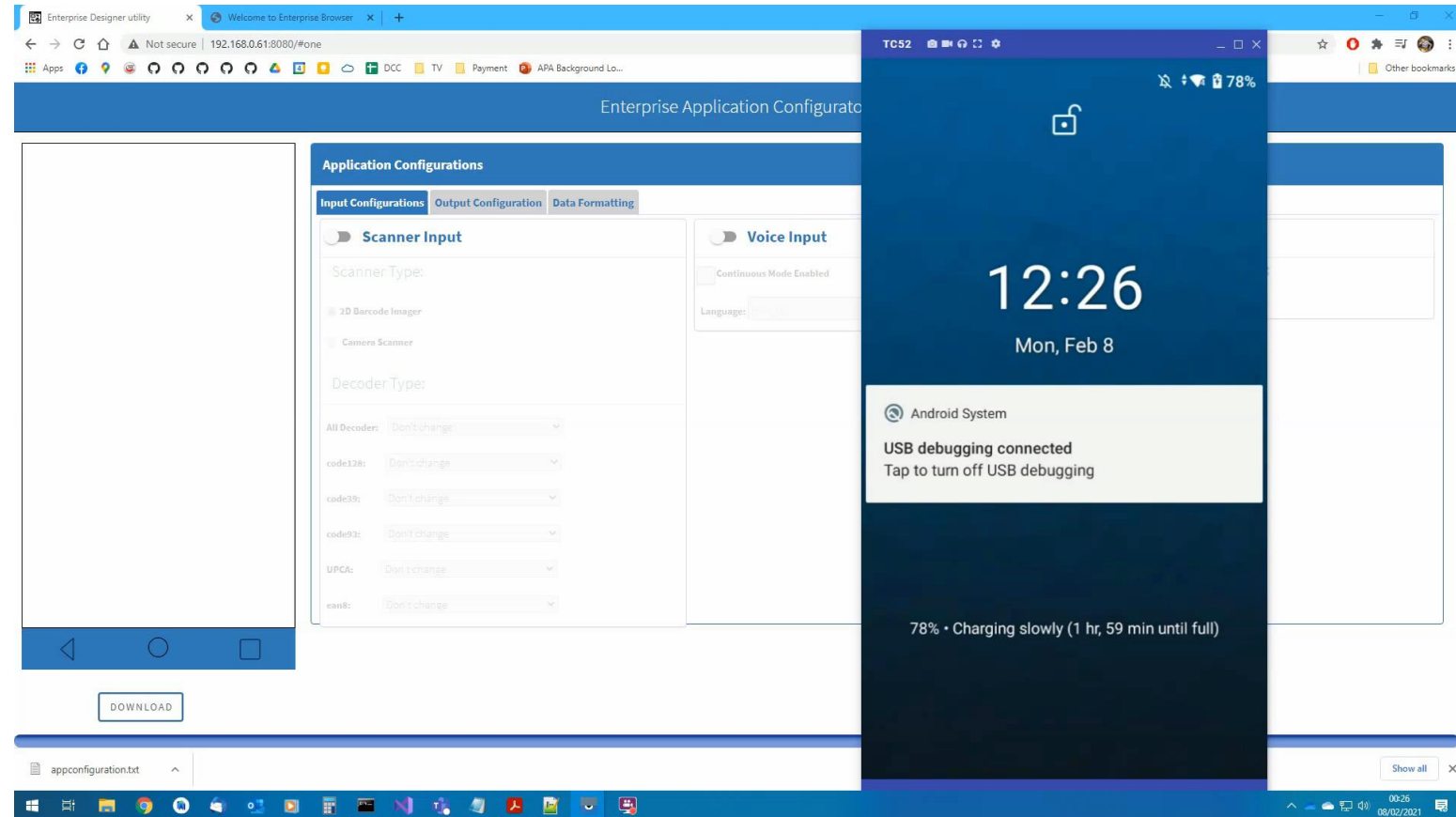
Enterprise Browser: New Features in 3.0.6

- Docs: <https://techdocs.zebra.com/enterprise-browser/3-0/guide/about/#newinv30>
- New Device API:
 - Disable Android navigation bar
- New WebView API:
 - Enable / Disable “pinch to zoom”
- New Database API
 - Restored the previously removed API
 - Exposes on-device API to access SQLite database
 - Alternative to [Web SQL Database API](#)
- Licensing enhancements (<https://techdocs.zebra.com/enterprise-browser/3-0/guide/licensing/>):
 - Apply & activate licenses for itself and the MDNA bundle in a single step
 - Term-based licensing (1, 3 or 5 year terms). 90-day trial. Note: EB comes with 30-day trial out of the box.

DevTalk - What's New in Mobility DNA

Enterprise Browser: Enterprise Application Configurator

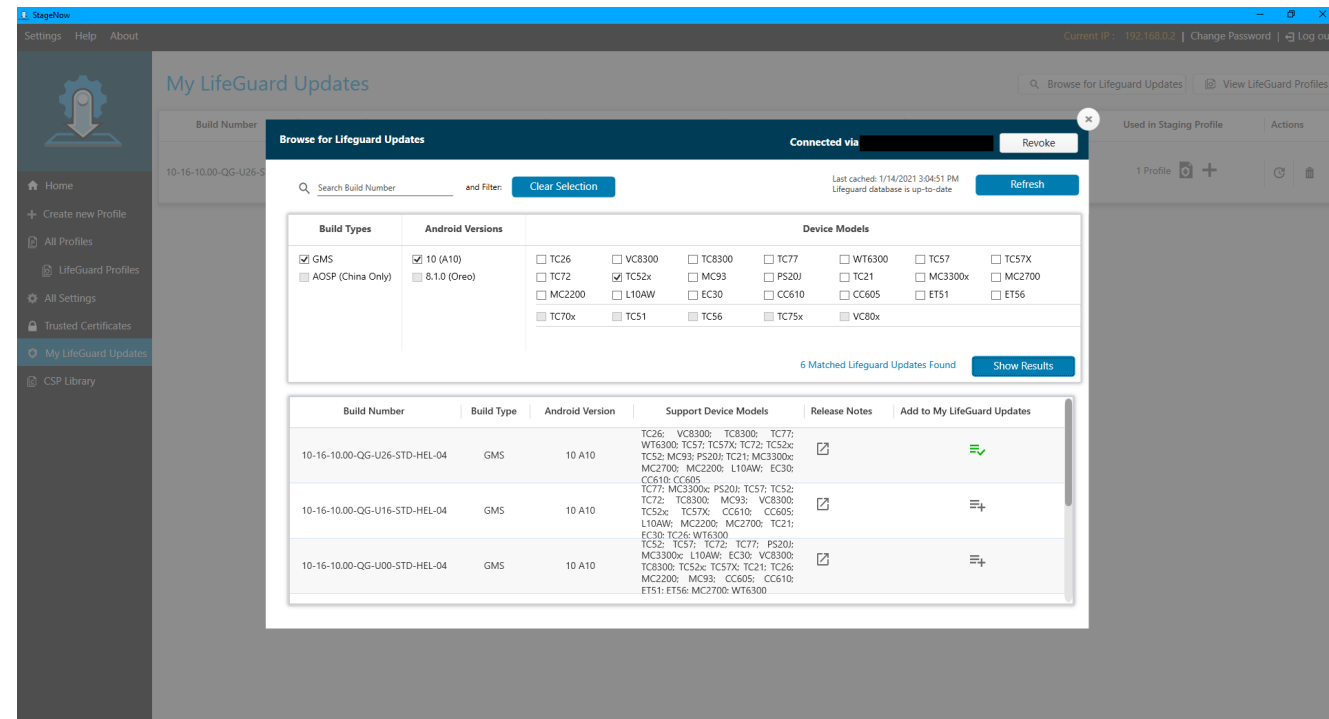
- Enhancement to the 'DOM Injection' concept
- Dom Injection:
 - Add enterprise features to your existing web app.
- EAC:
 - Add enterprise features to your existing web app **without writing code**.
- “Beta” release
- YouTube: <https://youtu.be/hb-4ETOU38>



DevTalk - What's New in Mobility DNA

Stage Now 5.0: Smart Profiles (Lifeguard Update Integration)

- New feature in StageNow 5.0
- Docs: <https://techdocs.zebra.com/stagenow/5-0/smartprofile/>
- View available updates for your device(s)
- Easily create profiles to update your device(s)
- Supports Android Oreo+



DevTalk - What's New in Mobility DNA

Stage Now 5.0: Smart Profiles (Lifeguard Update Integration)

- Live Demo with Stage Now

StageNow

Settings Help About

Current IP: 192.168.0.2 | Change Password | Log out

Home

Create new Profile

All Profiles

LifeGuard Profiles

All Settings

Trusted Certificates

My LifeGuard Updates

CSP Library

My LifeGuard Updates

Build Number

10-16-10.00-QG-U26-S

Browse for Lifeguard Updates

Connected via [redacted] Revoke

Search Build Number and Filter: Clear Selection

Last cached: 1/14/2021 3:04:51 PM
Lifeguard database is up-to-date Refresh

Build Types	Android Versions	Device Models																												
<input checked="" type="checkbox"/> GMS <input type="checkbox"/> AOSP (China Only)	<input checked="" type="checkbox"/> 10 (A10) <input type="checkbox"/> 8.1.0 (Oreo)	<table><tbody><tr><td><input type="checkbox"/> TC26</td><td><input type="checkbox"/> VC8300</td><td><input type="checkbox"/> TC8300</td><td><input type="checkbox"/> TC77</td><td><input type="checkbox"/> WT6300</td><td><input type="checkbox"/> TC57</td><td><input type="checkbox"/> TC57X</td></tr><tr><td><input type="checkbox"/> TC72</td><td><input checked="" type="checkbox"/> TC52x</td><td><input type="checkbox"/> MC93</td><td><input type="checkbox"/> PS20J</td><td><input type="checkbox"/> TC21</td><td><input type="checkbox"/> MC3300x</td><td><input type="checkbox"/> MC2700</td></tr><tr><td><input type="checkbox"/> MC2200</td><td><input type="checkbox"/> L10AW</td><td><input type="checkbox"/> EC30</td><td><input type="checkbox"/> CC610</td><td><input type="checkbox"/> CC605</td><td><input type="checkbox"/> ET51</td><td><input type="checkbox"/> ET56</td></tr><tr><td><input type="checkbox"/> TC70x</td><td><input type="checkbox"/> TC51</td><td><input type="checkbox"/> TC56</td><td><input type="checkbox"/> TC75x</td><td><input type="checkbox"/> VC80x</td><td></td><td></td></tr></tbody></table>	<input type="checkbox"/> TC26	<input type="checkbox"/> VC8300	<input type="checkbox"/> TC8300	<input type="checkbox"/> TC77	<input type="checkbox"/> WT6300	<input type="checkbox"/> TC57	<input type="checkbox"/> TC57X	<input type="checkbox"/> TC72	<input checked="" type="checkbox"/> TC52x	<input type="checkbox"/> MC93	<input type="checkbox"/> PS20J	<input type="checkbox"/> TC21	<input type="checkbox"/> MC3300x	<input type="checkbox"/> MC2700	<input type="checkbox"/> MC2200	<input type="checkbox"/> L10AW	<input type="checkbox"/> EC30	<input type="checkbox"/> CC610	<input type="checkbox"/> CC605	<input type="checkbox"/> ET51	<input type="checkbox"/> ET56	<input type="checkbox"/> TC70x	<input type="checkbox"/> TC51	<input type="checkbox"/> TC56	<input type="checkbox"/> TC75x	<input type="checkbox"/> VC80x		
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<input type="checkbox"/> TC70x	<input type="checkbox"/> TC51	<input type="checkbox"/> TC56	<input type="checkbox"/> TC75x	<input type="checkbox"/> VC80x																										

6 Matched Lifeguard Updates Found Show Results

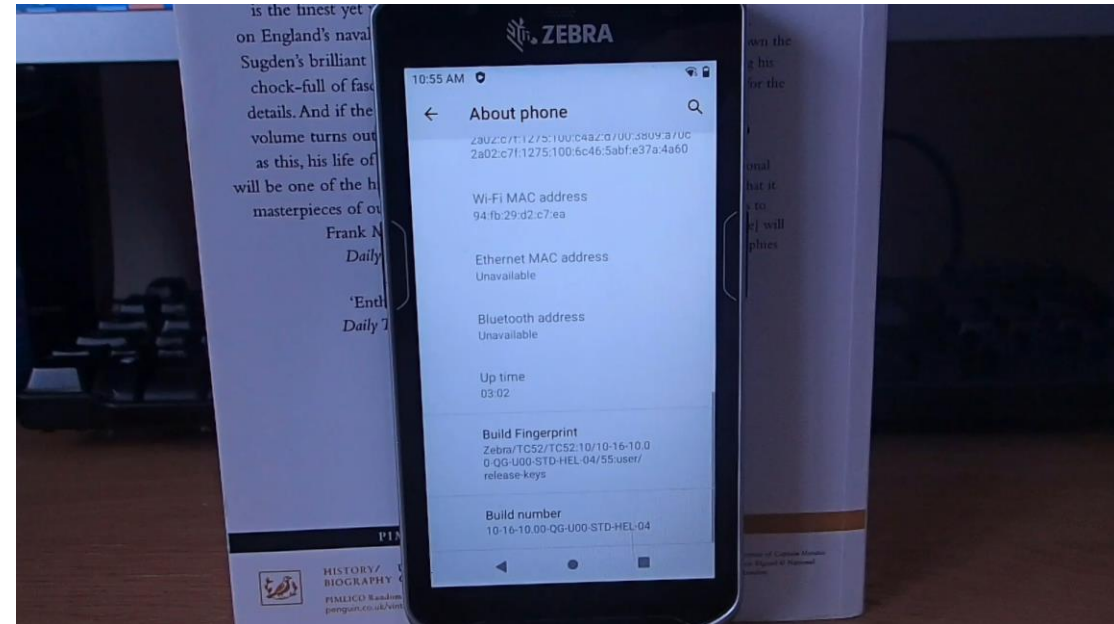
Build Number	Build Type	Android Version	Support Device Models	Release Notes	Add to My LifeGuard Updates
10-16-10.00-QG-U26-STD-HEL-04	GMS	10 A10	TC26: VC8300: TC8300: TC77: WT6300: TC57: TC57X: TC72: TC52x: TC52: MC93: PS20: TC21: MC3300x: MC2700: MC2200: L10AW: EC30: CC610: CC605		
10-16-10.00-QG-U16-STD-HEL-04	GMS	10 A10	TC77: MC3300x: PS20: TC57: TC52: TC72: TC8300: MC93: VC8300: TC52x: TC57X: CC610: CC605: L10AW: MC2200: MC2700: TC21: EC30: TC26: WT6300		
10-16-10.00-QG-U00-STD-HEL-04	GMS	10 A10	TC52: TC57: TC72: TC77: PS20: MC3300x: L10AW: EC30: VC8300: TC8300: TC52x: TC57X: TC21: TC26: MC2200: MC93: CC605: CC610: ET51: ET56: MC2700: WT6300		

ZEBRA TECHNOLOGIES

DevTalk - What's New in Mobility DNA

Stage Now 5.0: Smart Profiles (Lifeguard Update Integration)

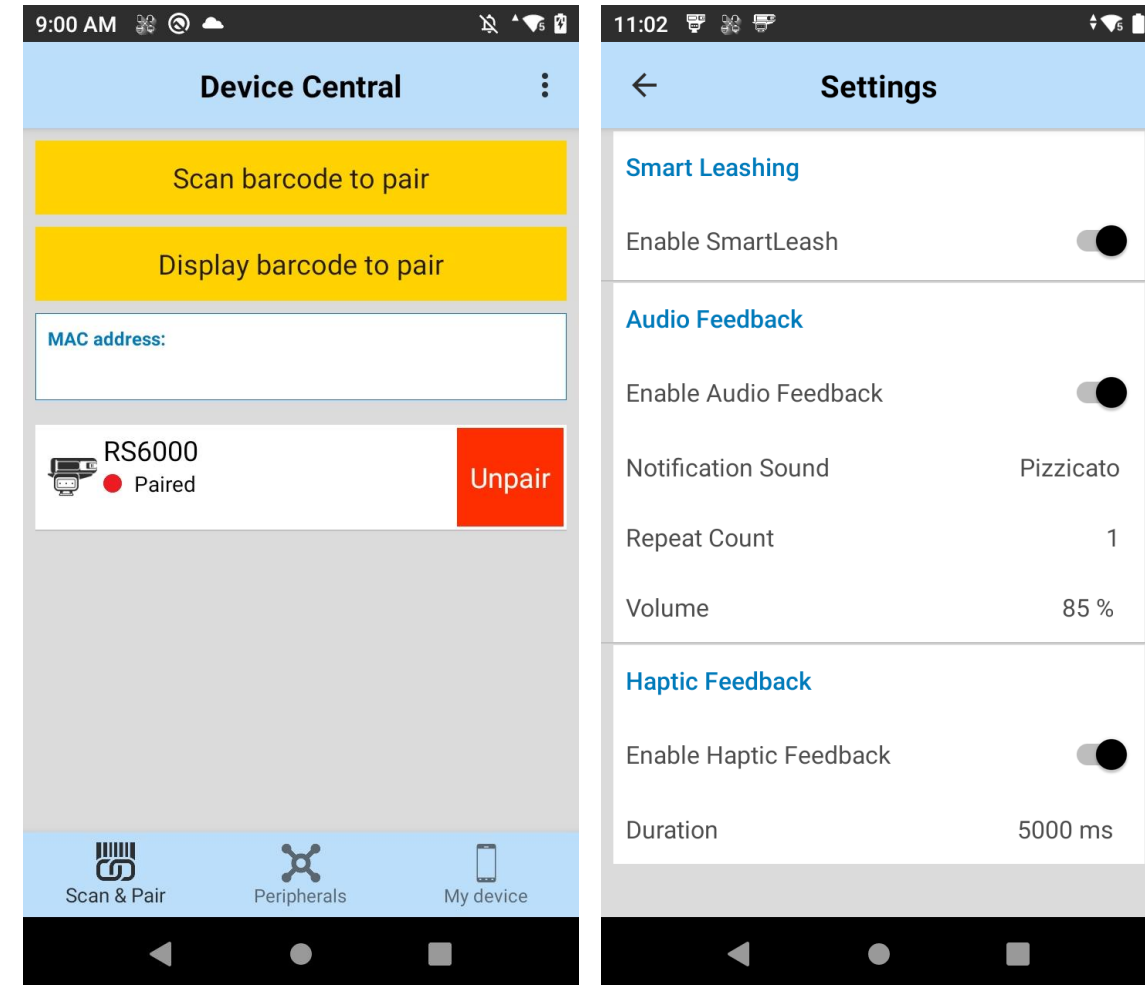
- Video Demo:
 - TC52 updating to 10-16-10.00-GQ-U26-STD-HEL-04
 - First updates to Baseline (full update)
 - Then performs a delta update to LG26
 - Downloads updates from StageNow client (same subnet)
 - OS Update automatically applies
 - Android system updates
 - Device restarts
 - System update installs
 - Device starts – update is applied.
- YouTube video: <https://youtu.be/WwF6IEbbZgY>



DevTalk - What's New in Mobility DNA

Device Central: Smart Leash

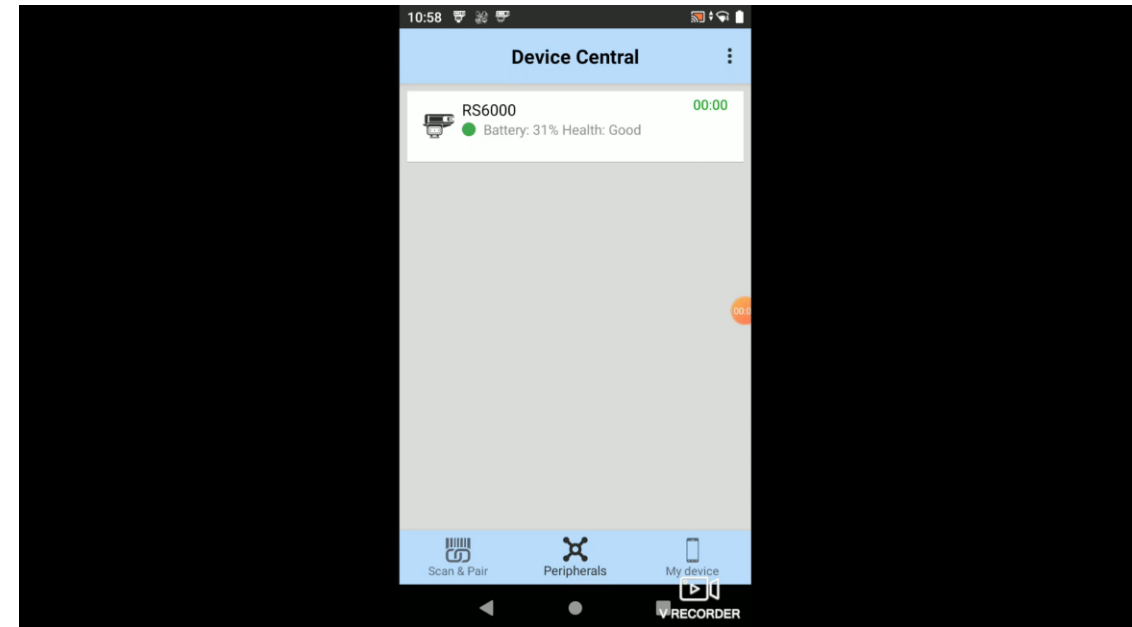
- New Feature of Device Central 3.1
- Docs: <https://techdocs.zebra.com/devicecentral/3-1/guide/usage/#smartleash>
- Receive an alert when the device and connected peripheral move out of range



DevTalk - What's New in Mobility DNA

Device Central: Smart Leash

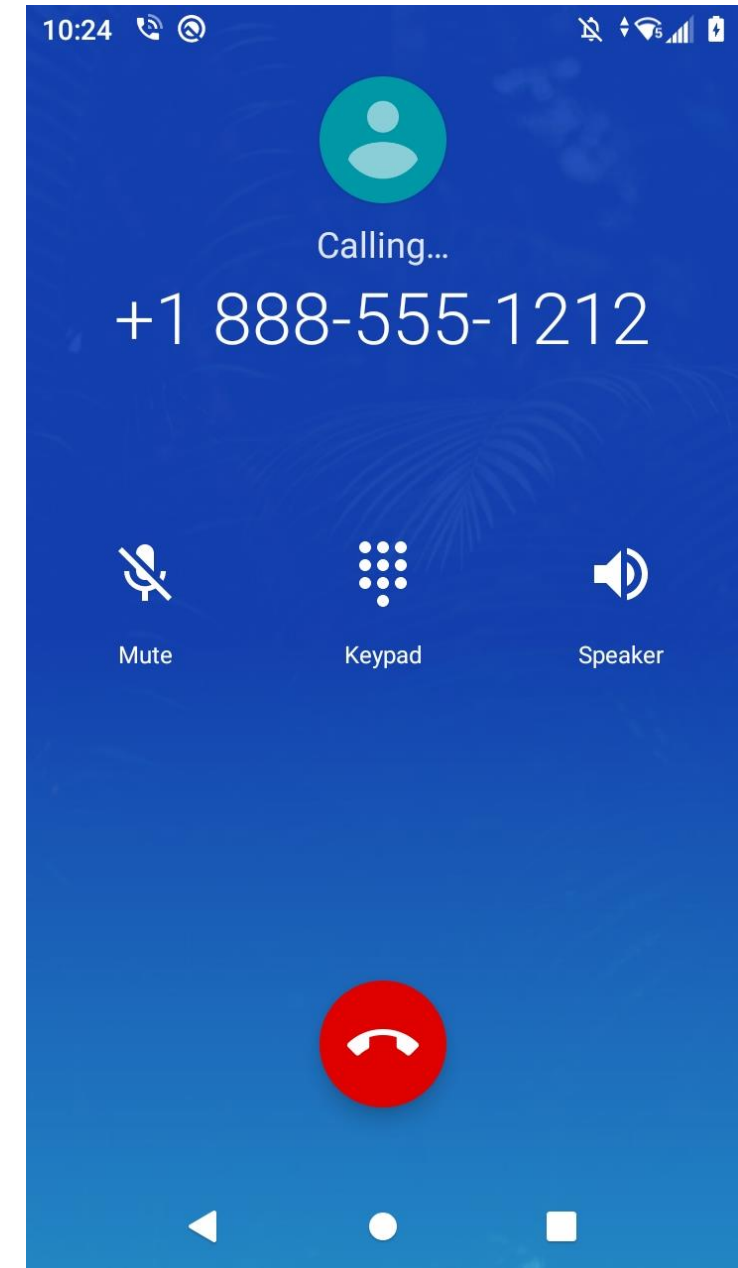
- Video Demo:
 - Screen recording of TC52 connected with RS6000
 - TC52 is taken out of range of RS6000 (about 20m)
 - Device emits an audio alert & vibrates when it is out of range
 - Device presents notification to user
 - Device is brought back in range of RS6000
 - Notification is cleared and RS600 reports as connected.
- YouTube video: <https://youtu.be/p1flfjS-C7o>



DevTalk - What's New in Mobility DNA

Alert (Panic) button

- New feature in MX 10.2
- Docs: <https://techdocs.zebra.com/stagenow/latest/stagingprofiles/#alertbutton>
- Designate a key to perform a specific action when it is long-pressed.
- Use case: Discretely call for help with a single button action
- Screenshot shows rear button of a TC57 device configured to invoke Android intent:
 - `Android.intent.action.CALL`
 - URI: <tel:+18885551212>
 - This is the example in the documentation
 - Device is configured and button is long-pressed
 - Example is designed for WAN devices



DevTalk - What's New in Mobility DNA

Alert (Panic) button

- 3 Steps:
- Specify button as a wake-up source
- Remap the key to a key code
- Define the Intent to invoke when the key is long pressed
- YouTube video from docs team:
<https://youtu.be/WcVLvjBBDmE>

The image displays three overlapping screenshots of the Mobility DNA configuration interface, illustrating the steps to configure an Alert (Panic) button.

PowerMgr Screenshot: Shows the 'Create New Setting' dialog. The 'OS Action' is set to 'Do Nothing'. The 'Port Control Action' is set to 'Do Nothing'. The 'Configure Auto Power' section has 'Do Nothing' selected. The 'Heater Action' is set to 'Do Nothing'. The 'Enable/Disable Doze Mode' section has 'Do not change' selected. The 'All Wake-Up Sources' section has 'Do not change', 'Turn on', and 'Turn off' buttons.

KeyMap Screenshot: Shows the 'Create New Setting' dialog. The 'Action' is set to 'Remap a key'. The 'Choose a key to modify' dropdown is set to 'Rear Button'. The 'Key behavior' dropdown is set to 'Send key-code'. The 'Key-code' dropdown is set to 'None'. The 'Advanced' checkbox is unchecked.

Intent Screenshot: Shows the 'Create New Setting' dialog. The 'Mode' is set to 'Schedule sending of Intent on key presses'. The 'Key Identifier' dropdown is set to 'Rear Button'. The 'Keep Device Awake' checkbox is checked. The 'Action' dropdown is set to 'StartActivity'. The 'Android Action Name' is set to 'android.intent.action.CALL'. The 'MIME Type' is empty. The 'Package Name' is empty. The 'Class Name' is empty. The 'URI' is set to 'tel:+18885551212'.

DevTalk - What's New in Mobility DNA

Alert (Panic) button

- Demo on TC57
- Device configured to invoke Android intent:
 - Android.intent.action.CALL
 - URI: <tel:+18885551212>
 - This is the example in the documentation
 - Device is configured and button is long-pressed



StageNow

Profile Name:AlertButton

Barcode Type:PDF417

Minimum Compatible MX Version:10.2

Scan Barcodes with StageNow Client:

1



DevTalk - What's New in Mobility DNA

MX 10.2 Enhancements

- Beacon Manager – use with Device Tracker to locate a device which has been switched off
- Keypad tone configuration
- Bluetooth Manager pairing enhancements (single peripheral type at a time, silent pairing rules)
- Smart Leash configuration
- Adaptive brightness
- Intent: Send an Intent when a key is pressed
- Alert button action
- Keep device awake
- Feature-based licensing
- Touch panel menu option
- 802.11k
- 802.11mc (Fine Time Measurement - FTM)

DevTalk - What's New in Mobility DNA

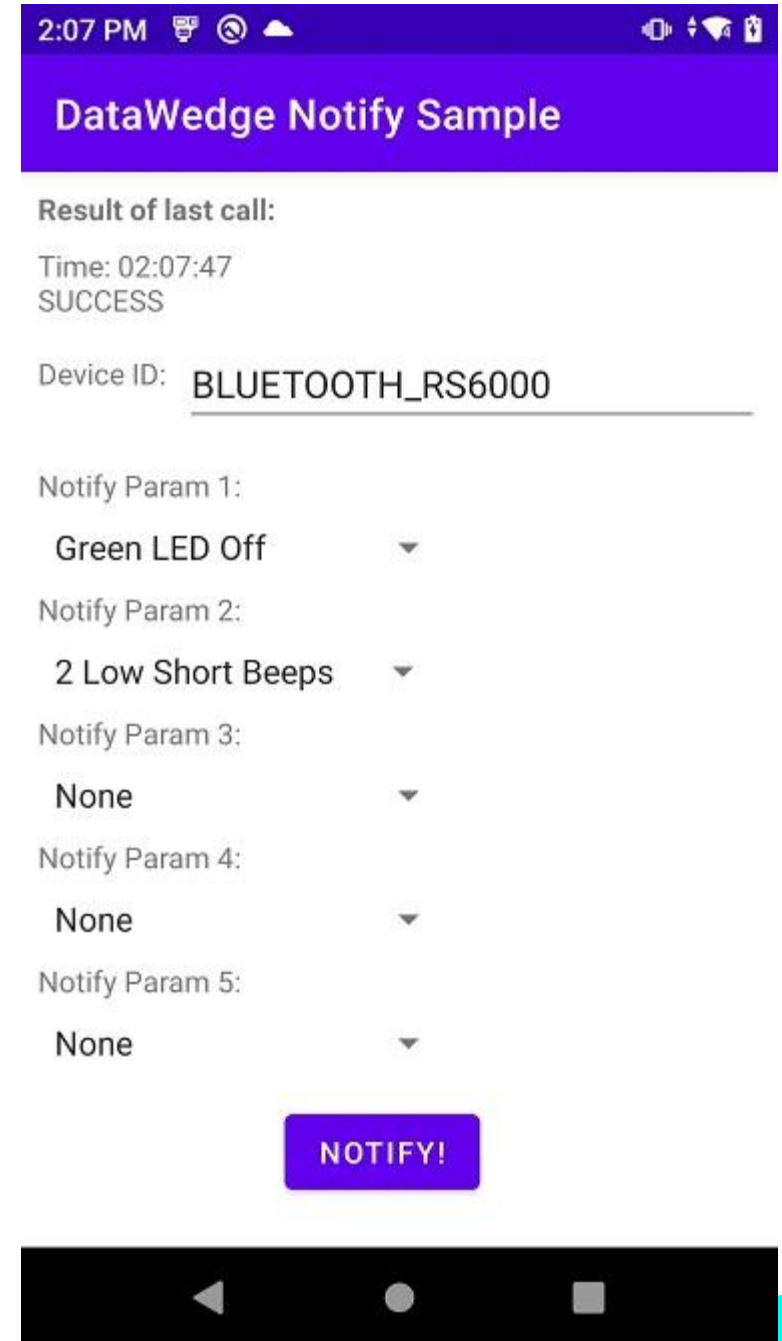
MX 10.1 Enhancements

- DataWedge “token” mechanism to restrict access to APIs
- Auto-rotation control
- EKB language selection
- File upload
- OS Streaming upload / download & authentication
- Battery saver control (off / on / automatic)
- RFID regional support: Ukraine, Morocco, Anguilla
- Show Battery percentage
- Worry-Free WiFi enhancements

DevTalk - What's New in Mobility DNA

Bluetooth Scanner Notifications

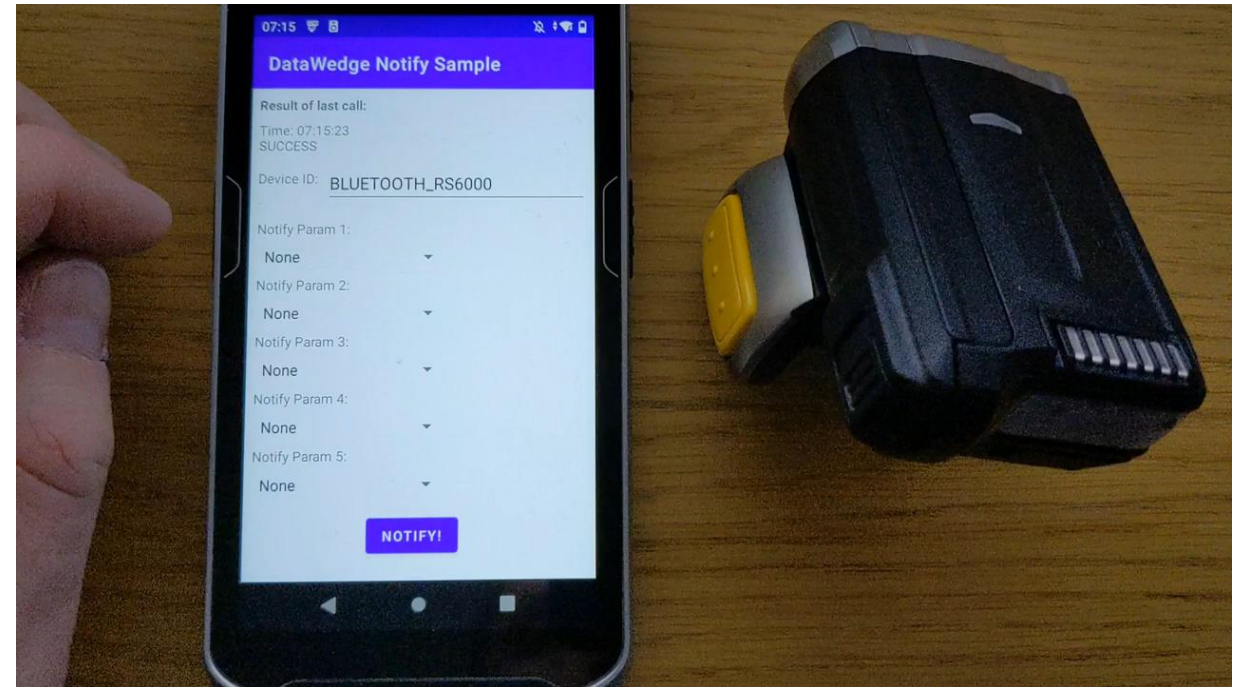
- New Intent-based API introduced in DataWedge 8.2
- Docs: <https://techdocs.zebra.com/datawedge/latest/guide/api/notify/>
- Allows programmatic control over the connected Bluetooth scanner's LEDs, beeper and vibrate function
- Supported scanners:
 - RS6000
 - RS5100
 - DS3678
- Replaces EMDK Notification API: <https://techdocs.zebra.com/emdk-for-android/8-0/api/reference/com/symbol/emdk/notification/package-summary.html>
- Unofficial sample app: <https://github.com/darryncampbell/DataWedge-Notify-Sample>



DevTalk - What's New in Mobility DNA

Bluetooth Scanner Notifications

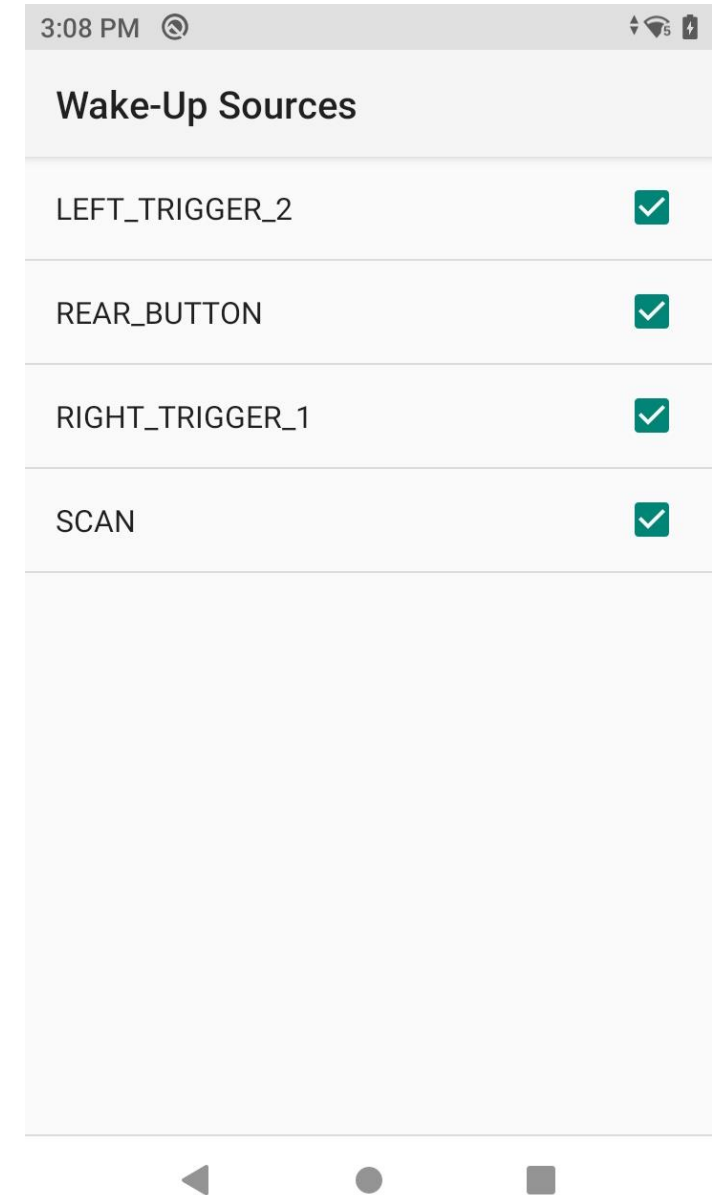
- Demo
 - TC52 running unofficial sample app:
<https://github.com/darryncampbell/DataWedge-Notify-Sample>
 - Connected to RS6000
 - Sample written in Kotlin but API is Intent-based so largely language agnostic
 - Choose from pre-defined beeper sequences
 - Stack up to 5 notifications (one of which may be an LED command)
- YouTube: <https://youtu.be/9lAqXa-aLeA>



DevTalk - What's New in Mobility DNA

New DataWedge Features: Wake up and Scan

- New feature in DataWedge 8.1
- Docs: Part of <https://techdocs.zebra.com/datawedge/8-2/guide/input/barcode/#readerparams>
- Enhancement to existing 'Wake-up sources feature'
- Used to trigger scanning when the device is in a suspended / screen-off state. **No need to separately wake the device up.**
- User presses the scanner: **Device is woken up and starts scanning automatically**
- Wakeup sources are configurable via Power Manager (or through device UI [*Right*])



DevTalk - What's New in Mobility DNA

New DataWedge Features: Wake up and Scan

- Wakeup sources are configurable via Power Manager [*Below*] (or through device UI)

Wake-up Key Identifier

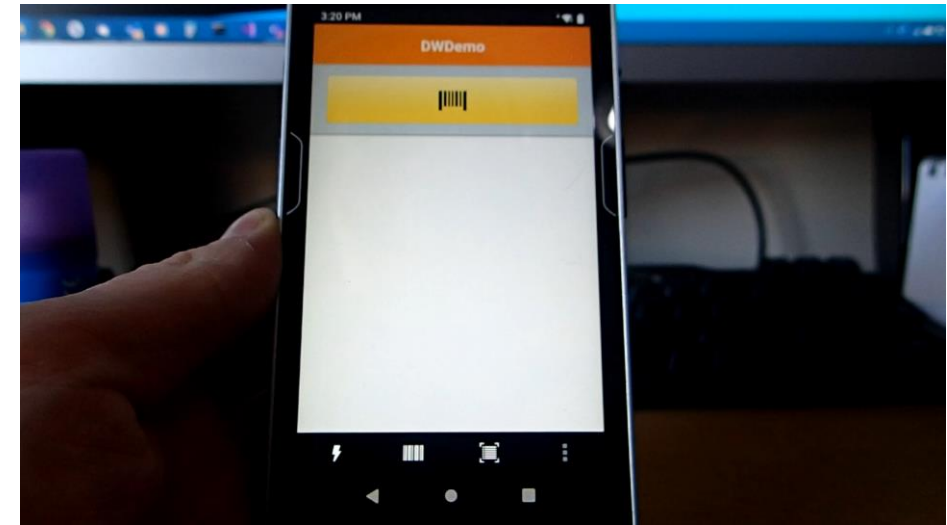
Used to select an individual device button to allow or prevent the device from waking from power-saving modes when the button (if so equipped) is pressed. Use this parameter when selecting an Action using the Wake-up Individual Action parameter.

Parm Name: WakeUpKeyIdentifier				
Option	Name	Description	Note	Requires
1	BUTTON_L1	Selects the button on the device's upper-left side.		MX: 9.2+
2	BUTTON_L2	Selects the button on the device's lower-left side.		MX: 9.2+
3	BUTTON_R1	Selects the button on the device's upper-right side.		MX: 9.2+
4	BUTTON_R2	Selects the button on the device's lower-right side.		MX: 9.2+
5	GUN_TRIGGER	Selects the button on the device's gun or grip trigger (if so equipped).		MX: 9.2+
6	REAR_BUTTON	Selects the button on the back or outward-facing side of the device (if so equipped).		MX: 9.2+
86	Custom	Allows use of a custom key identifier. See Custom Wake-up Key Identifier parameter.		MX: 9.2+

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New DataWedge Features: Wake up and Scan

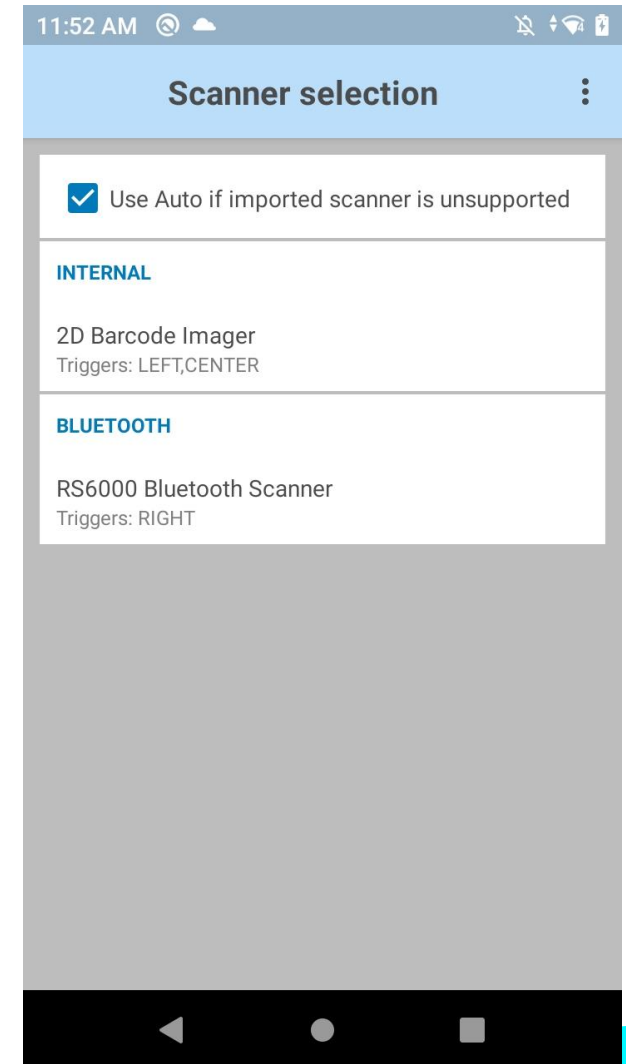
- Demo:
 - Pre-loaded DataWedge demo app
 - **Without** “Trigger Wakeup and Scan” reader param: Scanning **does not happen** with screen off
 - **With** “Trigger Wakeup and Scan” reader param: **Device is woken up** and scanning can happen
- YouTube: <https://youtu.be/b0psXg80vlg>



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New DataWedge Features: Use Multiple Scanners Interchangeably

- New Feature in DataWedge 8.2
- Use different device triggers to trigger different scanners
- Docs: <https://techdocs.zebra.com/datawedge/latest/guide/input/barcode/#scannerselection>
- Use case:
 - Have the left trigger use the imager and the right trigger use the camera
- Use case:
 - Control the Bluetooth scanner using a trigger on the Android device [*Right*]
- New “Scanner selection” menu is available under barcode input
 - Map hardware triggers to different scanners
- **Not to be confused with scanner auto selection**, whereby the internal imager will be automatically selected with a BT scanner disconnects.



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New DataWedge Features: Use Multiple Scanners Interchangeably

- Demo
 - TC52 connected to RS6000 scanner
 - By default left trigger on TC52 will activate the RS6000 scanner
 - Scanner selection modified to associate left trigger with Internal imager and RS6000 with right trigger
 - Both triggers now control individual scanners
 - DW Demo states the source of the scan
 - [Original video brightness is quite low, sorry!]
- YouTube: <https://youtu.be/zNU8FMjmKJ0>



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New DataWedge Features: NG SimulScan Document Capture

The following features enhance NG SimulScan Document capture. **The ability to create custom templates is rolling out soon.**

- Edge Detection / Full Documentation capture
 - Capture full page documents and crop to content. No longer rely on 'anchor barcodes'
 - <https://techdocs.zebra.com/datawedge/latest/guide/input/barcode/#documentcapture>
 - Feature teaser video: <https://youtu.be/Dl8pxsTJdtI>
- Signature presence detection
 - Detect whether a signature was present in a specified area
 - Note: This is not the signature decoder, this is the Signature area of a NG SimulScan document
 - <https://techdocs.zebra.com/datawedge/latest/guide/programmers-guides/content-provider/#parameters>
 - Feature teaser video: <https://youtu.be/4vS5Y2q9Vkg>

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New DataWedge Features: NG SimulScan Document Capture

The following features enhance NG SimulScan Document capture. **The ability to create custom templates is rolling out soon.**

- Read specific barcodes from multi-barcode form
 - Define criteria or pattern for barcodes to capture (e.g. length / symbology)
 - Coming early 2021
 - Feature teaser video: <https://youtu.be/5Kr8h-Cke6k>

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Resources

- YouTube playlist of videos shown in this presentation:
https://www.youtube.com/playlist?list=PLj8D9Diz5FBoJKn_LYX0pHOpBOeZJkmtF
- New Mobility DNA features: <https://techdocs.zebra.com/mdna/>
- All Mobility eXtensions: <https://techdocs.zebra.com/mx/>
- TechDocs: <https://techdocs.zebra.com/>

Questions?



<http://developer.zebra.com>



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