OEMConfig 9.3
Release Notes – December 2019

Highlights
Support for MX 9.3 features

Device Support
- Supports all Zebra devices running Android 7.x Nougat, Android 8.x Oreo
- Supports devices available as of Dec. 31, 2019 running Android 9.x Pie

New in OEMCONFIG 9.3
- OemConfig Schema should not specify default values for non-hidden fields
- Supports MX 9.3, adding the following features and enhancements:
  - Applications can now be configured to handle background data on a per-app basis
  - Bluetooth now allows rules to be enforced based on Bluetooth MAC address
  - GMS Configurations can now activate limited set of GMS apps
  - GPRS Configurations now support APN protocol roaming
  - Power Configurations can now control individual device wake-up sources such as buttons or keycodes
  - Audio Configurations now allow selection of whether the device plays a sound when a battery charger is connected

IMPORTANT: The MX features listed above are supported ONLY on devices with MX 9.3 and higher.

For a detailed list of configuration parameters, please see OEMConfig Managed Configurations section on TechDocs.

Resolved Issues
- Transaction ID no longer contains unprintable characters

Usage Notes
- Due to changes in the Google managed configuration specification, the schema for OEMConfig 9.3 (and higher) includes default values ONLY for hidden restriction types; the Zebra schema no longer includes default values for non-hidden restriction types.
- OEMConfig can now be downloaded from the Google Play Store
- OEMConfig was built with Android API level 28
- OEMconfig can be tested using broadcasting intent:
adb shell am broadcast -a com.android.vending.APPLICATION_RESTRICTIONS_CHANGED -n com.zebra.oemconfig.common/.BootCompleteReceiver

- EMMs with partnership with Google must download the OEMConfig app from the Google Play Store, from which they can then pull the OEMConfig restrictions for application to Zebra devices
- OEMConfig 9.3 supports devices with MX 9.2 and higher (MX 9.3 features require MX 9.3 on device)

**Known Issues**

- None

**Important Links**

- OEMConfig documentation
- MX documentation

**About OEMCONFIG**

Zebra OEMConfig is an administrative tool for configuring Zebra Android devices using Android Managed Configurations. To configure a feature for which no Android Enterprise API is available, Managed Configurations is the only available method based on publicly available specifications developed by Google and the Android community. OEMConfig interfaces with Zebra’s Mobility Extensions Management System (known simply as MX), an XML-based communication framework for managing the capabilities and behaviors of Zebra Android devices.

Over time, many of the capabilities once available only through proprietary mechanisms such as MX have been added by the Android development community. Starting as “Android for Work,” these capabilities are now available as “Android Enterprise” APIs or Android Managed Configurations, both of which are based on publicly available specifications. Zebra is adopting both as part of the natural evolution of its device management system.

OEMConfig provides a single interface for managing Zebra Android devices regardless of the underlying APIs required to get the job done. OEMConfig works through Android Enterprise APIs when possible, and uses Managed Configurations when no Android Enterprise API is available.

OEMConfig and the Zebra schema are available from the Google Play Store and must be used together to configure Zebra Android devices. The Schema defines the functions available for configuration and provides the data necessary to present the corresponding data-driven UI for configuring those functions. This mechanism allows Zebra to make a new Schema available as soon as new features are developed.