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Android Zero Touch Enrollment to Microsoft Intune

AGENDA

Android Enrollment Options | DA to AE Migration

Android Enrollment Methodologies

Zero Touch Enrollment: The 'WHY'

Advantages and Comparison

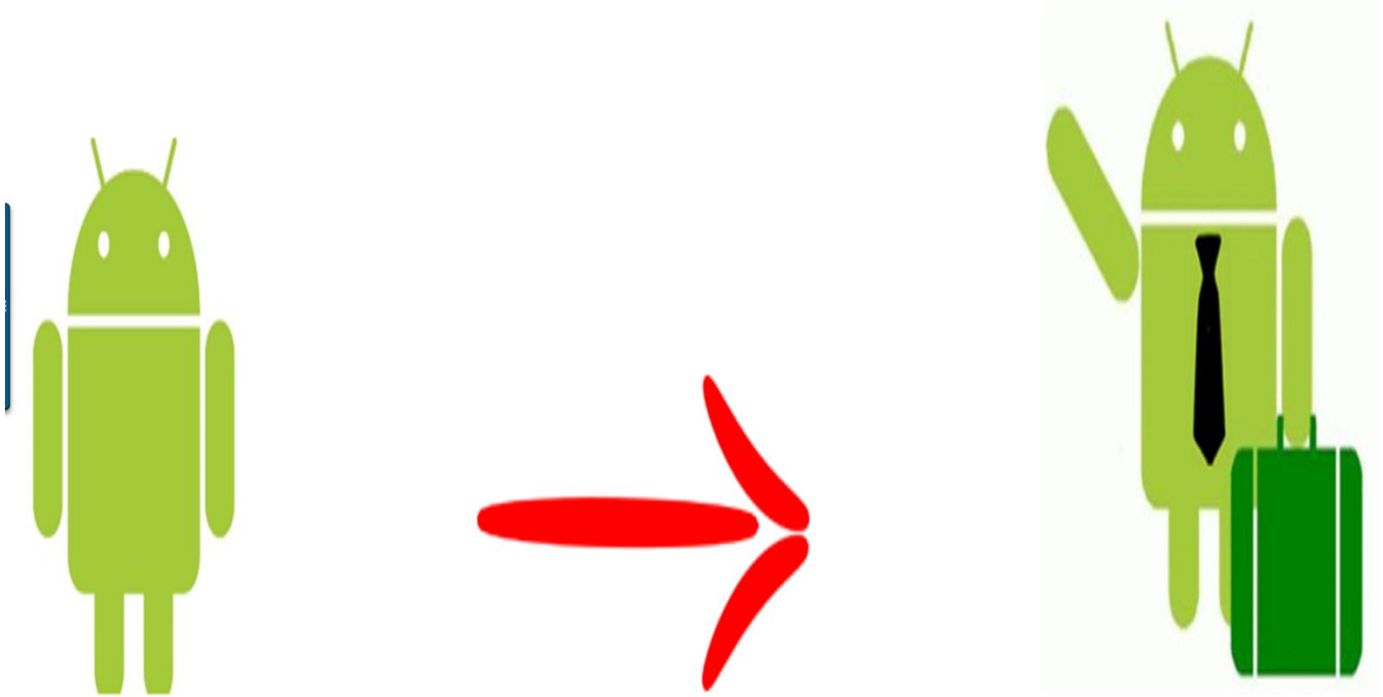
Steps for Google ZTE

Sneak-Peek into Google ZTE Portal

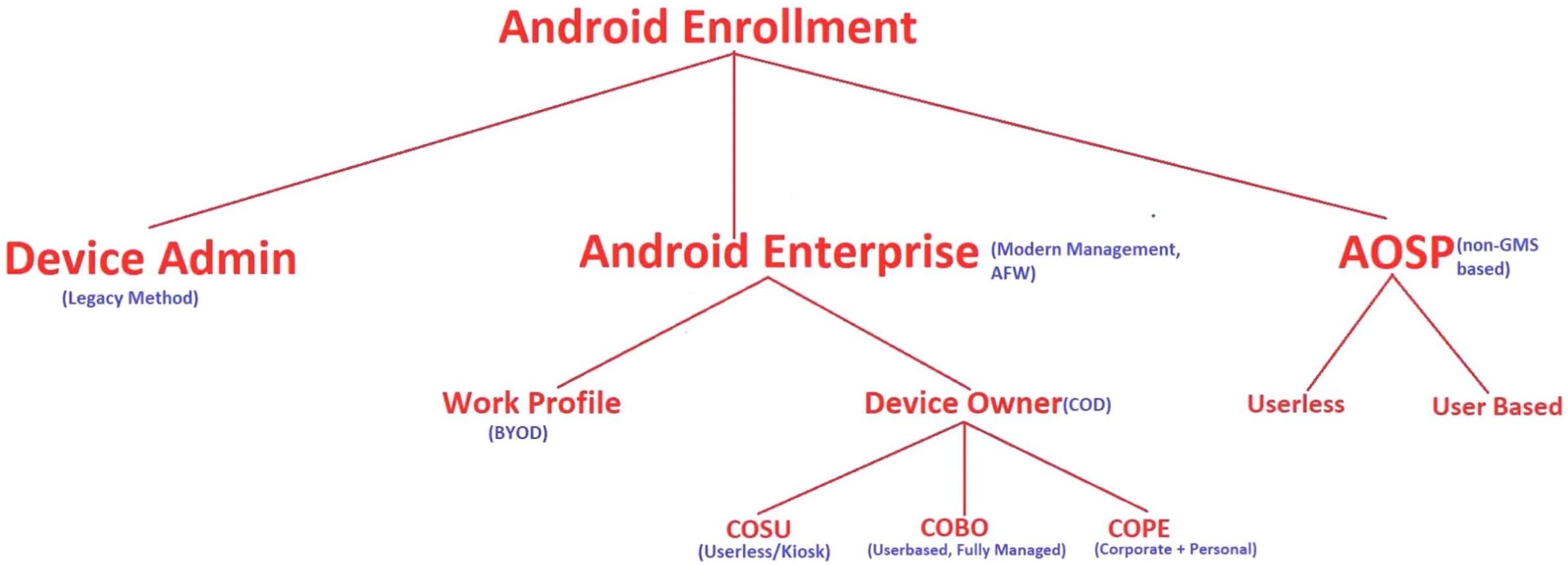
ZTE with Samsung KNOX

Understanding the Android Device management Lifecycle

More Details

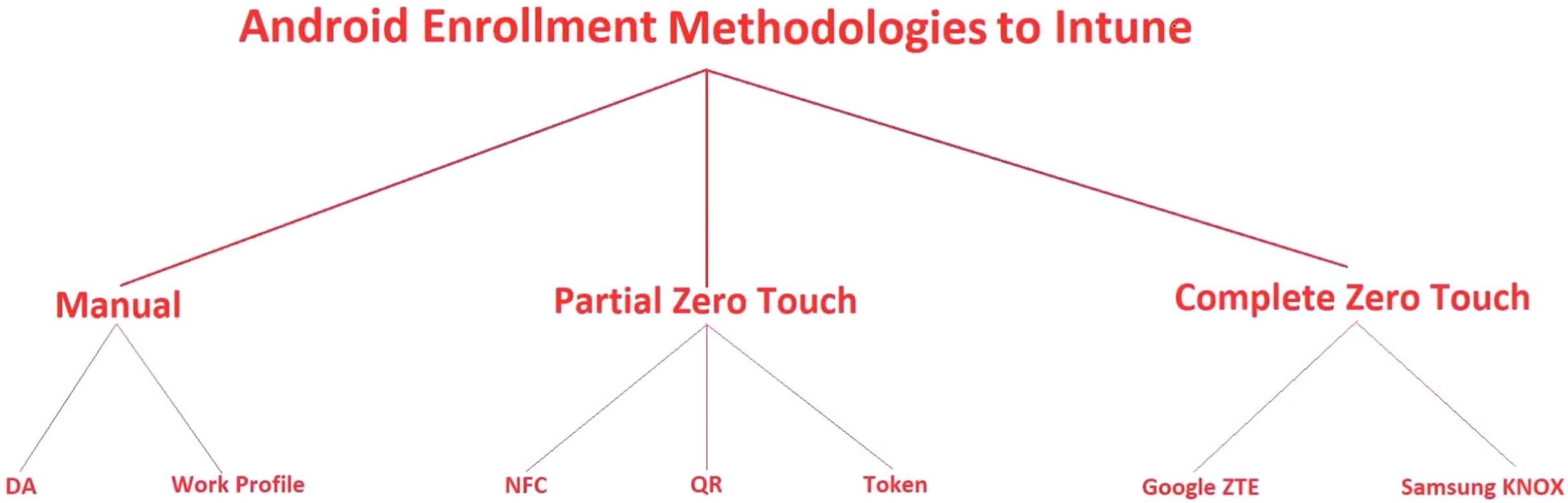


Android Enrollment Options



Android Enterprise Enrollment Options on Device Level

Android Enrollment Methodologies In Intune



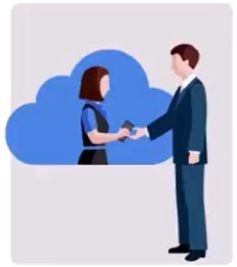
The ‘WHY’

- Mass device provisioning is a cumbersome task
- Lot of IT overhead
- Risk of devices being used personally

Background

Purchase

Device purchased from zero-touch carrier or reseller.

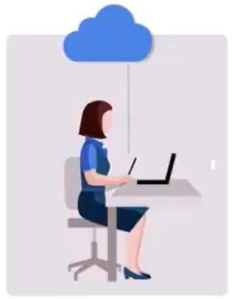


Assign

Assign the device to a user using zero-touch platfrom.

Configure

Configure mobility policies for the device using EMM platform.



Deploy

When device gets switched on, enrollment and deployment of policies gets triggered.

ZTE: A streamlined process for provisioning Android devices out-of-the-box

Device is enrolled on first boot

Seamless, Fast and large-scale deployment

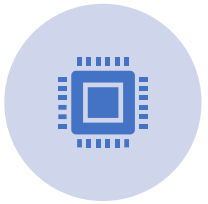
Advantages

Sophisticated method for enrolling Android devices into enterprise management without manual intervention or Admins

Devices are preconfigured and delivered to users

Promises consistent configuration across all the devices

Ensures devices adhere to security policies



IT admins stay in control: Even after Factory reset of the device

End user gets the joy of unboxing

Comparison

Similar to Autopilot/DEP Provisioning.

Steps for Google ZTE

Purchase devices from Authorized Reseller/Vendor/Partner and they will create a customer account in Android Partner portal

Resellers/vendors upload the device details(IMEIs or Serial Numbers) to ZTE Portal

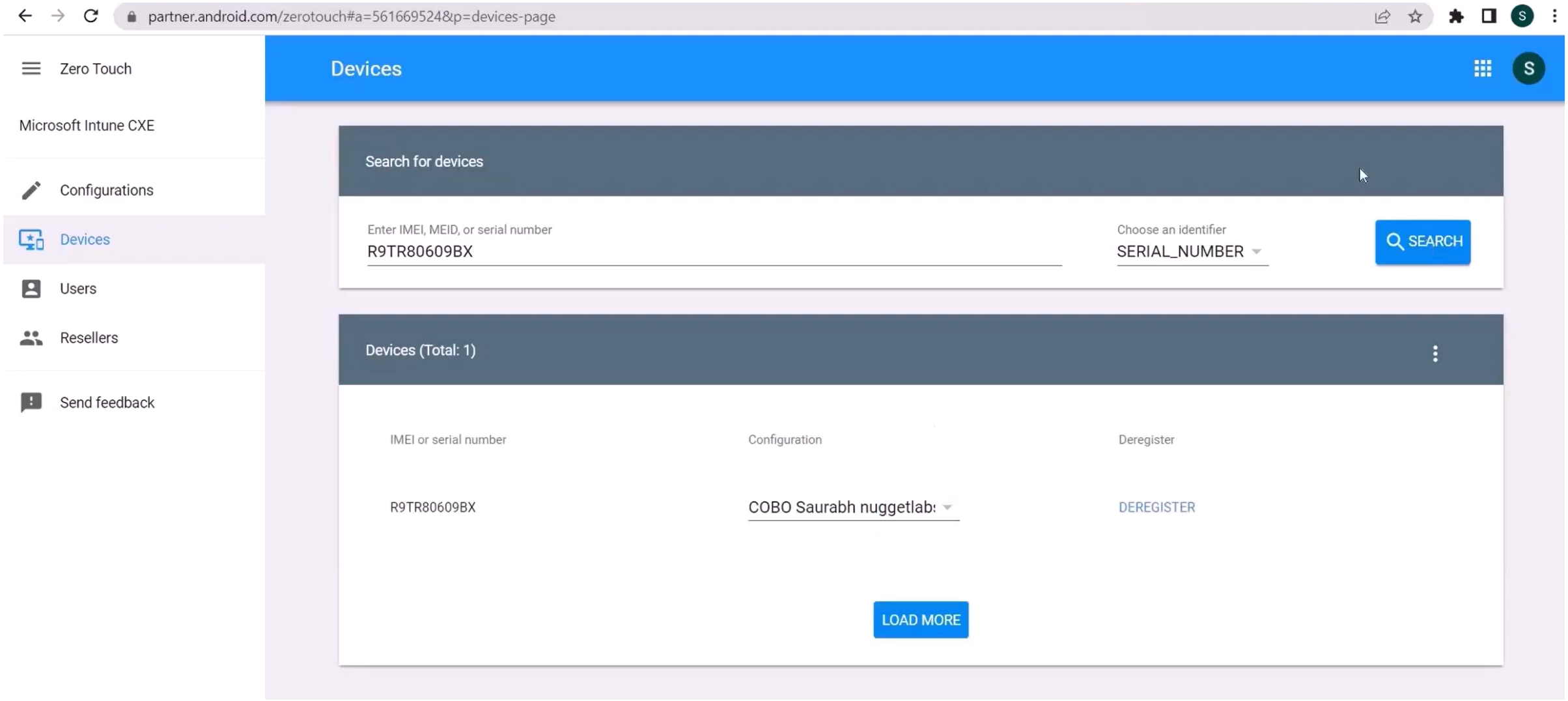
Admins can view the Devices added in the portal

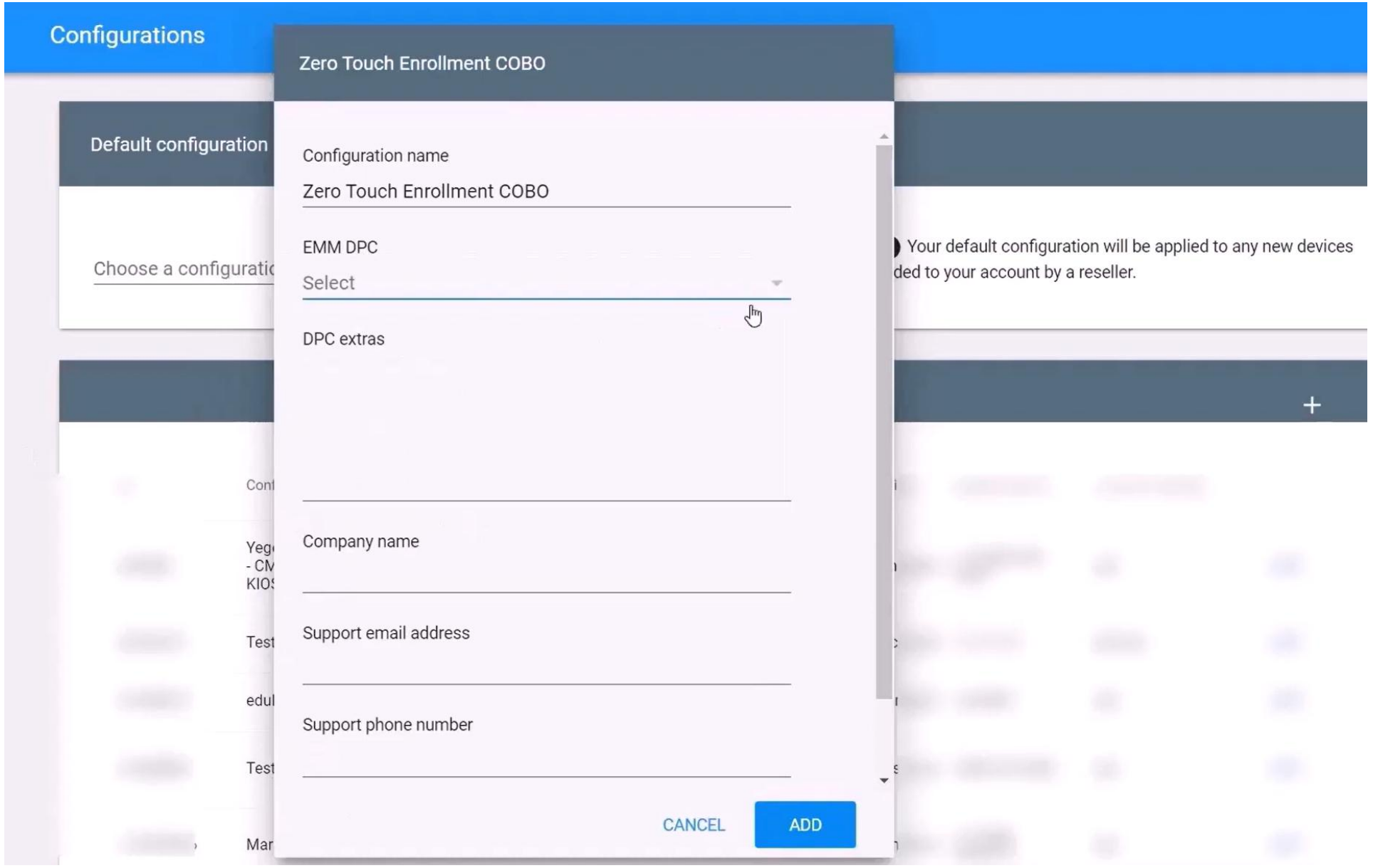
Intune Admin can integrate Intune to ZTE portal and this will be the default Configuration which will be assigned to the devices in ZTE portal

Intune admins create required Configuration profiles and assign it to the Dynamic groups

Devices now shipped to the end users and are ready for onboarding to Intune

Sneak peek into the Google ZTE Portal




Configurations
Default configuration
Choose a configuratio
Your default configuration will be applied to any new devices
ded to your account by a reseller.
Zero Touch Enrollment COBO
Configuration name
Zero Touch Enrollment COBO
EMM DPC
Select
DPC extras
Company name
Support email address
Support phone number
CANCEL
ADD

ZTE with Samsung KNOX

- You must have a Samsung Knox account to access Knox Mobile Enrollment services in the Knox Admin Portal.
  - Samsung Knox accounts require approval from Samsung, which can take one to two business days.
- Create a profile in the Knox Admin Portal with JSON:
  - {"com.google.android.apps.work.clouddpc.EXTRA_ENROLLMENT_TOKEN": "enter Intune enrollment token string"}

Upload devices
Upload your devices to the Samsung Knox portal. Supported upload methods include:

- Samsung-approved resellers
- Knox Deployment App

Enroll devices in Microsoft Intune with Samsung Knox Mobile Enrollment

Article • 12/02/2023 • 10 contributors

Feedback

In this article

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Important

Microsoft Intune is ending support for Android device administrator management on devices with access to Google Mobile Services (GMS) on December 31, 2024. After that date, device enrollment, technical support, bug fixes, and security fixes will be unavailable. If you currently use device administrator management, we recommend switching to another Android management option in Intune before support ends. For more information, see Ending support for Android device administrator on GMS devices.

Use Samsung Knox Mobile Enrollment as a tool to bulk enroll enterprise devices in Microsoft Intune. Knox Mobile Enrollment enables device enrollment to happen straight out-of-the-box after you turn on the device. Enrollment is supported for the following Android Enterprise device types:

- Dedicated devices
- Fully managed devices
- Corporate-owned devices with a work profile

You must have a Samsung Knox account to access Knox Mobile Enrollment services in the Knox Admin Portal. Samsung Knox accounts require approval from Samsung, which can take one to two business days.

Create profile

To use Microsoft Intune and Knox Mobile Enrollment together, create a profile in the Knox Admin Portal. Add Microsoft Intune to the profile as your enterprise mobility management (EMM) solution.

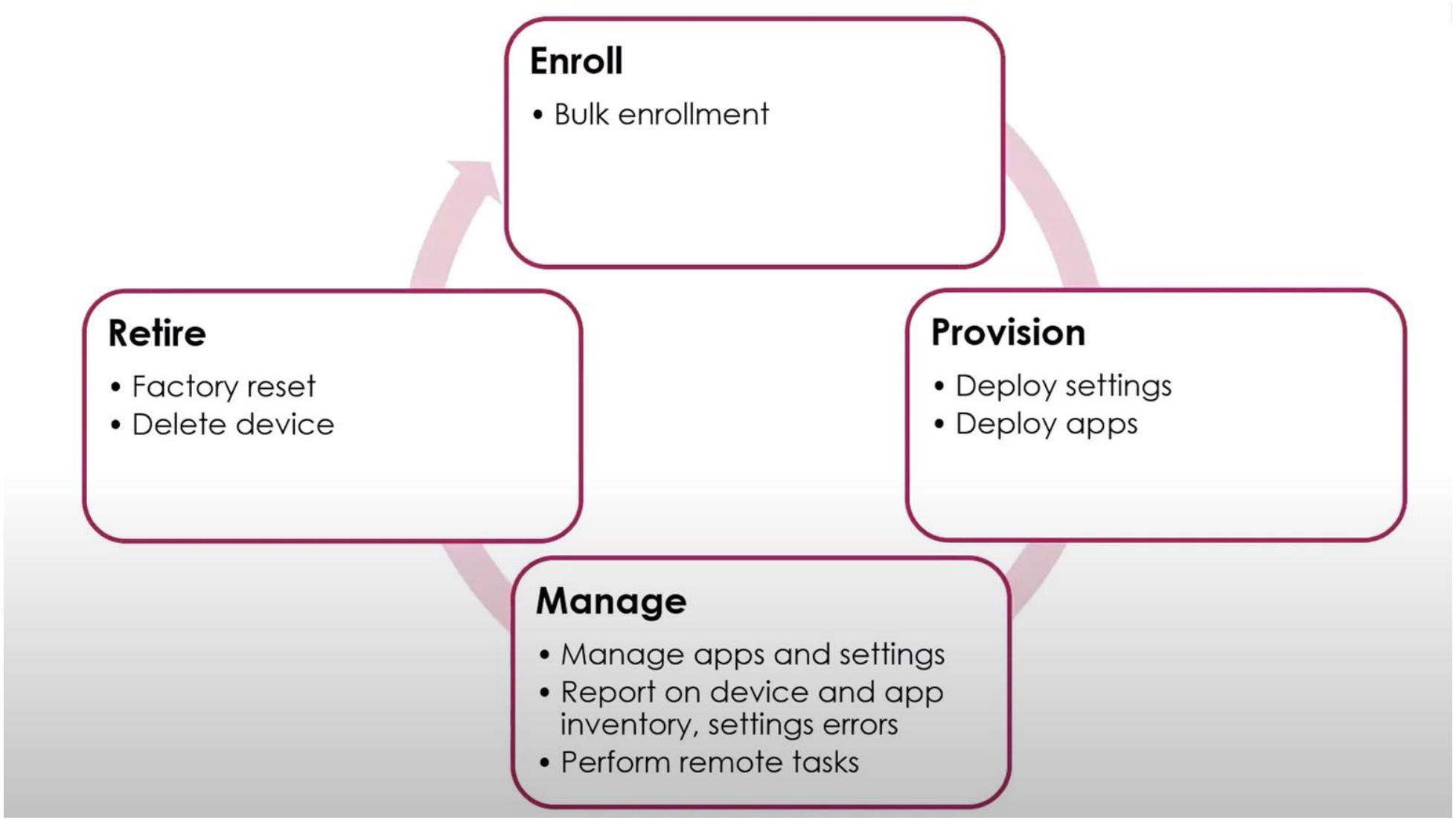
Custom JSON data appears optional in the Knox Admin Portal, but Microsoft Intune requires it for a successful enrollment. Enter the following JSON data:

```
{"com.google.android.apps.work.clouddpc.EXTRA_ENROLLMENT_TOKEN": "enter Intune enrollment token string"}
```

Add your enrollment token to the string where indicated. Additionally, configure these device settings in the profile:

- **QR code for enrollment** (optional): Add a QR code to speed up device enrollment.
- **System applications**: Leave all system apps enabled to ensure all apps are available in the profile. If you don't select this value, some default system apps are excluded from the apps tray.
- **Company name**: Enter your organization's name. The name appears onscreen during device enrollment.

Android Device Management LifeCycle



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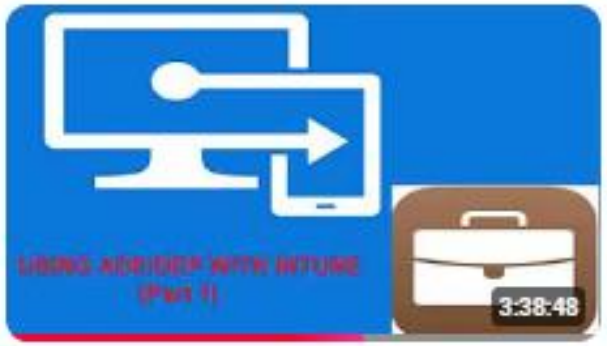

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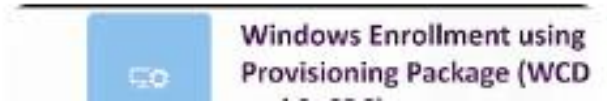

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YOU