

# **Agenda**



- 1. Pre-requisites for Knox Platform for Enterprise
- 2. Configure Android Enterprise
- 3. Android Enterprise Deployment Modes
  - BYOD
  - Company-owned Device
  - Fully Managed Device with a Work Profile
  - Dedicated Device
- 4. Managed Google Play [MGP] Configuration
- 5. AppConfig in MobileIron Core UEM
- 6. Configure Knox Platform for Enterprise: Standard Edition
- 7. Configure Knox Platform for Enterprise: Premium Edition
- 8. Configure Knox Service Plugin [KSP]

#### **MobileIron Collateral & Contacts**



Contacts:

sruk.rtam@samsung.com

Knowledge Base:

https://help.mobileiron.com/

# **Pre-Requisites for Knox Platform for Enterprise**

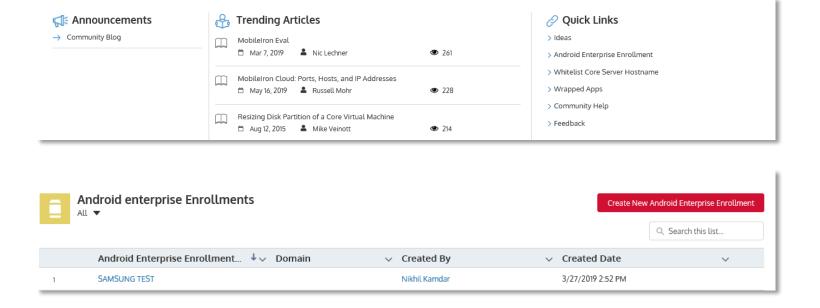


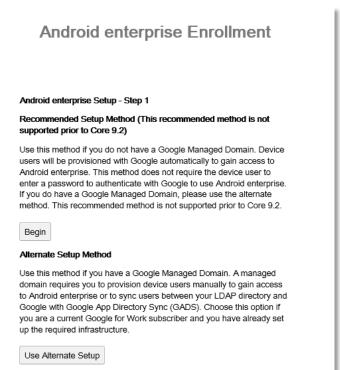
- 1. Obtain access to MobileIron Core UEM console
- 2. A Gmail account to map to MobileIron Core for Managed Google Play
- 3. MobileIron Customer Portal Access
- 4. Consider what enrollment method to use:
  - Knox Mobile Enrollment (KME)
  - QR Code enrollment
  - Email enrollment
  - Server details enrollment



#### Configure Android Enterprise

• Log into the MobileIron Customer Support Portal. Navigate to: Homepage -> Bottom of page -> (Quick Links) Android Enterprise -> Create New Android Enterprise Enrollment -> Begin



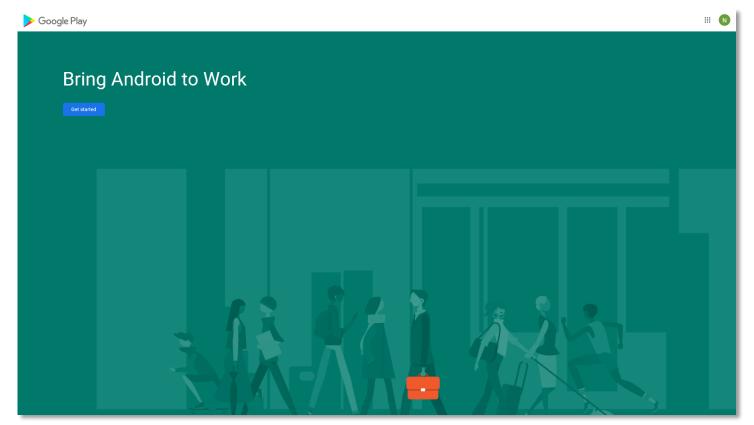




#### Configure Android Enterprise

- Click on submit and make sure that you have signed into the Google Account that you would wish to bind.
- MobileIron Customer Support Portal will forward you to the Google Android Enterprise binding page. Click 'Get started'

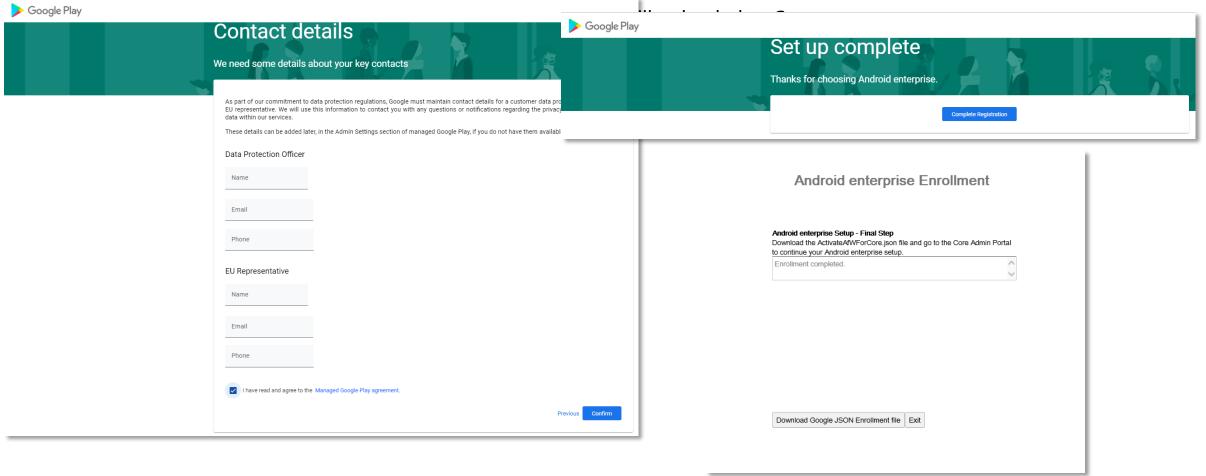






#### Configure Android Enterprise

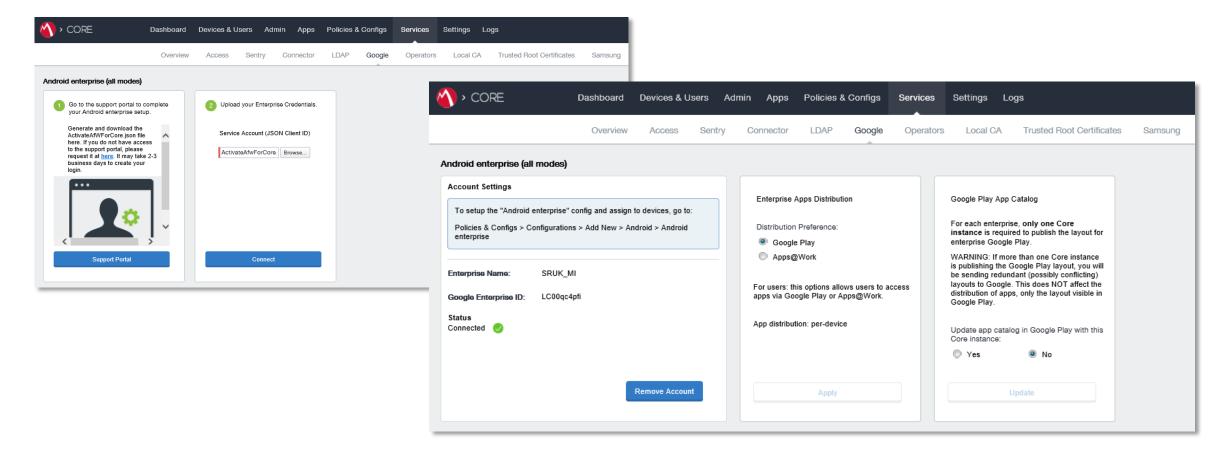
- Fill out the Contact details page, tick the Managed Google Play agreement page and then select Confirm. These text fields
  are not mandatory, so you can alternatively leave them blank and just tick the Managed Google Play agreement and then
  select Confirm.
- Click Complete Registration to complete the Android Enterprise configuration and return to MobileIron Customer Support Portal.





#### Configure Android Enterprise

- Log into the MobileIron UEM console and navigate to Services -> Google
- Here you can bind MobileIron to Android Enterprise using the JSON file created in the last step.
- Once the JSON file has been selected under 'Upload your Enterprise Credentials' and then 'Connect' Android Enterprise is bound.



## **Android Enterprise Deployment Modes**

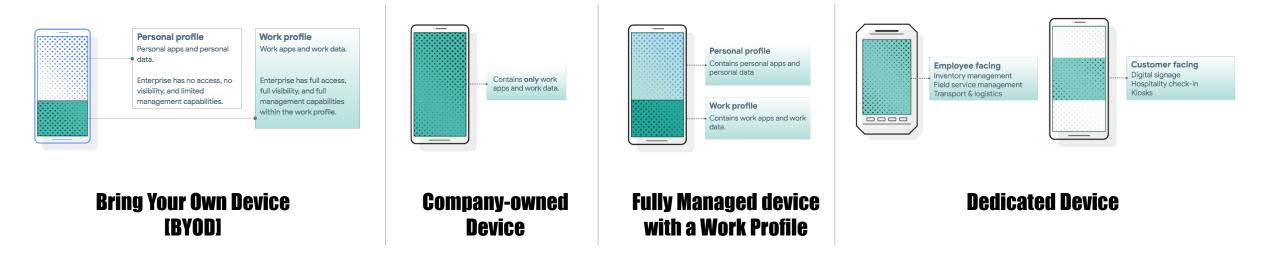


**Deployment Modes** 

Android Enterprise can be deployed in the following 4 deployment modes

- **1. BYOD** [formerly known as Profile Owner]
- 2. Company-owned Device [formerly known as Device Owner]
- **3.** Fully Managed device with a work profile [formerly known as COMP]
- **4.** Dedicated device [formerly known as COSU]

MobileIron UEM can support **all** 4 of these deployment modes. In this next section we will show you how to configure each of these 4 deployment modes in MobileIron UEM for your device fleet.



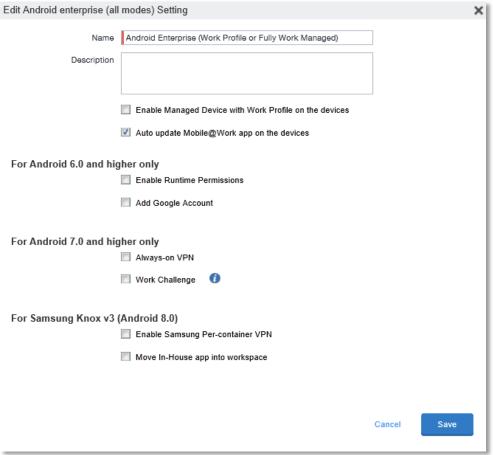
## **Android Enterprise: BYOD (Work Profile)**



Android Enterprise BYOD Deployment

To enroll a device in the Android Enterprise BYOD deployment type, you simply need to create a 'Android Enterprise Setting' configuration.

- Go to Policies & Configs-> Configurations-> Add New-> Android -> Android Enterprise
- Give the configuration a name and save it.
- By having this config, it enabled BYOD and Company-owned
- Apply this config to a label.



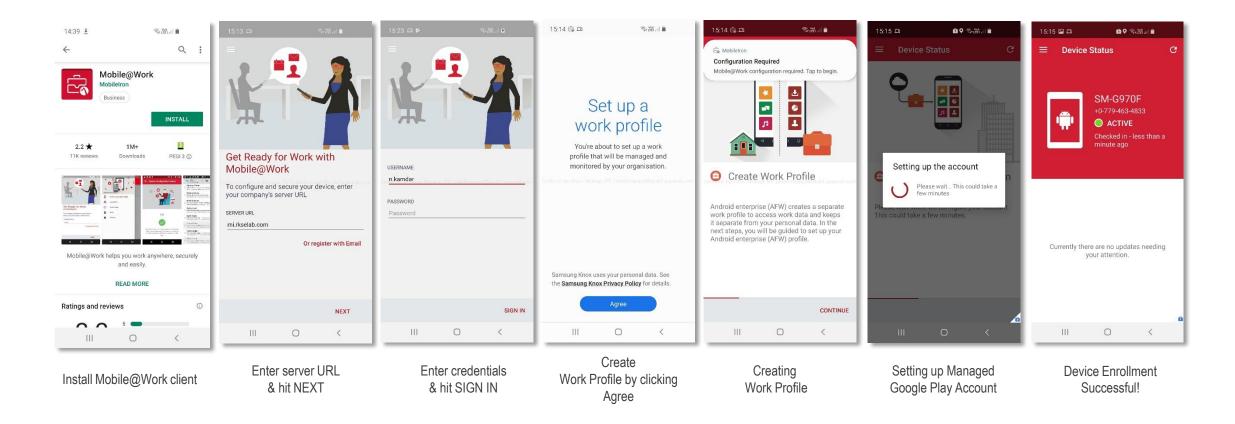
#### **Android Enterprise: BYOD**



Android Enterprise BYOD Deployment

Now all you simply need to do is enroll your device by completing the following:

• On your device, go to the Google Play Store, download the Mobile@Work client, and enroll your device into MobileIron.



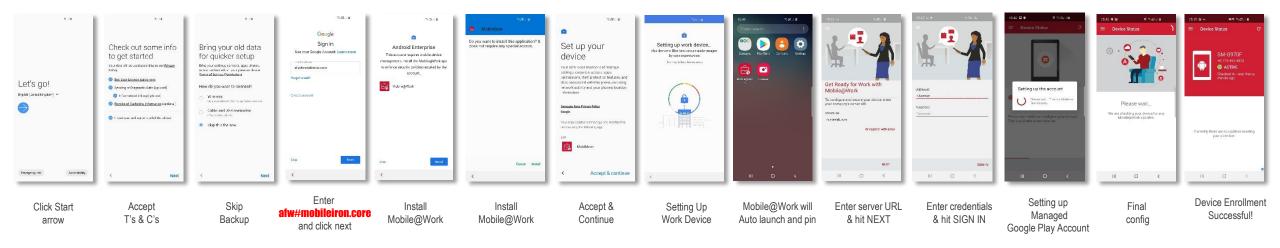
# **Android Enterprise: Company-owned Device**



Android Enterprise Company-owned Device Deployment

To enroll your device as an Android Enterprise Company-owned device, you need to ensure the device is factory reset and at the welcome screen. From here, there are 3 ways you can enroll your device into MobileIron Core UEM as an Android Enterprise Company-owned device. Use the same 'Android Enterprise Setting' configuration but start from a factory reset device.

- 1. DPC Identifier [Also known as the hashtag method] **afw#mobileiron.core**
- 2. QR Code Enrollment / NFC Enrollment
- 3. Knox Mobile Enrollment
- Below is a screen-by-screen play to enroll your device using the DPC Identifier method.



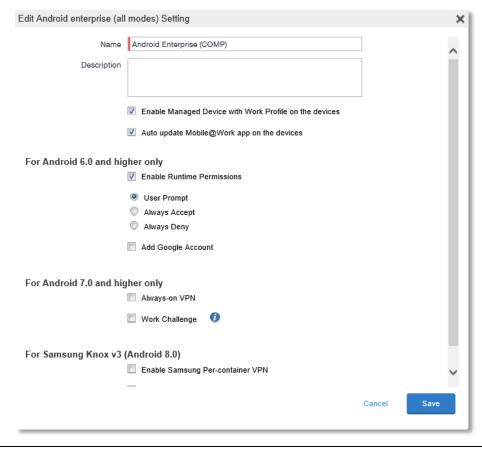
# **Android Enterprise: Fully Managed Device with a Work Profile**



Android Enterprise Fully Managed Device with a Work Profile Deployment

To enroll a device in the Android Enterprise Fully Managed Device with a Work Profile Deployment type, the final pre requisites is to modify the 'Android Enterprise Setting' configuration to look like the below...

- You must click on the checkbox 'Enable Managed Device with Work Profile on the devices'
- This needs to be in a separate 'Android Enterprise Setting' configuration if you need more than one set of devices enrolling as 'Company-owned Devices' & 'Fully Managed Device with a Work Profile'.



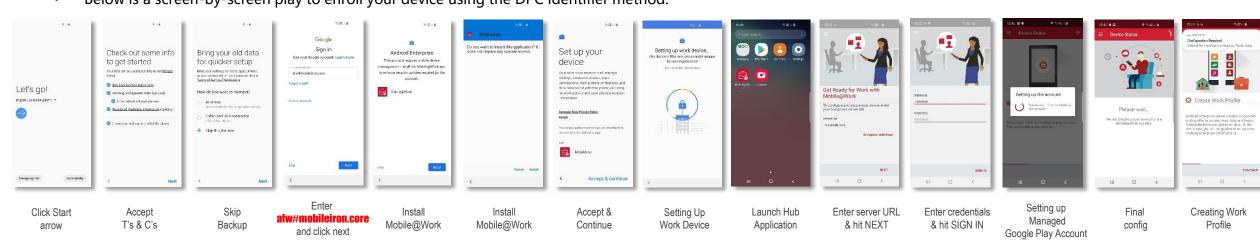
## **Android Enterprise: Fully Managed Device with a Work Profile**

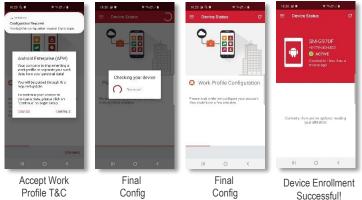


Android Enterprise Fully Managed Device with a Work Profile Deployment

To enroll your device as an Android Enterprise Fully Managed Device with a Work Profile, you need to ensure the device is factory reset and at the welcome screen. From here, there are 3 ways you can enroll your device into MobileIron Core UEM as an Android Enterprise Company-owned device.

- 1. DPC Identifier [Also known as the hashtag method] afw#mobileiron.core
- 2. QR Code Enrollment / NFC Enrollment
- 3. Knox Mobile Enrollment
- Below is a screen-by-screen play to enroll your device using the DPC Identifier method.





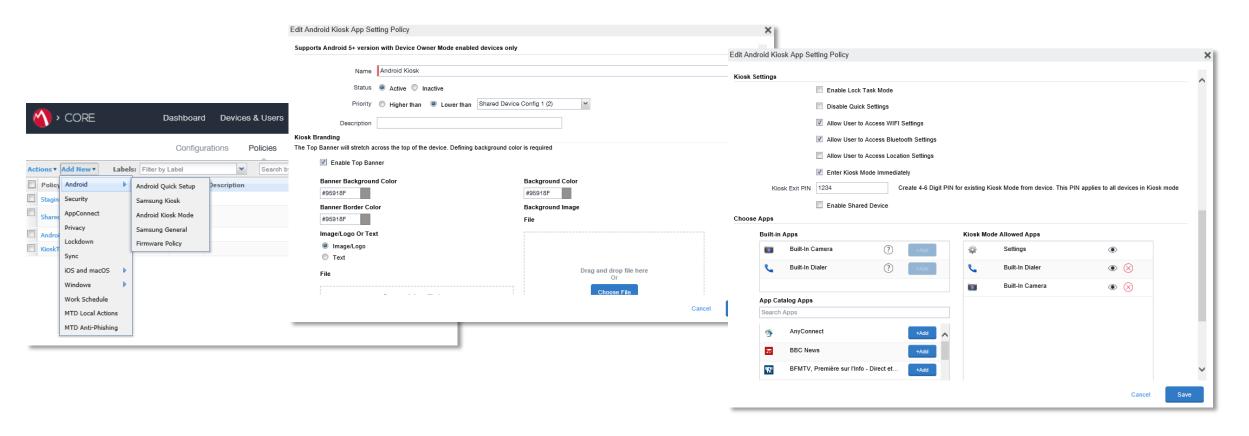
#### **Android Enterprise: Dedicated Device**



#### Android Enterprise Dedicated Device Deployment

To enroll a device in the Android Enterprise Dedicated Device deployment type, you must have the 'Android Enterprise Setting' configuration applied to your label. Also you need to apply the 'Android Kiosk Mode' to your label.

- Go to Policies & configs -> Policies -> Add New -> Android -> Android Kiosk Mode
- Here you can configure branding, restrictions and apps that you would like to be in your Android Enterprise Kiosk



#### **Android Enterprise: Dedicated Device**



Android Enterprise Dedicated Device Deployment

The Android Enterprise Dedicated Device deployment is part of the Company-owned Device Deployment where the Kiosk is a bolt on feature on top.

Once you have done this you than then enroll your device. To enroll your device, you need to ensure the device is factory reset and at the welcome screen. From here, there are 3 ways you can enroll your device into MobileIron UEM as an Android Enterprise Dedicated device.

- 1. DPC Identifier [Also known as the hashtag method] afw#mobileiron.core
- 2. QR Code Enrollment / NFC Enrollment

Kiosk is fully

configured

Accept the usage

Of the kiosk

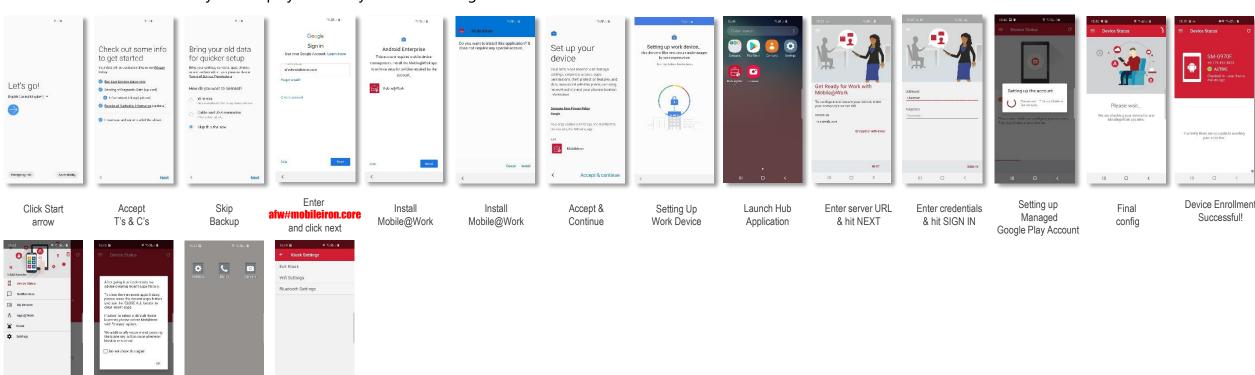
Mobile@Work client

You can start Kiosk

As an admin you can exit

The kiosk using a PIN

- 3. Knox Mobile Enrollment
- Below is a screen-by-screen play to enroll your device using the DPC Identifier method.



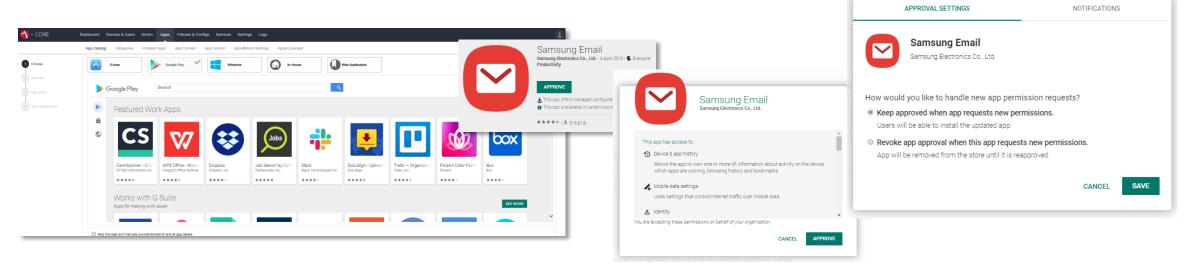
## **Managed Google Play Configuration**



#### Managed Google Play Configuration

In the Configuring of Android Enterprise section of this document, we completed the majority of the work needed to configure applications to be used for Managed Google Play. MobileIron Core UEM supports the Google iFrame directly within the console. So there is no need to navigate to <a href="https://play.google.com/work">https://play.google.com/work</a> for managing Google play applications.

- Navigate to Apps -> Add+ -> Google Play
- Search for the App you want to distribute. For example; Samsung Email
- Click the APPROVE button.
- APPROVE the App Permission request
- Choose how you would like to handle new app permission requests and then click SAVE
- You will now see your app lists in your MobileIron App Catalog
- You must do one more step to make it deployable to an Android Enterprise enabled device.



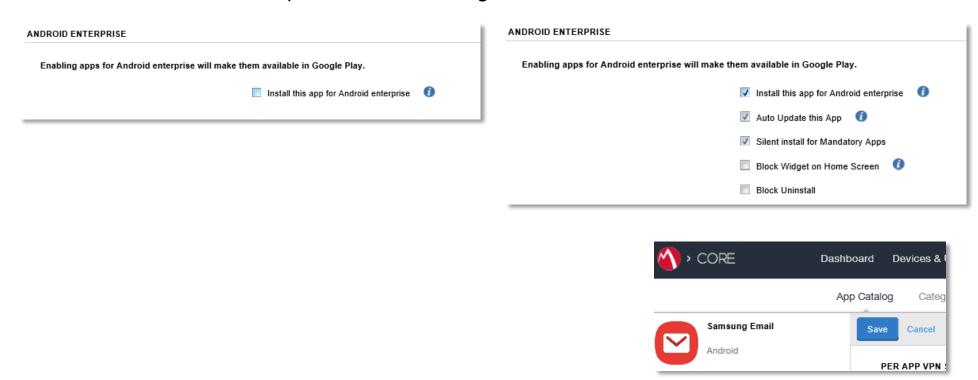
# **Managed Google Play Configuration**



#### Managed Google Play Configuration

You must navigate to the target app via Apps -> App Catalog -> Click on app -> Edit -> Scroll to the 'Android Enterprise' section -> select 'Install this app for Android enterprise'

- There are a few configuration you can set for the Android Enterprise app, select what is needed.
- Once the below has been completed, save the config.



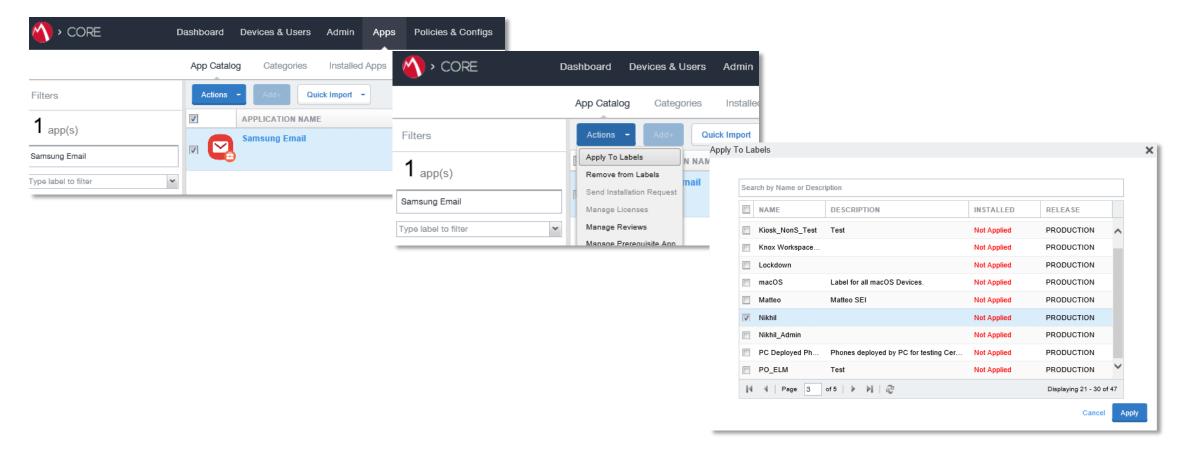
# **Managed Google Play Configuration**



Managed Google Play Configuration

Now we have approved an application we would like to distribute in MobileIron Core.

- Simply select the checkbox next to the app then click on Actions -> Apply to Labels -> select your target label -> Apply
- Depending on the app config attributes the app will now automatically start to download and install on the device.



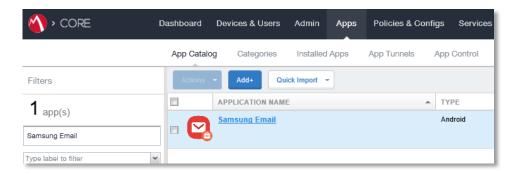
## **AppConfig on MobileIron Core UEM**

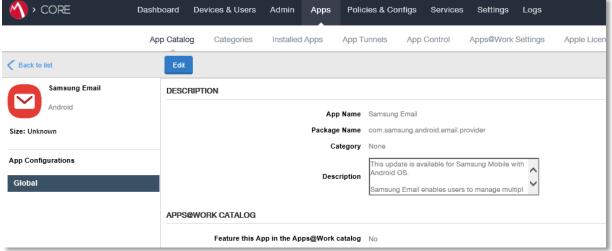


#### AppConfig

AppConfig enables you to send down application configuration profiles along with your managed apps when you distribute them through your Managed Google Play Store. This saves on having to have the UEM implement the required APIs for the app you are using so you can remotely configure it. To use AppConfig on MobileIron Core UEM, follow the below instructions.

Navigate to Apps -> App Catalog -> Click on the app you would like to configure -> Edit



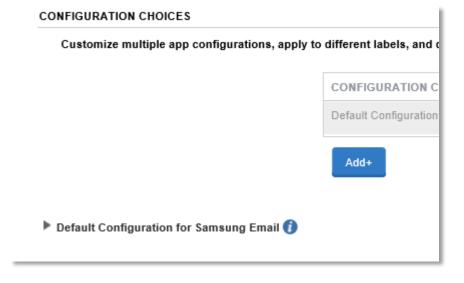


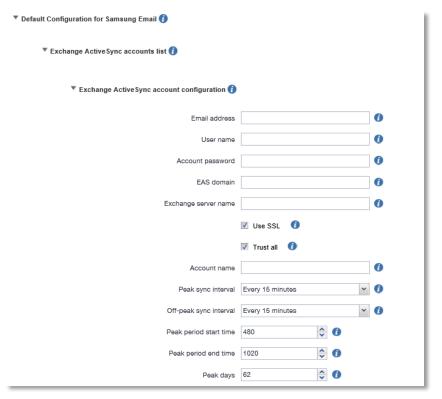
## **AppConfig on MobileIron Core UEM**



#### AppConfig

- Scroll down to the 'Configuration Choices' section
- Expand 'Default Configuration for xxx' & configure the various options you wish and then when you are finished, click the Save button.
- Confirm the assignment by clicking Save. You have now used AppConfig to distribute a Managed Play app with a config profile.





# **Configure Knox Platform for Enterprise: Standard Edition**



Knox Platform for Enterprise: Standard Edition

The Knox Platform for Enterprise solution provides a robust set of features on top of the core Android Enterprise platform, to fill security and management gaps and meet the strict requirements of highly regulated industries.

The Knox Platform for Enterprise solution comes in a two tiered offering:

- Knox Platform for Enterprise : Standard Edition [FREE]
- Knox Platform for Enterprise : Premium Edition [\$]

Knox Platform for Enterprise: Standard Edition offers free additional policies you can use to provide enhanced security, manageability and usability over your Samsung device fleet, running Android Enterprise on Oreo or above.



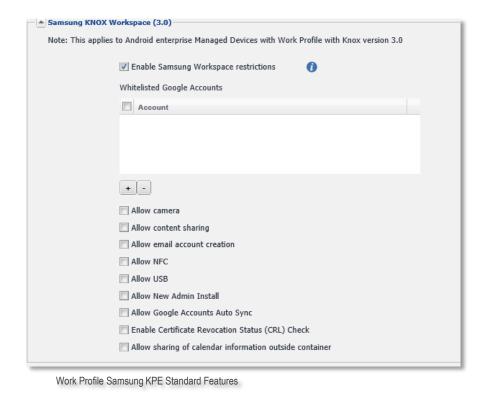
# **Configure Knox Platform for Enterprise: Standard Edition**



Configure KPE: Standard Edition on MobileIron Core UEM

To take advantage of the free additional APIs available in KPE Standard Edition, simply complete the below instructions.

- Navigate to Policies & Configs -> Policies > Add New -> Lockdown Policy
- You have now enabled all the additional KPE Standard APIs available to you in your configuration. You are now free to select those features and take advantage of the free additional APIs found in KPE Standard Edition!



▲ Samsung Restrictions Email Account @ Enable @ Disable Android Browser: 

Enable 

Disable Google Backup: 

Enable Disable Factory Reset: 

Enable Disable Google Play: @ Enable @ Disable Outgoing SMS: 

Enable 

Disable Incoming MMS: 

Enable Disable Make passwords 

Enable 

Disable Outgoing MMS: 
Fnable 
Disable Developer options: 

Fnable 

Disable OTA Upgrade: 
 Enable Disable Recovery Mode: @ Enable @ Disable Roaming voice calls: (a) Enable (b) Disable Safe mode: 
Fnable 
Disable Setting Changes: 
Fnable Disable Tethering - Bluetooth: @ Enable @ Disable Tethering - USB: @ Enable @ Disable Tethering - Wi-Fi: 

Enable 

Disable USB Media Player: 

Enable Disable Manual Date Time 
Enable Disable Certificate Revocation 

Enable

Disable Google Accounts 

Enable Disable Google Crash Report: 

Enable Disable Multi-user mode: @ Enable @ Disable Allow cellular data: 

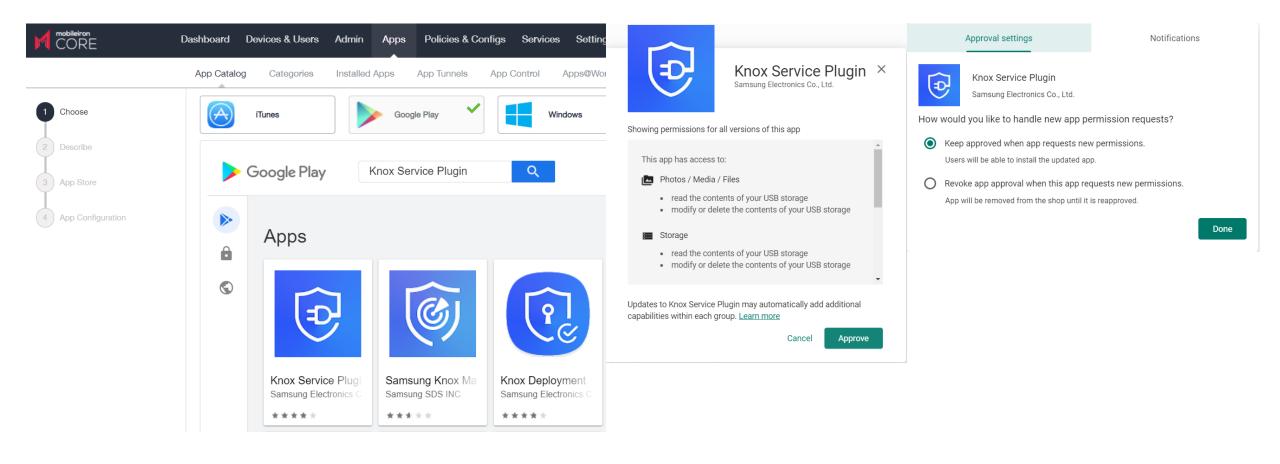
Enable 

Disable Allow USB HID @ Enable @ Disable No records to display No records to display Turn Off Wi-Fi for SSIDs (1)

#### **Knox Service Plugin [KSP]**



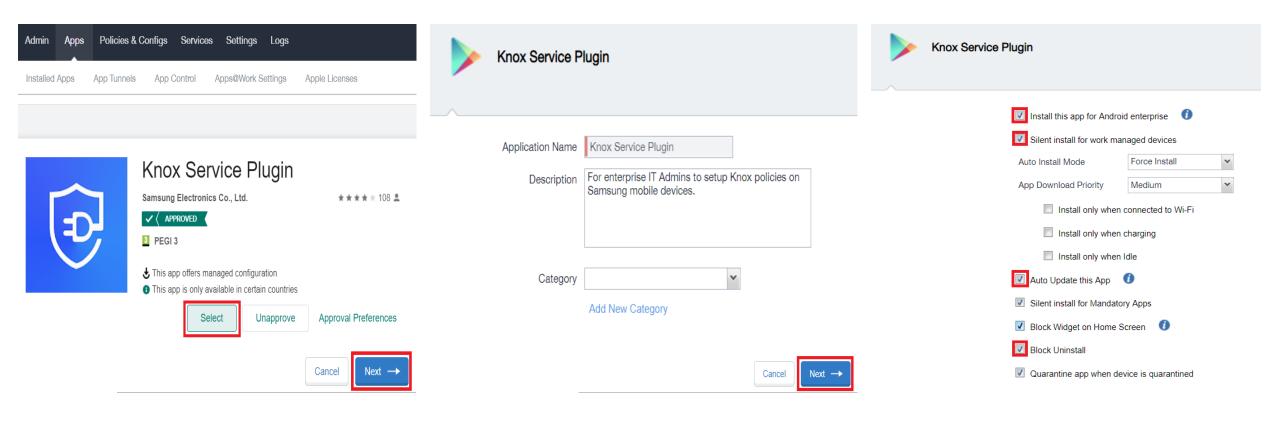
- In the MobileIron console, navigate to: Apps > App Catalog > Add > Google Play
- Search for and approve the Knox Service Plugin Application.
- Choose how you would like to handle new app permission requests and then click Done.



## **Knox Service Plugin [KSP]**



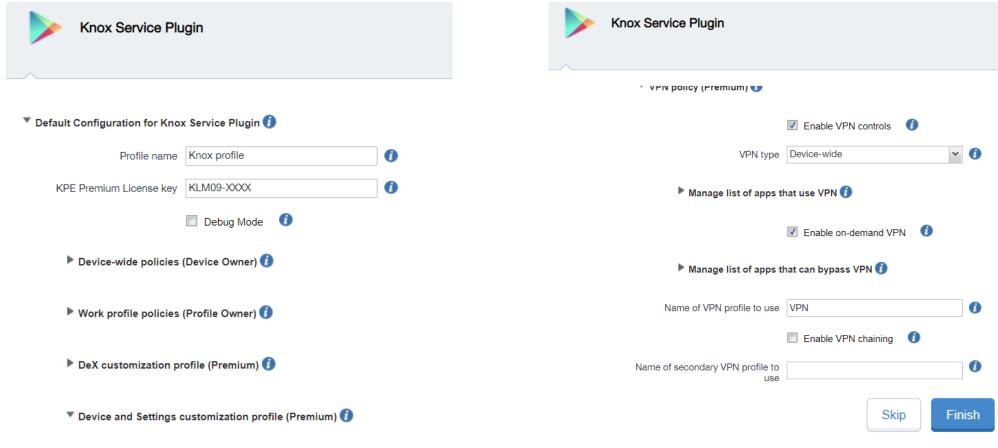
- Select the Knox Service Plugin and then click Next.
- Category is optional, select Next.
- Select Install this app for Android Enterprise and make sure Silent install for work managed devices, Auto Update this App and Block Uninstall are ticked.



# **Knox Platform for Enterprise: Premium Edition**



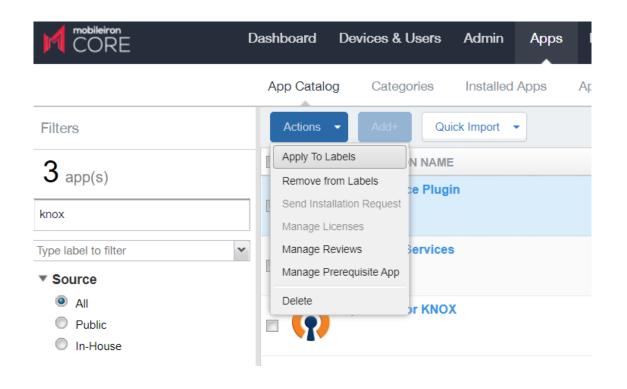
- Scroll down to Default Configuration for Knox Service Plugin.
- Enter a Profile name of your choice.
- Copy and Paste your KPE Premium License Key from your Samsung Knox Portal.
- To configure the KPE premium settings, scroll down and select configure against the desired configuration option.
- Select Finish.

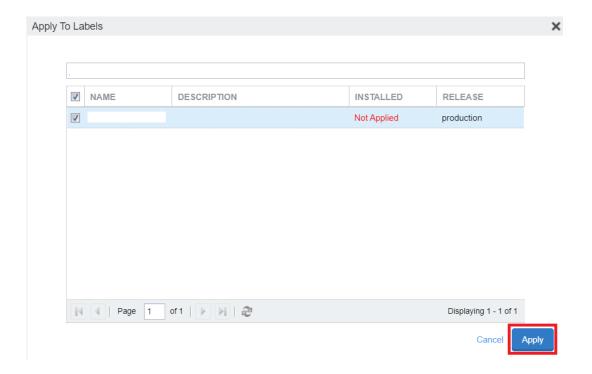


# **Knox Platform for Enterprise: Premium Edition**



- Knox Service Plugin will now appear in your App Catalog list.
- To assign, tick the Knox Service Plugin, select Actions and then Apply To Labels.
- Select your label and then click Apply.





# **Document Information**



This is version 2.1 of this document.

# Thank you!



