



Bulk enrolment – Samsung KME

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What is Knox Mobile Enrollment (KME)?



Knox Mobile Enrollment is the quickest and most automated way to enroll a large number of devices to your Essentials console for corporate use. After adding your device to the dedicated KME platform, it will automatically attempt to complete integration with MDM platform until enrollment finishes with success. After the device wipe, KME will also start automatic re-enrollment process.

For more information visit Samsung KME page

<https://www.samsungknox.com/en/solutions/it-solutions/knox-mobile-enrollment>

Requirements for KME

To use Knox Mobile Enrollment, you need:

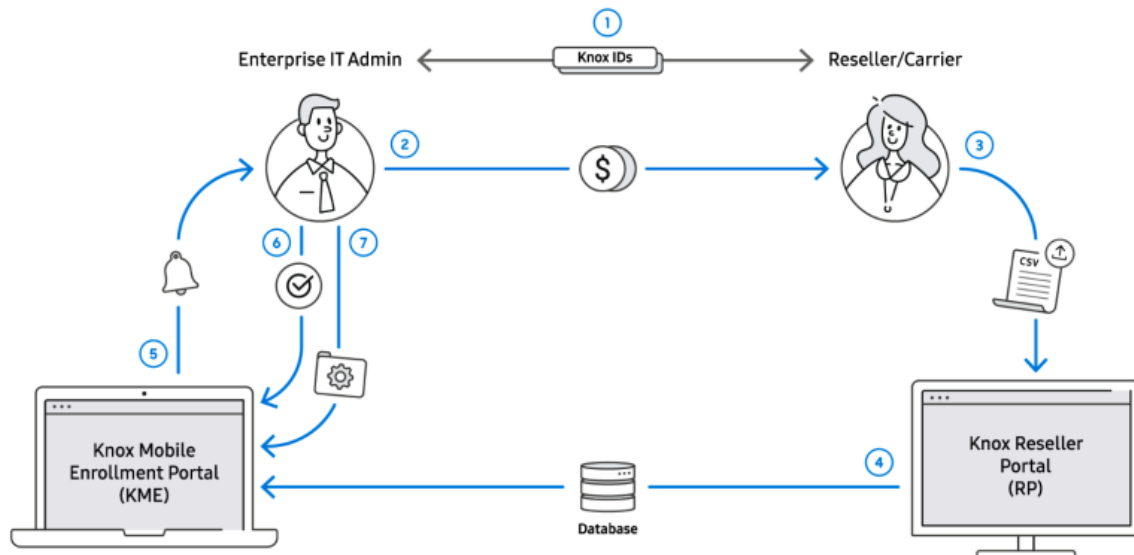
- A Samsung Knox account.
- Samsung Knox devices running Knox version 2.6 or higher.
- [ON-PREMISE] The correct firewall exceptions needed to extend beyond your local and protected network domain and securely connect to the Knox Mobile Enrollment server.
- A KME supported browser (Google Chrome, Microsoft Edge, Mozilla Firefox).

For more information go to:

<https://docs.samsungknox.com/admin/knox-mobile-enrollment/get-started/before-you-begin/>

KME process overview and workflow

Enterprise IT admins purchase devices from carriers, resellers, or distributors and provide their unique customer IDs. The devices are validated for correctness by their sellers in KME, and shipped to end users who open the box and boot their device.



Refer to the following describing the KME process flow activities within the illustration above:

1. An IT Admin and Reseller/Carrier create accounts in KME and RP respectively. They then exchange their IDs within KME using the Customer ID and Reseller ID.
2. The Enterprise IT Admin purchases devices from their Reseller/Carrier.
3. The Reseller uploads the list of purchased device IDs to the Reseller Portal.
4. The device ID list is shared between the Reseller Portal and KME.
5. The IT Admin is notified by email that their Reseller/Carrier has uploaded their devices.
6. The IT Admin approves the device upload. Approvals can be made automatically for trusted Resellers/Carriers.
7. The IT Admin configures the devices by assigning them to a MDM profile and optionally adding username/password information to each device. Devices can be automatically assigned to a profile.

How to add devices to KME portal

Go to <http://www.samsungknox.com/en> and sign in to your account.

Purchase Enroll Sign In

My Knox

Use your Samsung Account or SSO credentials to sign in to Samsung Knox.

SIGN IN WITH A SAMSUNG ACCOUNT SIGN IN WITH SSO

Sign in to your Samsung account

Email

☐ Remember my ID

Next

[Find ID](#)

[Create account](#)

Sign in with Google

Sign in with QR code

After entering the data, you will log into the KME administrator portal.

- In compliance with the General Data Protection Regulation (GDPR), we have added new Privacy Settings. To view these, go to Edit account, and click on **Privacy Settings**.
- We've updated our Samsung Knox privacy policy to better explain how we process your personal data. To view the latest privacy policy, [click here](#).

My Solutions

Knox Mobile Enrollment

Automated and enforced EMM enrollment.

KNOX SUITE

Knox Platform for Enterprise

Defense-grade security and management features.

KNOX SUITE

Knox Configure

Quick & simple setup and rebranding of devices.

Discover more

ENTERPRISE SOLUTIONS

Knox Manage

Cross-platform EMM optimized for Samsung devices.

JOIN

Knox E-FOTA

Versatile OS version control and management.

JOIN

Knox Asset Intelligence

Smart device inventory management.

JOIN

Knox Capture

Enterprise-grade scanning on your device.

SERVICE & TOOLS

Knox Developers

Get access to Knox SDKs, license keys, REST APIs, and other developer resources.

Samsung Care+ for Business

Manage and monitor your Samsung Care+ covered devices.

JOIN

Enterprise Edition dashboard

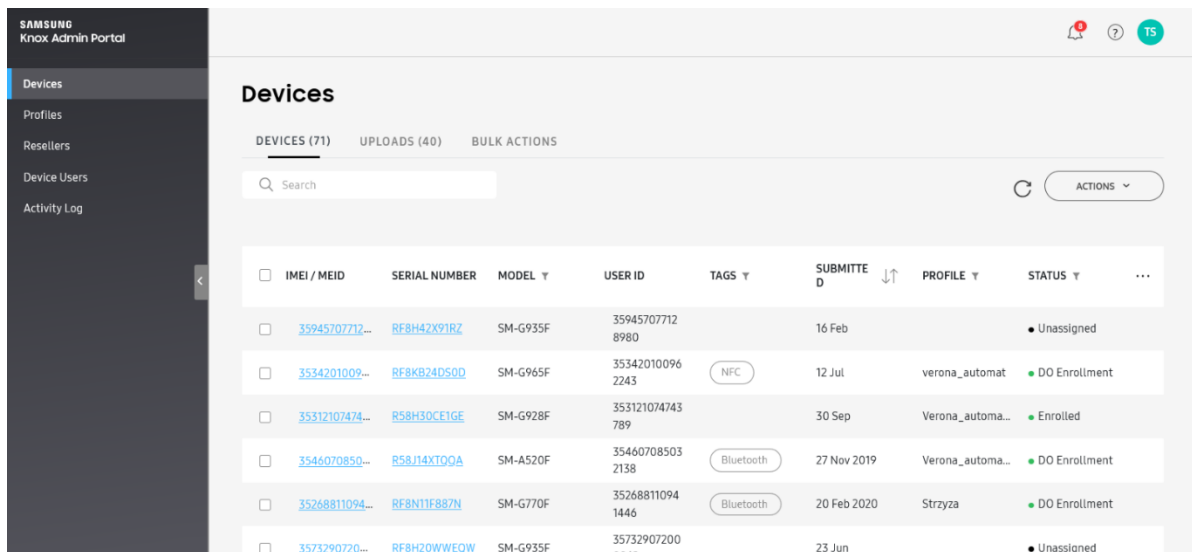
Manage Knox Suite license keys for Samsung Galaxy Enterprise Edition devices.

Enterprise Technical Support

Paid premium support for Samsung mobile products.

North America → Global →

Next you should click on Knox Mobile Enrollment button to see KME console.



	IMEI / MEID	SERIAL NUMBER	MODEL	USER ID	TAGS	SUBMITTED	PROFILE	STATUS
<input type="checkbox"/>	35945707712...	RF8H42X91RZ	SM-G935F	359457077128980		16 Feb		Unassigned
<input type="checkbox"/>	3534201009...	RF8KB24D50D	SM-G965F	353420100962243	NFC	12 Jul	verona_automat	DO Enrollment
<input type="checkbox"/>	35312107474...	R58H30CE1GE	SM-G928F	353121074743789		30 Sep	Verona_autom...	Enrolled
<input type="checkbox"/>	3546070850...	R58J14XTOQA	SM-A520F	354607085032138	Bluetooth	27 Nov 2019	Verona_autom...	DO Enrollment
<input type="checkbox"/>	35268811094...	RF8N11F887N	SM-G770F	352688110941446	Bluetooth	20 Feb 2020	Strzyza	DO Enrollment
<input type="checkbox"/>	3573290720...	RF8H20WWEQW	SM-G935F	35732907200nnn		23 Jun		Unassigned

1- Device purchased from official reseller

When a device is purchased from a reseller, the reseller can automatically upload the device to your KME account. The uploaded devices display within the DEVICES > Uploads page.

The Resellers screen displays a list of resellers, their corresponding reseller ID, default enrollment profile and upload approval preference. Each reseller displays as a link that can be selected to edit that reseller's profile and approval preferences.

More information on link below:

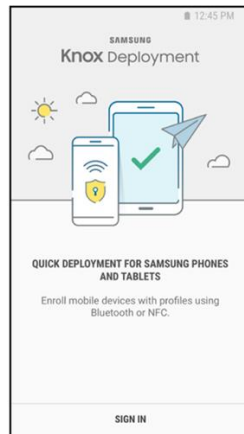
<https://docs.samsungknox.com/admin/knox-mobile-enrollment/get-started/tour-the-console/#resellers>

2- Adding device to KME manually using KNOX Deployment APP without official reseller

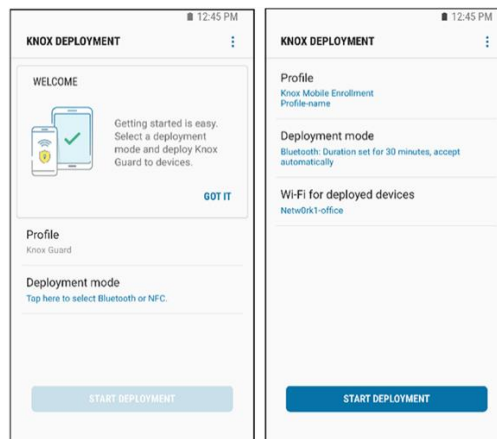
[Knox Deployment](#) App that can be downloaded from [Google Play Store](#)

This section describes the screen flow navigation for a typical enrollment using the Knox Deployment App.

1. Select **SIGN IN** once the Knox Deployment App launches on the device.
2. **NOTE** — If the Knox Deployment App is already running on the device, the initial screen does not display, and the application displays the sign in screen.



3. Enter the Knox Portal Username and Password to login into the Knox Deployment App.
4. Select **Remember me** to display and utilize the username in subsequent Knox Deployment App logins.
5. NOTE —If you encounter difficulty logging in to the Knox Deployment App, ensure you have either a valid Knox Portal account with privileges for KME. If that is not the issue, select **Forgot your email or password?** for assistance retrieving your login credentials. Select **SIGN IN** to proceed with the device login.



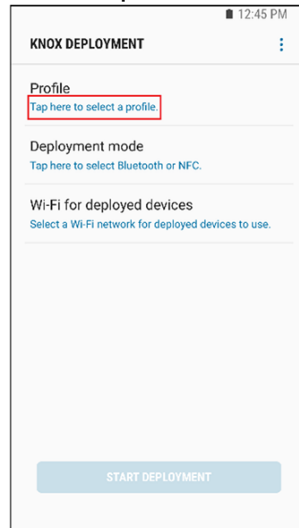
Once you have successfully logged into the Knox Deployment App, a **WELCOME** screen displays providing first-time options for profile selection and deployment mode.

NOTE — Once the Knox Deployment App profile selection and configuration mode are set, the selected options display within their respective fields, the **START DEPLOYMENT** option enables, and the Welcome portion of screen no longer displays in subsequent logins.

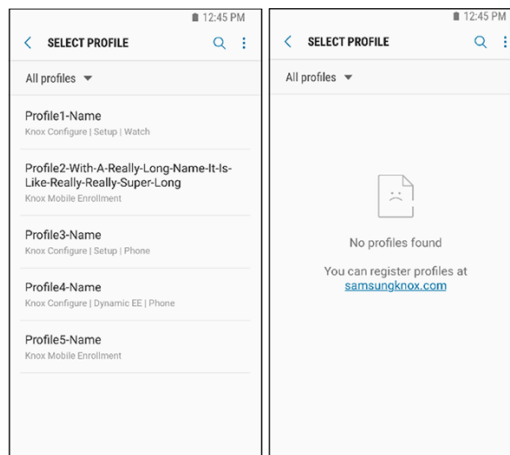
Select a profile to apply specific device settings to a master/admin device using to enroll end user devices.

To select a configuration profile using the Knox Deployment App:

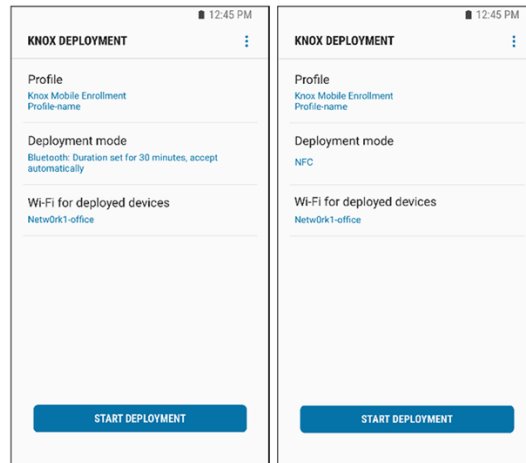
- 1- Select **Tap here to select a profile** from the Welcome screen to display a list of profile selection options.



- 2- Optionally filter whether **All profiles** are listed for potential selection or just Knox Configure or Knox Mobile Enrollment defined profiles.
- 3- If there are no profiles available, a profile requires creation using the Knox Mobile Enrollment. Described in **Creating profile in Essentials MDM**



- 4- Select a listed profile. Once selected, the profile displays upon subsequent logins. The profile is now ready for Bluetooth, NFC, or Wi-Fi Direct deployment mode selection as described in the sections that follow.

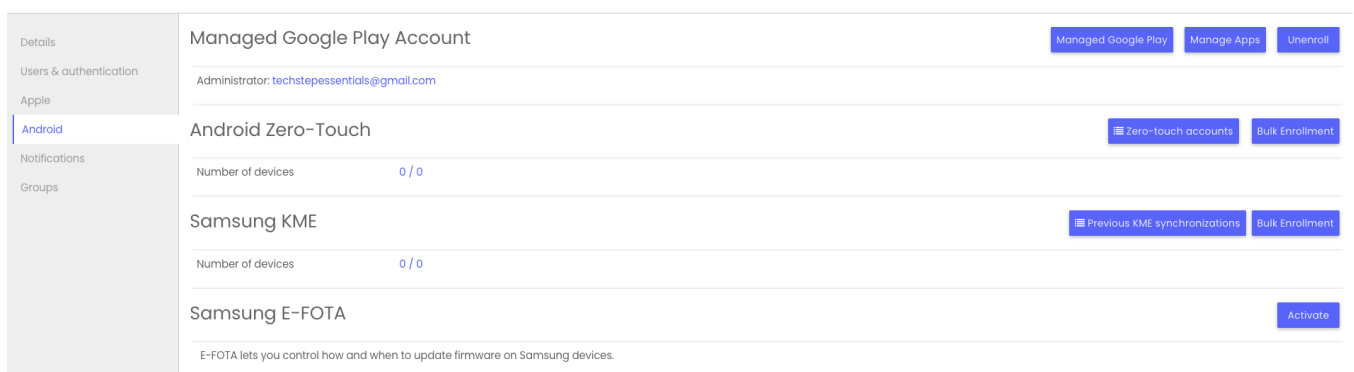


After beaming enrolment information, go to Devices –> All Devices tab, where a new record has been created. You can check enrolment method by hovering cursor on the submitted date.

Essentials MDM and Knox Mobile Enrollment integration

Log in to your Essentials MDM account and choose one of two possibilities.

1. Go to Settings –> Android –> Samsung KME and press Bulk Enrollment



2. Or using second method from device tab

Click on the DEVICES tab, then hover over + icon and choose **Bulk enrollment**, and **Samsung KME**.

Bulk enrolment – Samsung KME

KME configuration in Essentials MDM (Device Owner)

Each method from the previous section will open a short configurator (Press Start Now)

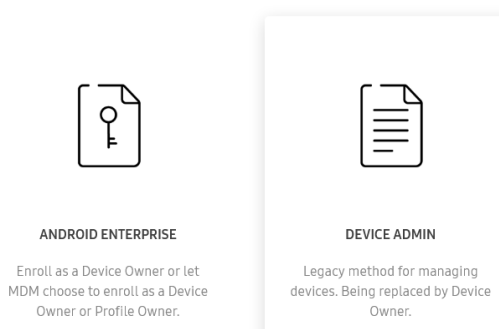
- 1- Sign in to Knox Mobile Enrollment Portal with your Samsung Account credentials.

The screenshot shows the 'My Knox' header. Below it, a message says 'Use your Samsung Account or SSO credentials to sign in to Samsung Knox.' There are two buttons: 'SIGN IN WITH A SAMSUNG ACCOUNT' and 'SIGN IN WITH SSO'. The 'SIGN IN WITH A SAMSUNG ACCOUNT' button is selected, leading to a 'Sign in to your Samsung account' form. The form includes an 'Email' input field, a 'Remember my ID' checkbox, a blue 'Next' button, and links for 'Find ID' and 'Create account'. At the bottom, there are two more options: 'Sign in with Google' (with the Google logo) and 'Sign in with QR code' (with a QR code icon).

- 2- Go to **Profiles**, click Create Profile and select type - ANDROID ENTERPRISE from the profile types.

Select profile type

Create a new profile by selecting one of the profile types.
[Learn more](#) about different profile types.



- 3- Enter the Profile Name, (Description is optional). Choose Famoc Manage under "Pick your MDM".

Paste MDM Server URI using copy button:



Example format for URI: xxx.xxxxxx.xxx/

4- Add link to FAMOC (Essentials MDM) APK using copy button:



Example format for APK link:

<https://xxx.xxxxxx.xxx/kme/index.php/S4hShnevBYtvhmWafrrheFsSmXlk6yL6Q>

A screenshot of the 'BASIC INFORMATION' and 'MDM INFORMATION' sections of a profile configuration form. The 'BASIC INFORMATION' section includes a 'Profile Name' field with the value 'Essentials MDM Profile' and a 'Description' text area. The 'MDM INFORMATION' section includes a 'Pick your MDM' dropdown menu with 'Famoc manage' selected, an 'MDM Agent APK' field with a URL and a green checkmark, a checkbox for 'This MDM APK is locally hosted on an intranet server.', and an 'MDM Server URI' field with the value 'example.essentials.com'. On the left, there is a key icon and the text 'ANDROID ENTERPRISE'.

5- [OPTIONAL] To enroll device with user credentials or bootstrap code in Device Owner from KME, administrator is obligated to provide custom JSON data in MDM profile. JSON should look like:

```
{"enrollment_type": "credentials, bootstrap_code"}
```

Valid enrollment_type values:

"credentials"

"bootstrap_code"

"credentials, bootstrap_code"

If custom JSON data will be not provided by administrator, device will be enrolled silently, or both enrollment options (credentials, bootstrap code) will be displayed to the user if there is no CSV record for this device.

If you wish to require the user to provide credentials or enrollment code during the process you also have to add to JSON one of the following values.

JSON that should be passed to the KME portal should contain a 'webview_key' parameter when selecting one of the WebView options (credentials or enrollment code).

e.g. When selecting the authentication method: user credentials and enrollment method: fully managed, JSON should look like that:

```
{"provisioning_mode": "do", "web_view_key": "GENERATED_WEB_VIEW_KEY"}
```

For WPC devices and WebView option selected:

```
{"provisioning_mode": "wp", "web_view_key": "GENERATED_WEB_VIEW_KEY"}
```

For COSU devices and WebView option selected:

```
{"provisioning_mode":"cosu", "web_view_key":"GENERATED_WEB_VIEW_KEY"}
```

"WebView key" will be generated and shown on the Samsung KME integration modal.

Android enterprise profile settings

Set MDM configuration and device settings.

6- Press Next and go to Devices -> All Devices on Samsung KME portal and download devices as CSV.

Devices

7- **Drop your CSV** or choose a file from local storage.

8- Choose Default user or Device Groups for imported devices. Select Authentication method and Enrollment method (remember to add appropriate values to the JSON configuration on KME portal) and press **Next**.

Launch KME ×

Create an MDM Profile Add devices Upload devices to MDM Essentials Upload devices to KME

Authentication method

No authentication User credentials Enrollment code

Go to 'Devices' on KME Portal, choose 'ALL DEVICES', select all devices and choose 'Action' - 'Download devices as CSV'.

Drop your csv

Default user of imported devices

User Techstep (techstep)

Device groups

Select group

Enrollment method

Fully managed device (COBO) Corporate-owned device with work profile (WPC) Dedicated device (COSU) Shared device BETA

Back Next

9- List of successfully imported devices will be shown:

Launch KME ×

Create an MDM Profile Add devices Upload devices to MDM Essentials Upload devices to KME

Successfully imported devices to system

Available devices: 0 / 0

Back Next

10- Press **Next** and click on Download device list button.

Launch KME ×

Create an MDM Profile Add devices Upload devices to MDM Essentials Upload devices to KME

Selected enrollment method requires changing the configuration in MDM CONFIGURATION section to:

`{ "provisioning_mode": "do" }`

Go back to "My Solutions – Knox Mobile Enrollment – Devices" tab in Samsung KME portal, select "Bulk Actions" – "Assign user credentials and profile" and browse a csv file downloaded below.

Download device list Go to Samsung KME portal

Close

- 11- Go back to Samsung KME portal, select Bulk Actions -> Assign user credentials and profile and upload a CSV file downloaded from Essentials MDM.

Assign user credentials and profile

Upload device list with user credentials

All devices must **pre-exist** in the Knox Mobile Enrollment device inventory.
Maximum 10,000 devices per upload.

Select .csv file *

SELECT

(Optional) Configure profiles and tags

You can assign profile now to all devices included in .csv file or assign profile later from [All devices](#) screen.

Modify the MDM profile of selected devices

Keep current profiles

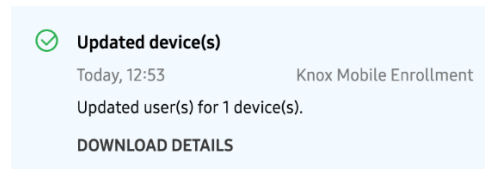
▼

Tags

Type and hit enter to add tags.

☐ Overwrite existing tags

- 12- Additional popup will appear if Bulk Configuration was submitted correctly.



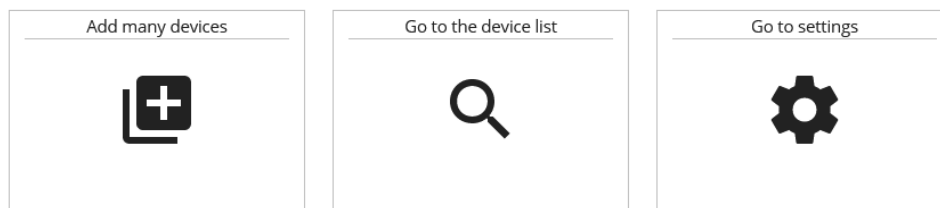
- 13- Go back to Essentials MDM and press close



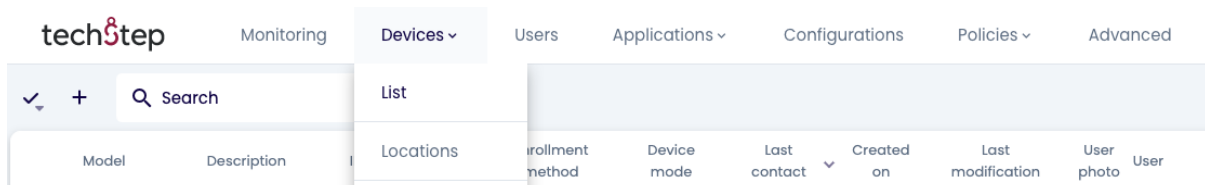
You're all set. The enrollment process will start automatically the first time a user starts a device and connects to the Internet.

Available devices: 1 / 1

What do you want to do next?



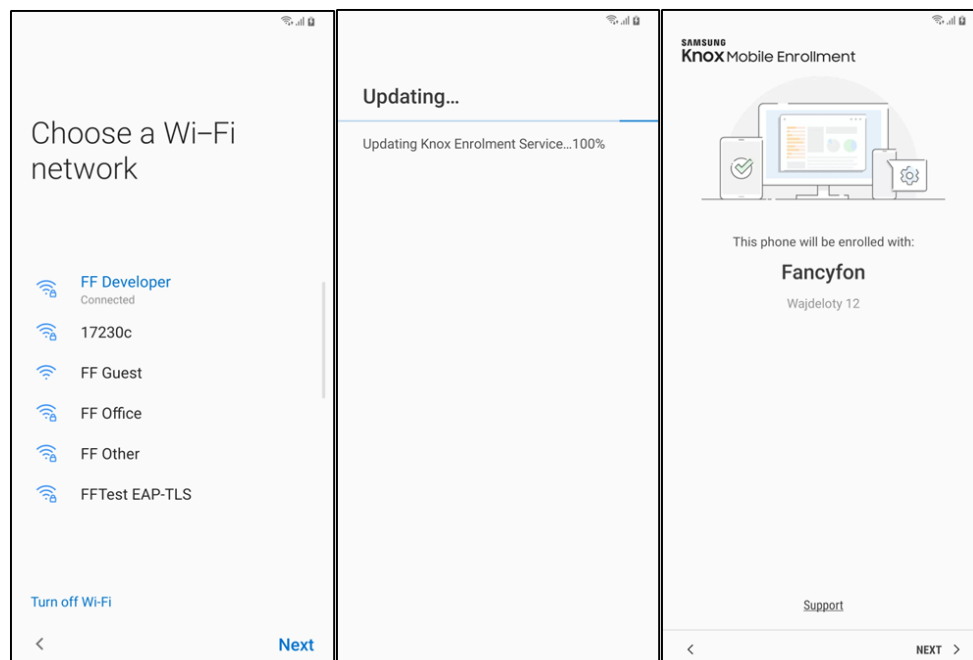
- 14- Choose the option "Go to device list" to see newly imported list.



After the device wipe or its initial setup, the device will enroll to Essentials MDM automatically.

User actions on device

- 1- For out of box enrollment, turn on your device and connect to the Internet.
- 2- When you receive a prompt to Enroll with Knox, tap Continue.
- 3- Read the SECURITY STATEMENT and the Knox PRIVACY POLICY and tap I agree to all of the above; tap Next.



Your credentials are validated and your device is enrolled in your organization's enterprise IT environment.

