

Knox Mobile Enrollment (KME) Direct Setup Guide

August 2021
Samsung R&D Centre UK
(SRUK)

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2. Download and Install KME Direct
3. Create a Device Configuration Profile
4. Setup a test HTTP server using a mobile device
5. Create a Device Deployment Profile
6. Device Enrollment

Prerequisites

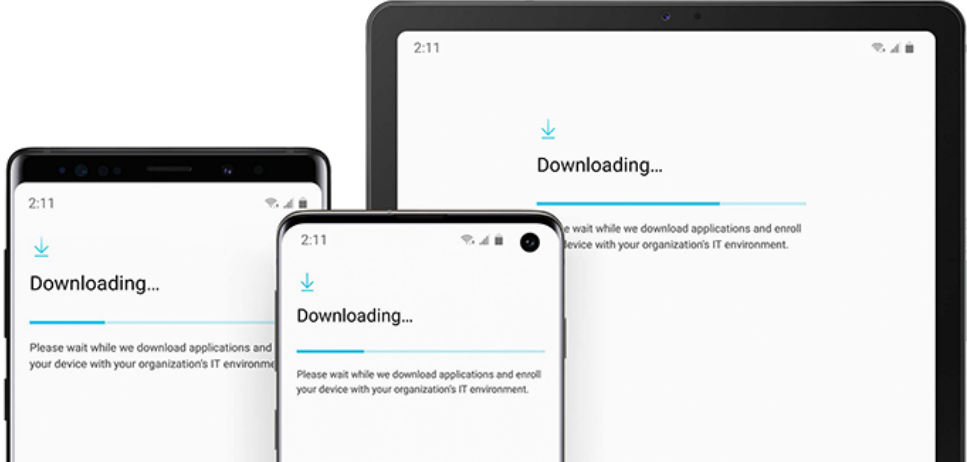
In order to set up a KME Direct test environment you will need to set up a server to host the configuration and APK files. This guide will explain how to do this with a mobile device using an app (Simple HTTP Server)

Download and Install KME Direct

- Navigate to: <https://www2.samsungknox.com/en/kme-direct-download>
- Download both files, KME Direct and Knox Service Plugin

Knox Mobile Enrollment (KME) Direct - Download

KME Direct is the on-premise version of KME. Download and use KME Direct to **configure device profiles** that allow you to automate setting up and configuration of target devices.



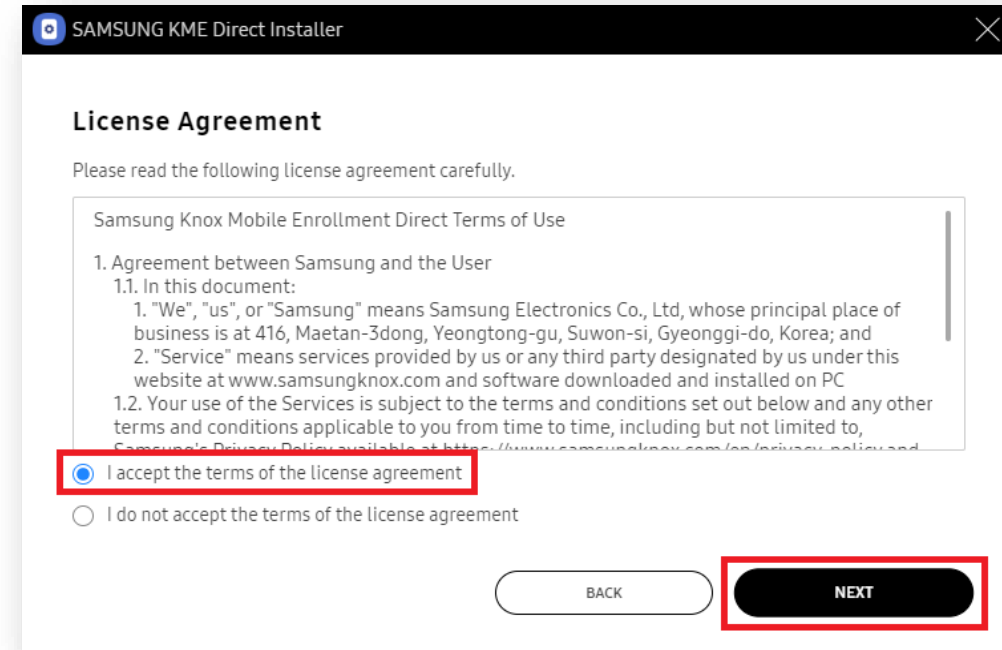
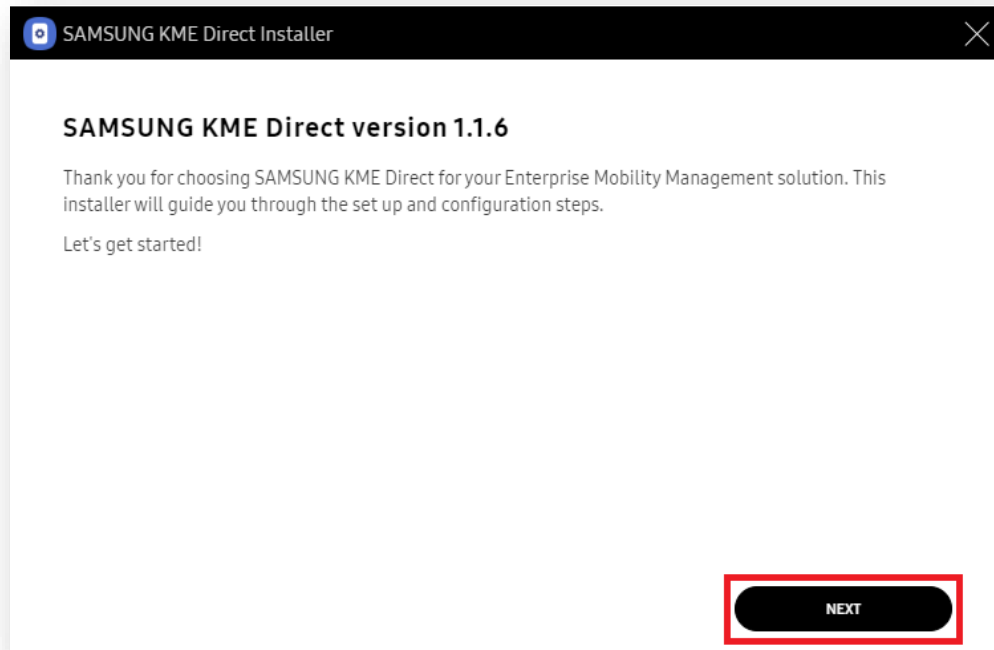
[Learn more](#) about how to set up and configure KME Direct as well as use it to configure target devices.

Download now:

- [kme_direct_v1.1.6.zip](#)
- [knox_service_plugin_v1.2.74.apk](#)

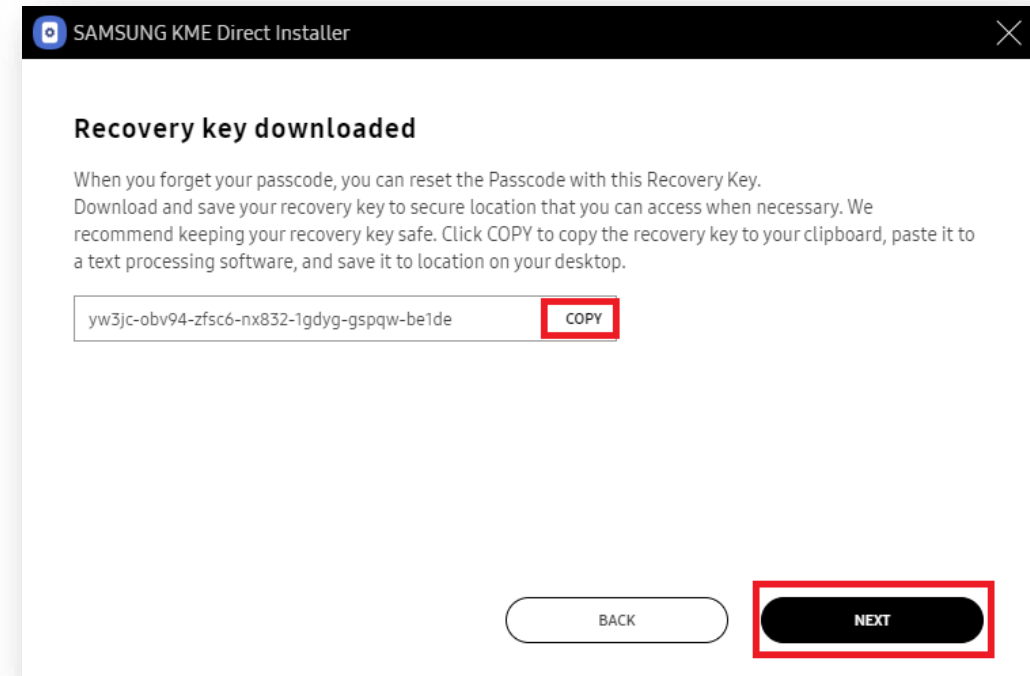
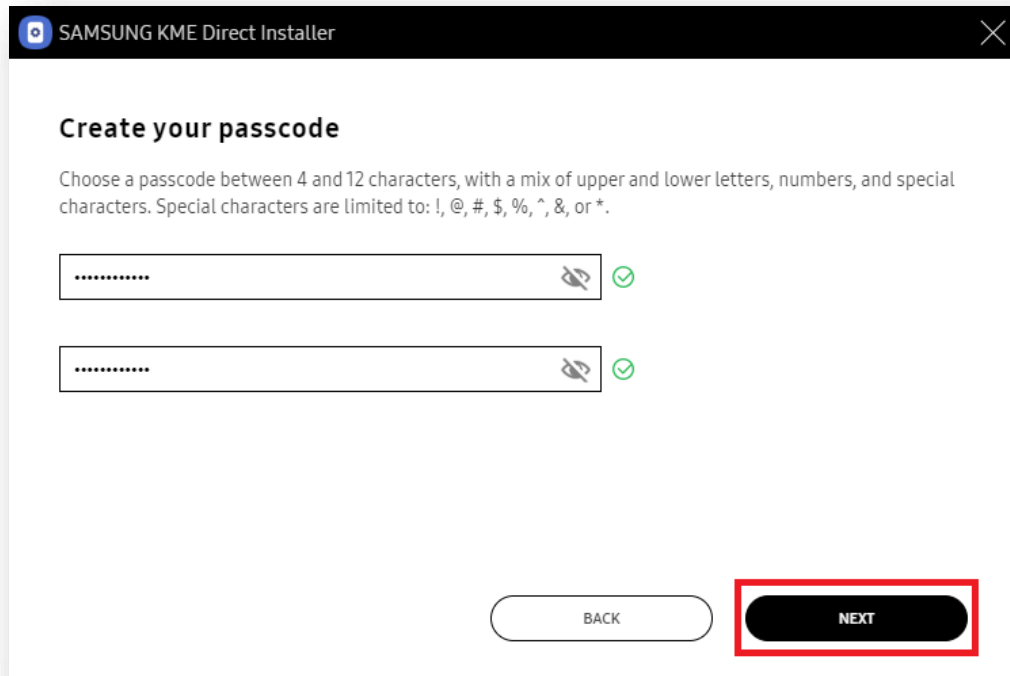
Download and Install KME Direct

- Once downloaded, launch KME_Direct_v1.1.6.exe
- Select NEXT
- Accept the terms of the license agreement
- Select NEXT



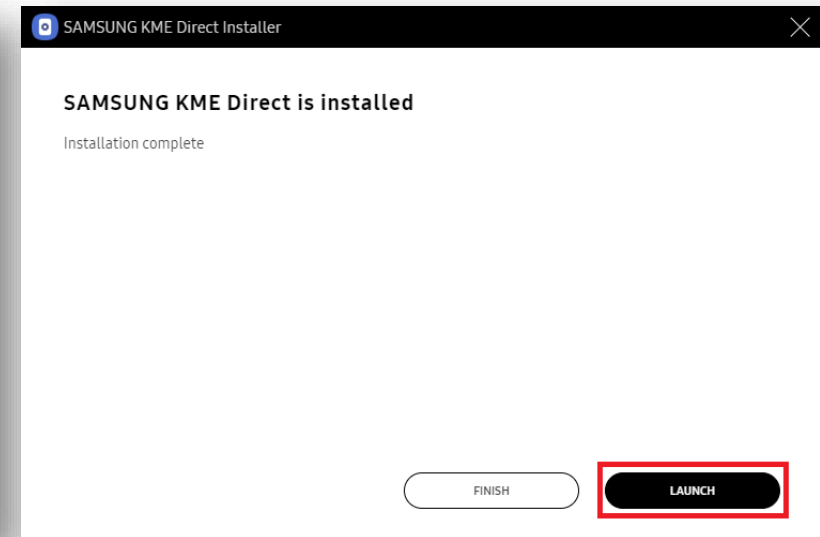
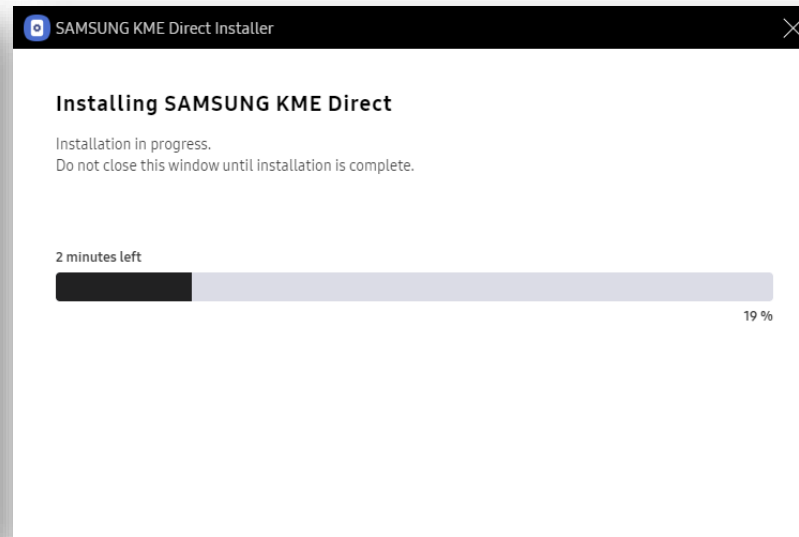
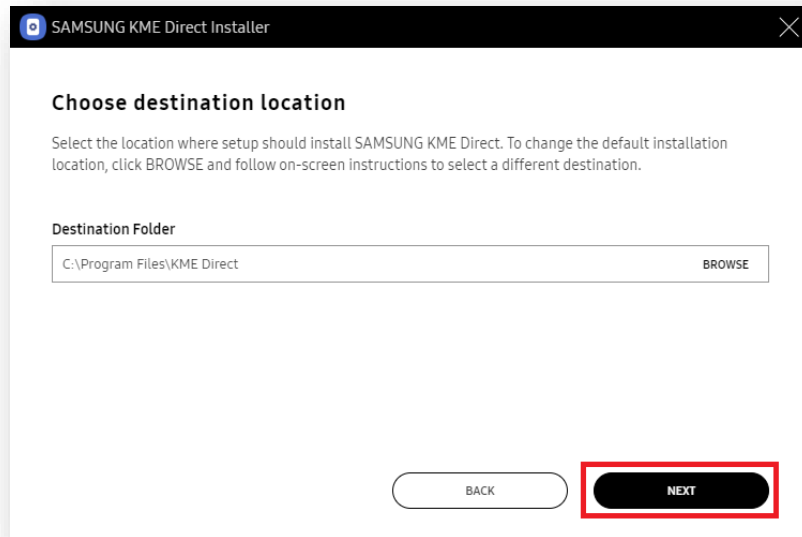
Download and Install KME Direct

- Enter a passcode of your choice
- Select NEXT
- Copy your Recovery key and save to a safe location. The key can be used to access KME Direct if you forget your password.
- Select NEXT



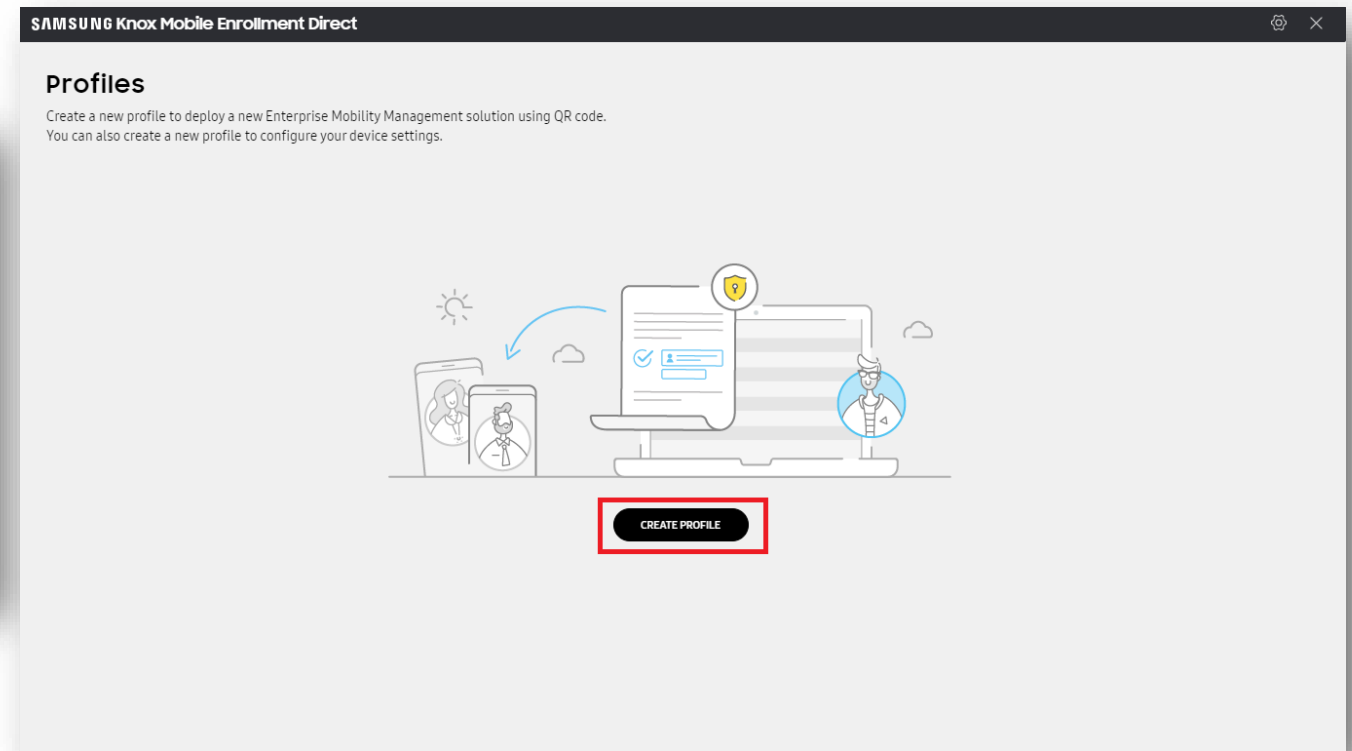
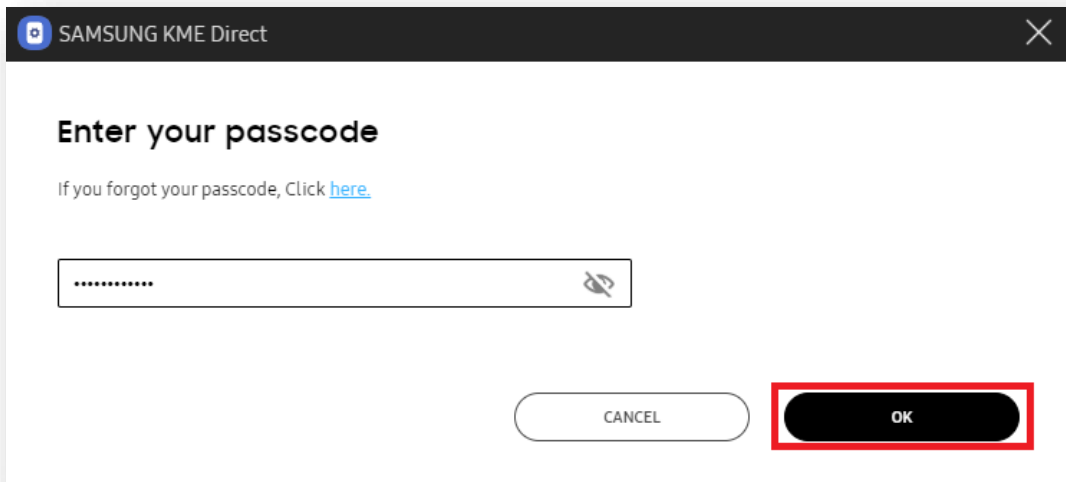
Download and Install KME Direct

- Select NEXT
- Wait for KME Direct to install
- Select LAUNCH



Download and Install KME Direct

- Enter your password, select OK
- Select CREATE PROFILE



Download and Install KME Direct

- Select the Knox SDK version. To find the SDK version for your devices, on the device navigate to:
Settings > About phone > Software information > Knox version
- Select CONTINUE

Device type for profile ✕

Select the correct Knox SDK version on your devices to generate the proper QR code.

Knox Version *

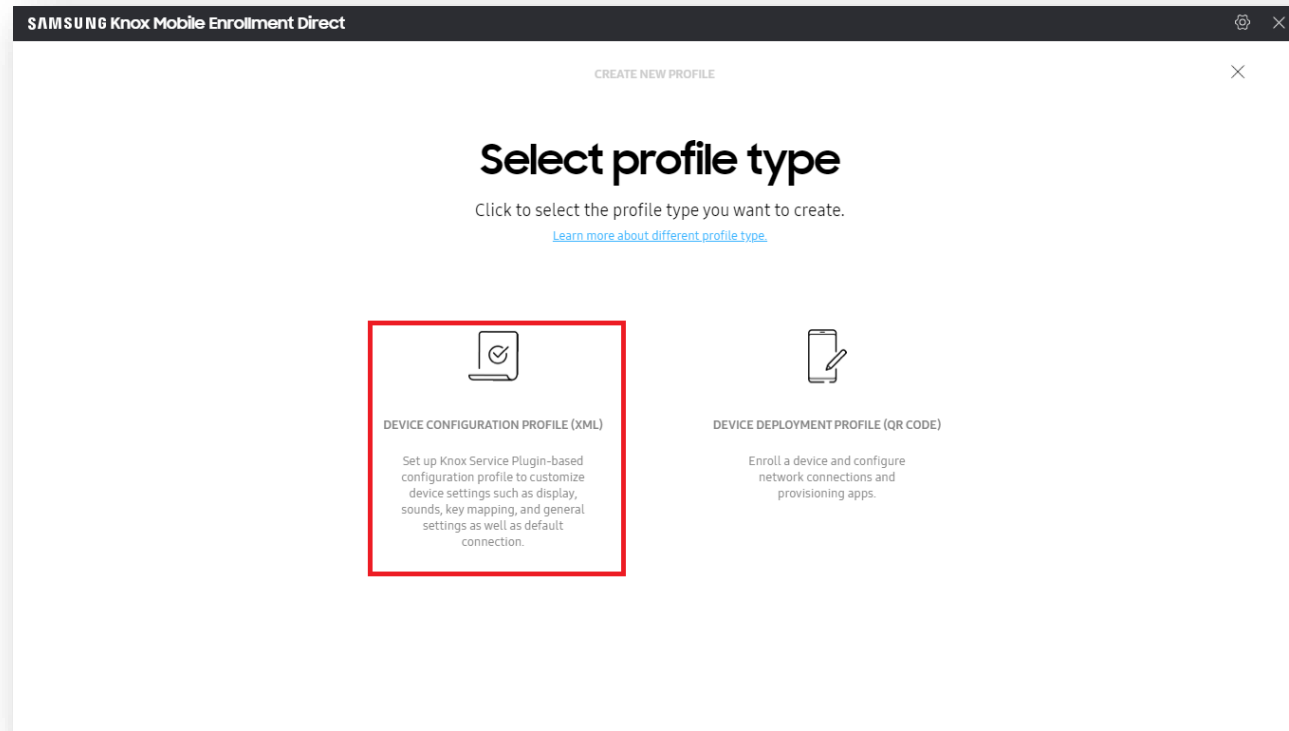
Knox Version 3.8 or higher ▾

CANCEL CONTINUE

Create a Device Configuration Profile

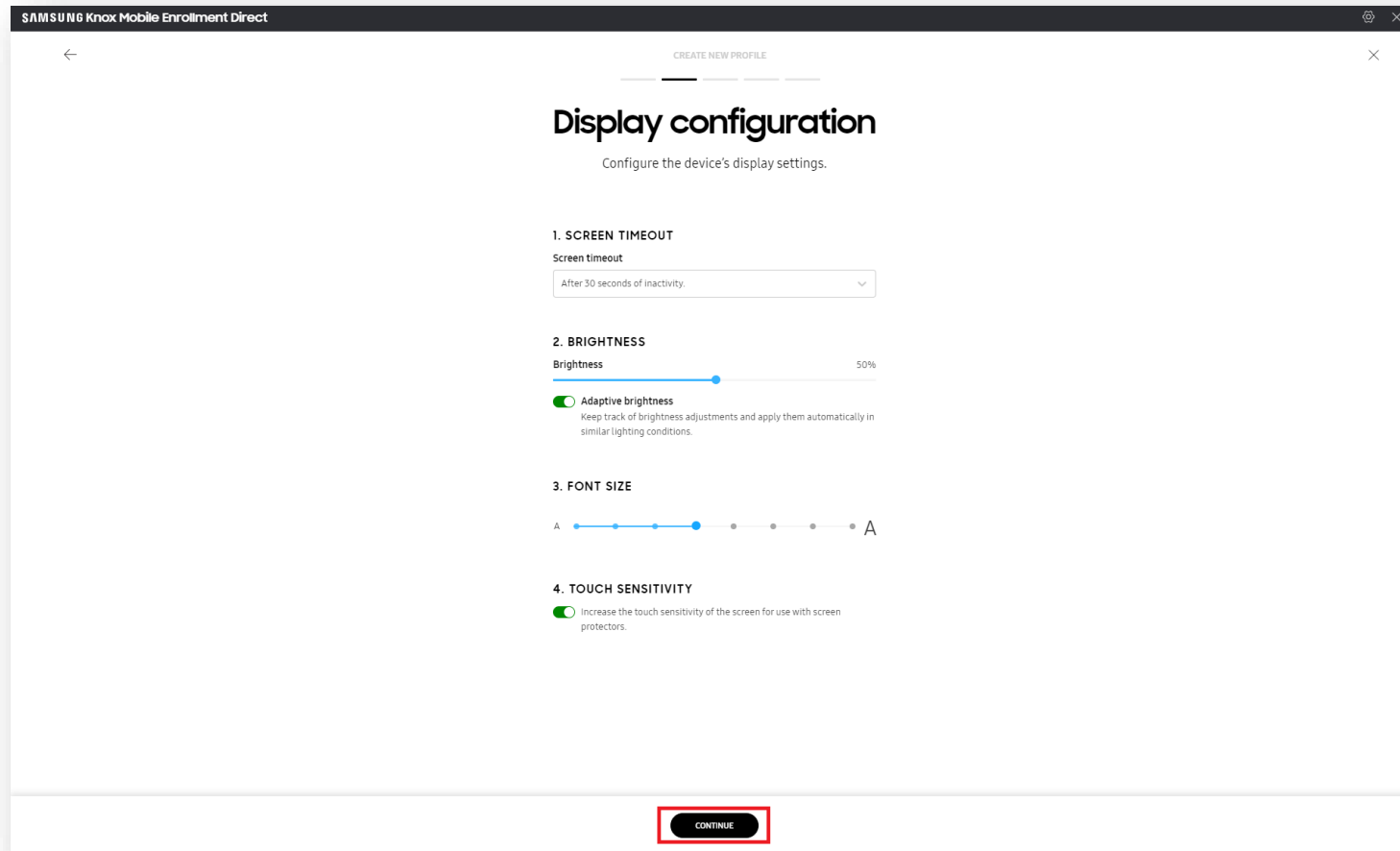
KME Direct has two types of profiles, Device Configuration Profile and Device Deployment Profile. The device configuration profile is used to customize device settings such as display, sounds, key mapping and general settings. The device deployment profile is used to generate a QR code which automatically connects your devices to a network and directs them to your MDM.

- Select DEVICE CONFIGURATION PROFILE (XML)



Create a Device Configuration Profile

- You can now configure the device display settings
- Once you've chosen your settings, select CONTINUE



Create a Device Configuration Profile

- You can now configure the options for hardware key mapping
- Once you've chosen your settings, select CONTINUE

SAMSUNG Knox Mobile Enrollment Direct

DISPLAY CONFIGURATION

Key configuration

Configure resulting actions for key presses on the device.

- 1. NAVIGATION BAR**

Button order

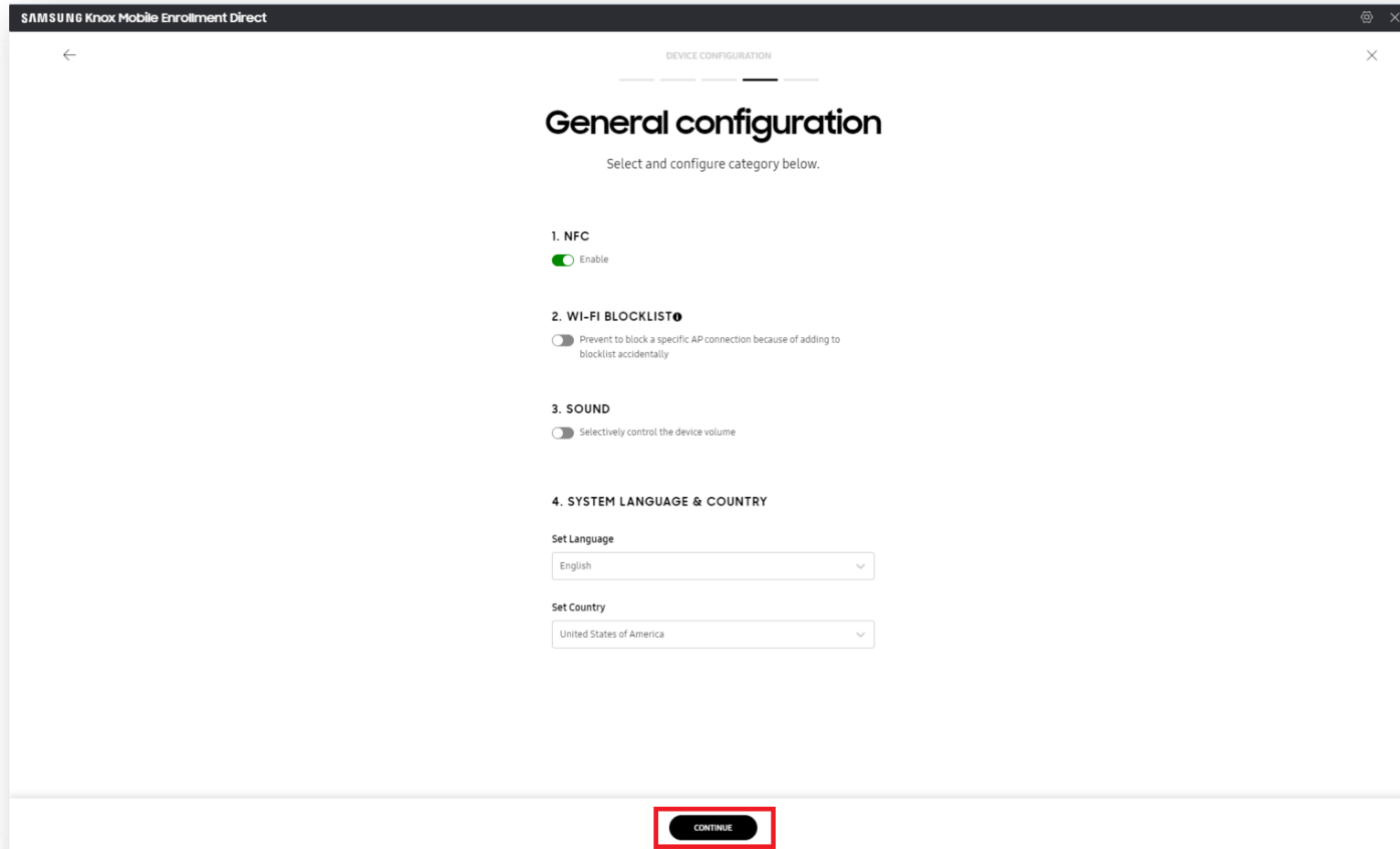
 - Normal (Recents, Home, Back)
 - Reverse (Back, Home, Recents)
- 2. LONG TAP ON HOME KEY**

Long tap on home key to launch below app
- 3. X COVER KEY**
 - MS teams
 - Custom intent
 - APP launch
- 4. TOP KEY**
 - Custom intent
 - App package name:
 - Pressed:
 - Released:
 - APP launch

CONTINUE

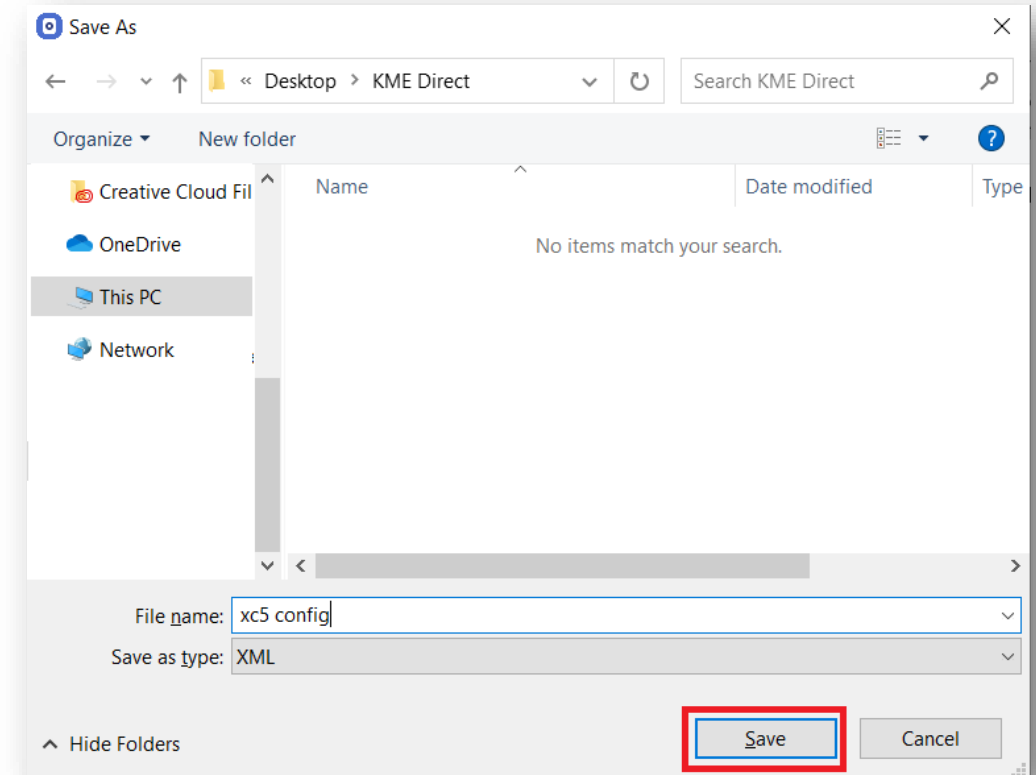
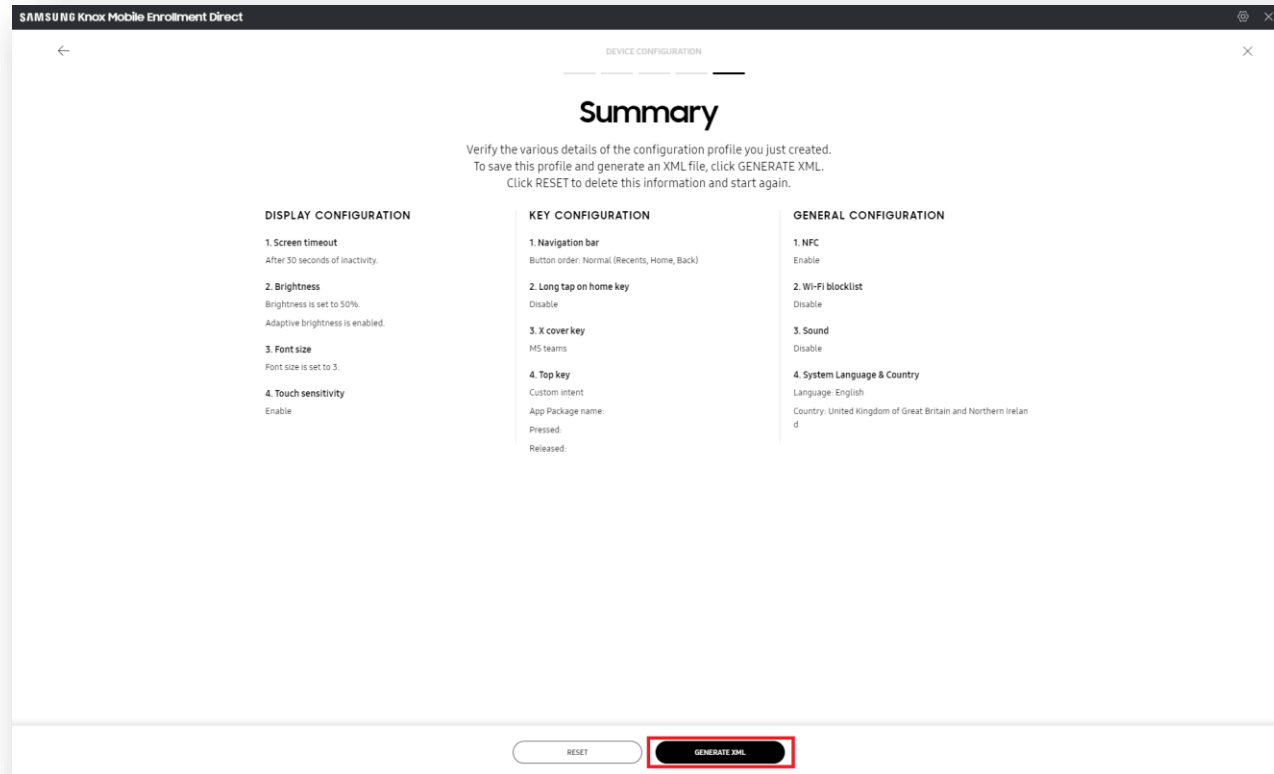
Create a Device Configuration Profile

- You can now configure the general configuration options
- Once you've chosen your settings, select CONTINUE



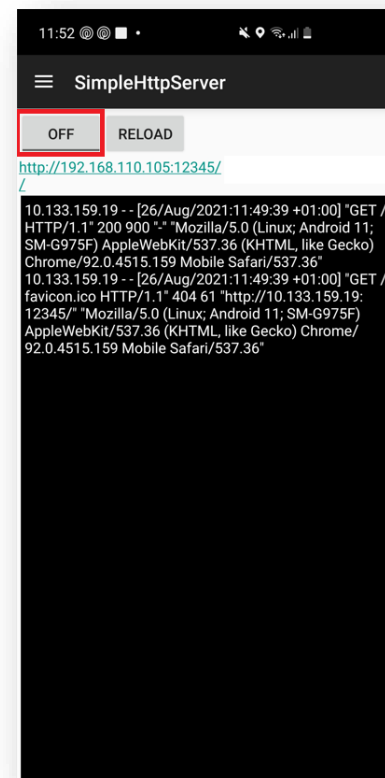
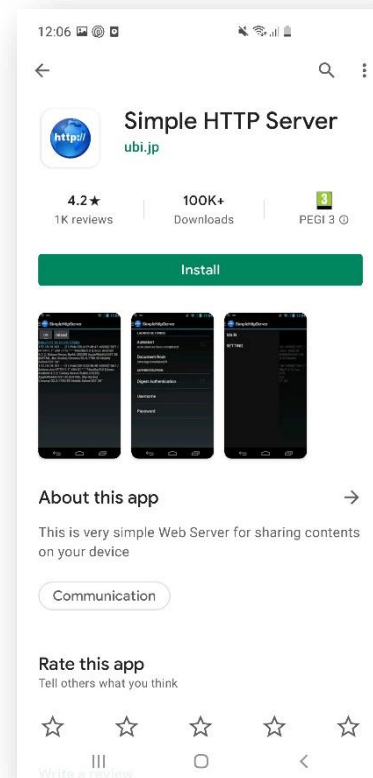
Create a Device Configuration Profile

- Select GENERATE XML
- Save the XML file onto your PC



Setup a test HTTP server

- On your host mobile device, go to the Play Store and download the Simple HTTP Server app
https://play.google.com/work/apps/details?id=jp.ubi.common.http.server&hl=en_GB
- Once installed, launch the SimpleHttpServer app, make sure the Server is set to ON and your host device is connected to your Wi-Fi network. The server IP address will then display. E.g. <http://192.168.110.105:12345/> (You may have a different IP address)



Setup a test HTTP server

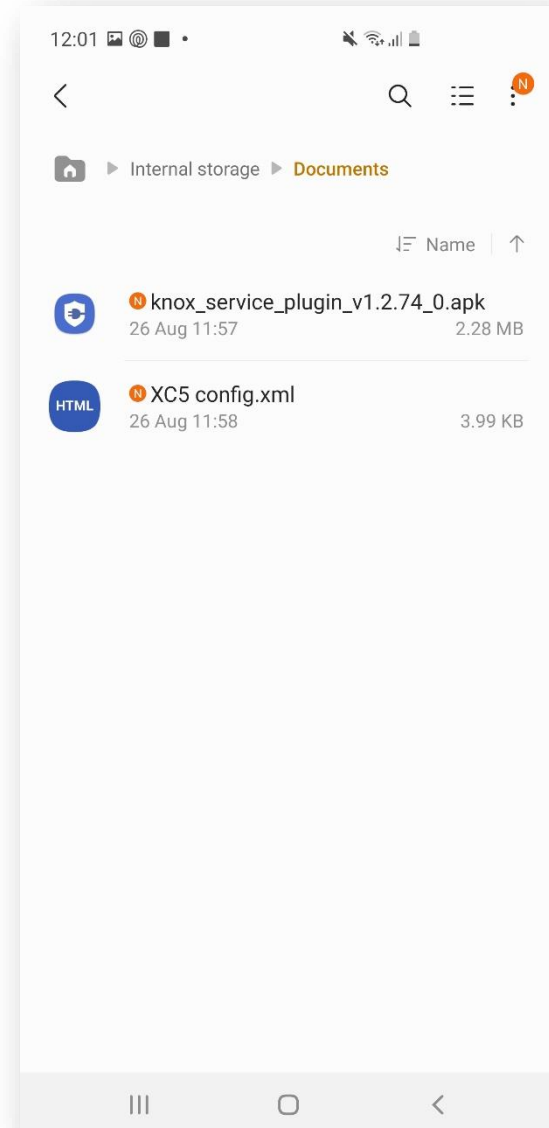
- Copy the Knox Service Plugin APK (the file you downloaded in slide 4) and the Device Configuration Profile XML (the file you create in slide 14) to the host device. Save the files into the Documents folder on your host device

- You will now have 2 new file locations:

http://192.168.110.105:12345/Documents/knox_service_plugin_v1.2.74_0.apk

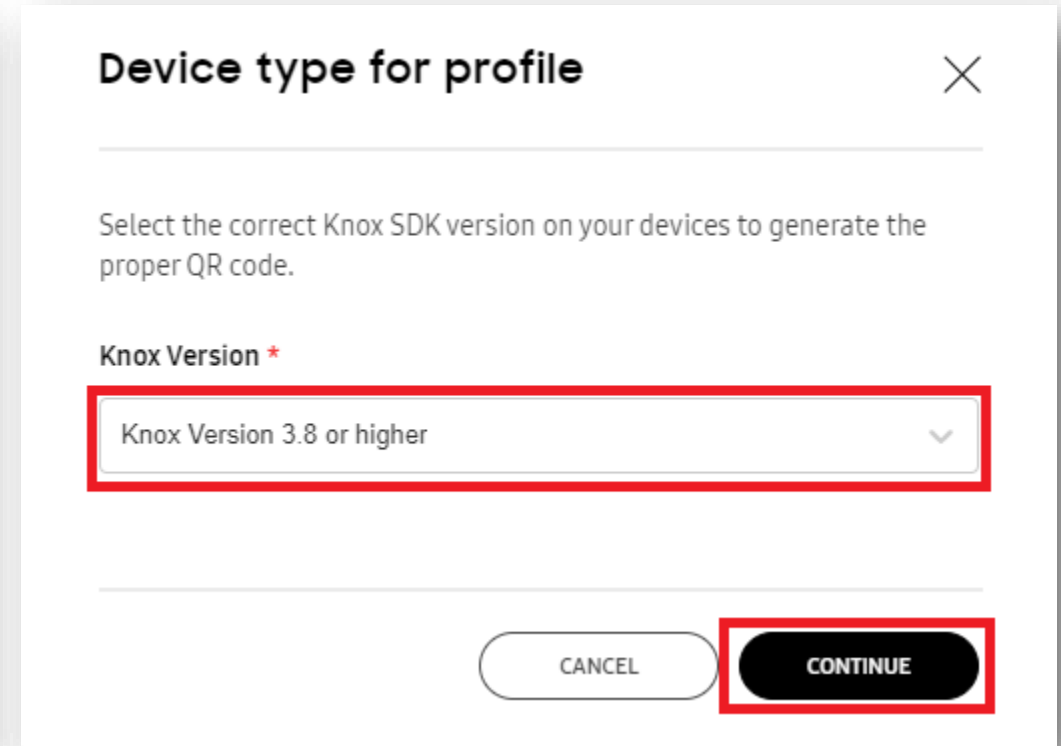
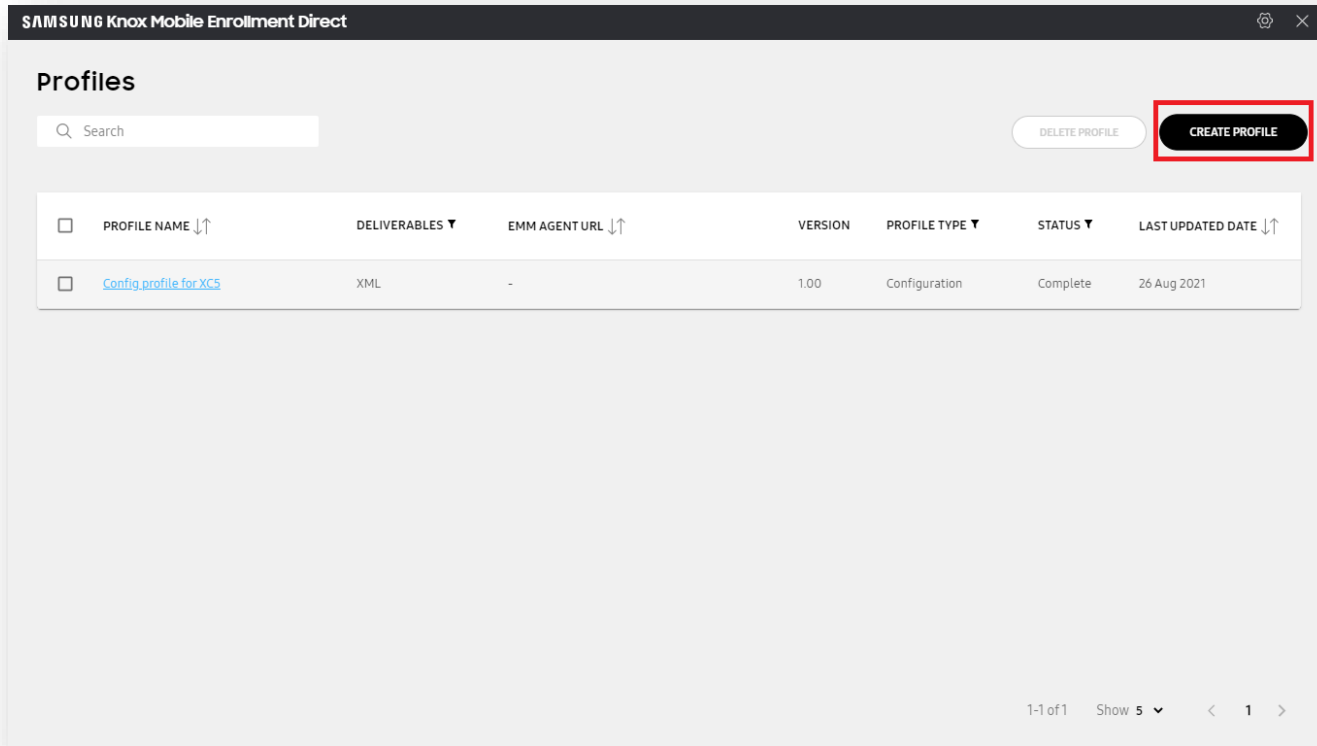
<http://192.168.110.105:12345/Documents/XC5config.xml>

- You will use these two files locations in our Device Deployment Profile



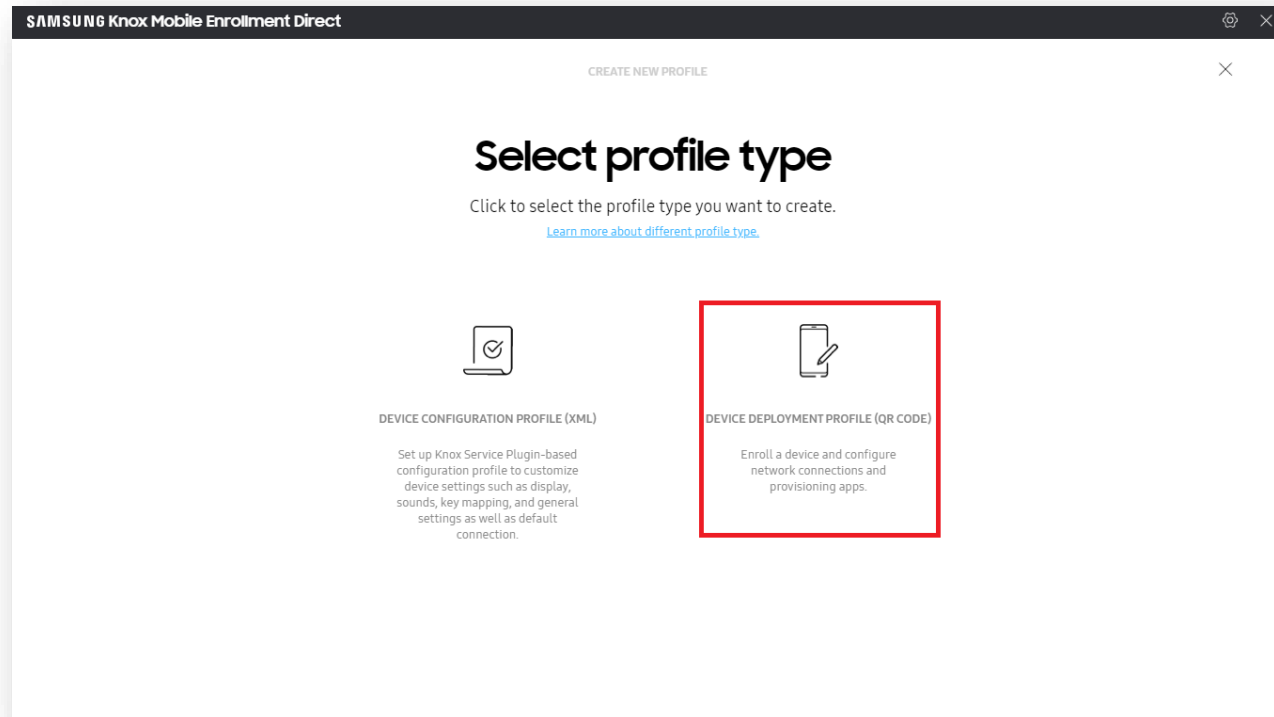
Create a Device Deployment Profile

- Open Knox Mobile Enrollment Direct and select CREATE PROFILE
- Select the Knox Version
- Select CONTINUE



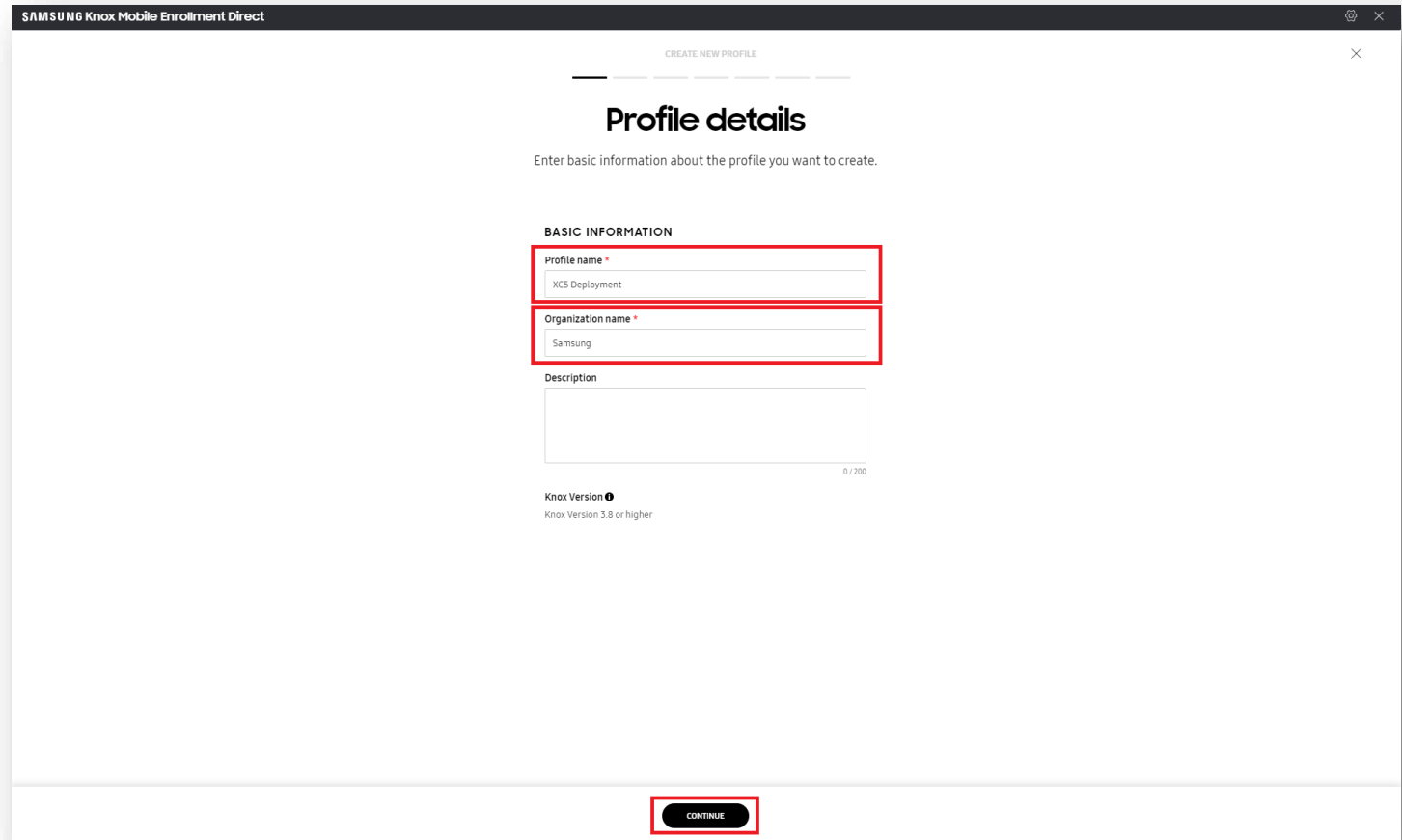
Create a Device Deployment Profile

- Select DEVICE DEPLOYMENT PROFILE (QR CODE)



Create a Device Deployment Profile

- Enter a Profile name of your choice
- Enter your Organization name
- Description is optional
- Select CONTINUE



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CREATE NEW PROFILE

Profile details


Enter basic information about the profile you want to create.

BASIC INFORMATION

Profile name *
XCS Deployment

Organization name *
Samsung

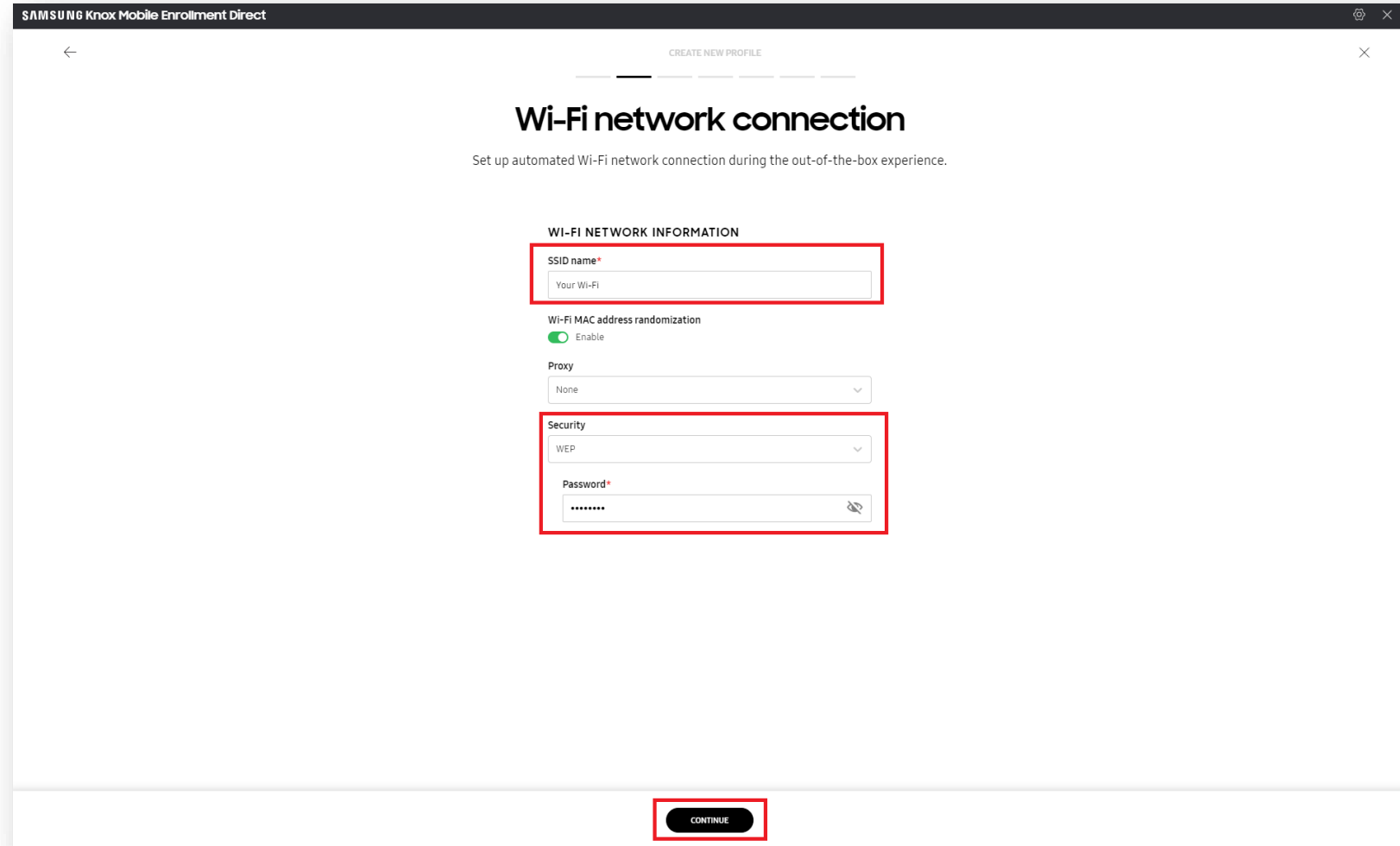
Description
0 / 200

Knox Version 
Knox Version 3.8 or higher

CONTINUE

Create a Device Deployment Profile

- Enter your Wi-Fi configuration details
- Select CONTINUE



SAMSUNG Knox Mobile Enrollment Direct

CREATE NEW PROFILE

Wi-Fi network connection

Set up automated Wi-Fi network connection during the out-of-the-box experience.

WI-FI NETWORK INFORMATION

SSID name*
Your Wi-Fi

Wi-Fi MAC address randomization
 Enable

Proxy
None

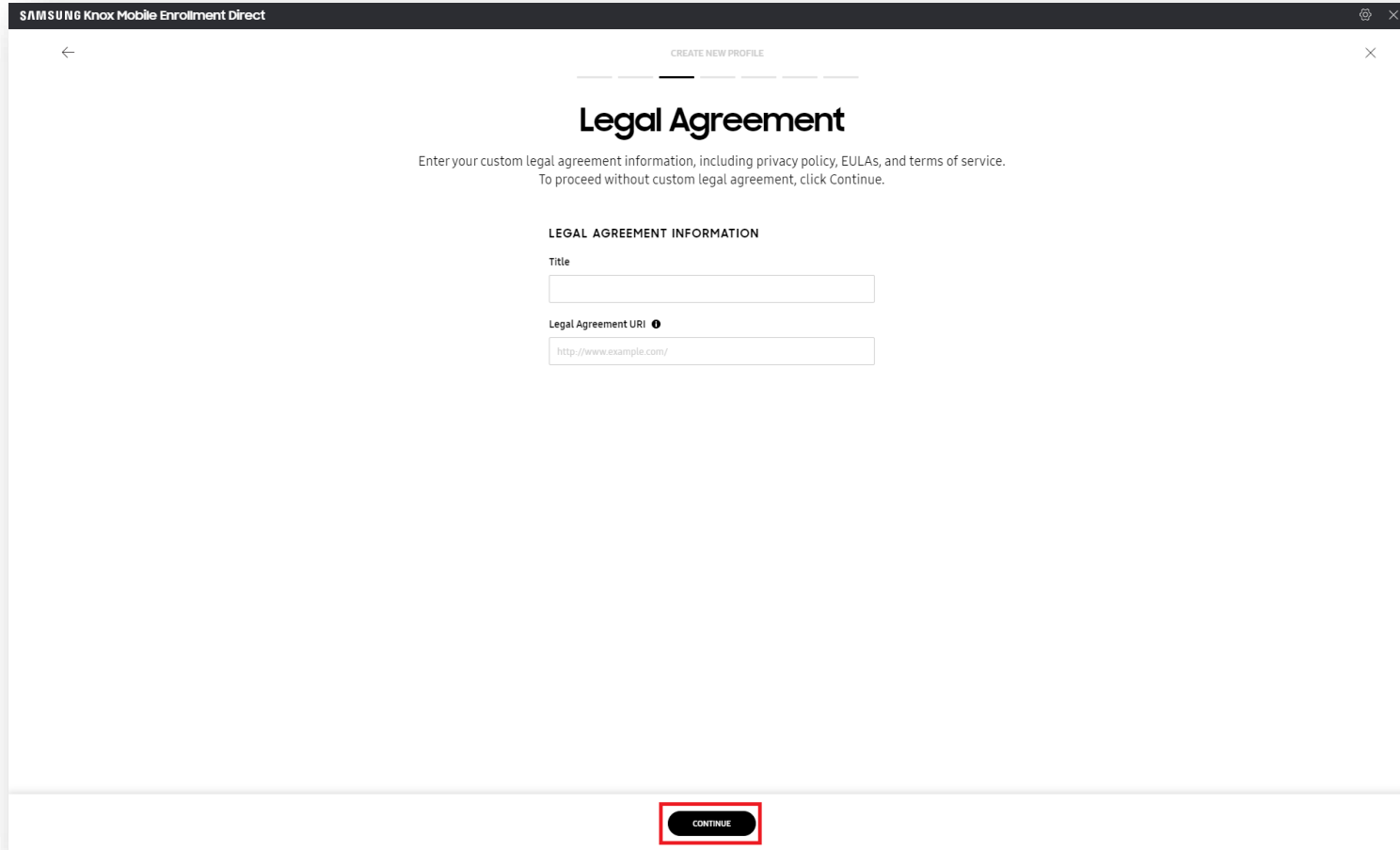
Security
WEP

Password*

CONTINUE

Create a Device Deployment Profile

- Legal Agreement is optional, Select CONTINUE



SAMSUNG Knox Mobile Enrollment Direct

← CREATE NEW PROFILE ×

Legal Agreement

Enter your custom legal agreement information, including privacy policy, EULAs, and terms of service.
To proceed without custom legal agreement, click Continue.

LEGAL AGREEMENT INFORMATION

Title

Legal Agreement URI ⓘ

CONTINUE

Create a Device Deployment Profile

- Select your Enterprise Mobility Management provider; the next fields will automatically populate. Depending which Management provider you're using will determine whether you have to enter custom JSON data. Check with your EMM provider if this is needed.
- Select CONTINUE

The screenshot shows the 'Android Enterprise Enrollment' page in the Samsung Knox Mobile Enrollment Direct application. The page title is 'Android Enterprise Enrollment' with the subtitle 'Set up an Android Enterprise profile.' Below this, there is a section titled 'ANDROID ENTERPRISE PROFILE' with a link to a 'Profile configuration User Guide'. The main form contains several fields: 'Enterprise Mobility Management provider' (a dropdown menu with 'Knox Manage' selected, highlighted with a red box), 'EMM agent URL' (text input with 'https://play.google.com/managed/download/ManagingApp?identifier=kno'), 'EMM agent's receiver component name' (text input with 'com.sds.emm.cloud.knox.samsung/com.sds.emm.emmagent.core.event.re'), 'EMM agent signature checksum' (text input with 'MzDUGUat9VKJ1Xv8FBmP2rts6f-5K4RFLVPmxxw6gpy#'), 'EMM server URI' (text input with 'http://www.example.com/'), and 'Custom JSON Data (as defined by EMM)' (a large empty text area). At the bottom, there is a 'Root/Intermediate certificate' section with an 'Upload file' button and an 'UPLOAD' button. A 'CONTINUE' button is located at the bottom center of the page, also highlighted with a red box.

Create a Device Deployment Profile

- In the Device Configuration Profile field, enter your XML address from slide 16. <http://192.168.110.105:12345/Documents/XC5config.xml>
- In the Knox Service Plugin field, enter your APK address from slide 16. http://192.168.110.105:12345/Documents/knox_service_plugin_v1.2.74_0.apk
- For Package name, enter: com.samsung.android.knox.kpu
- For Signing key, enter: NN8Oep8c8YkuRcBWtJc82BzPFIPaUNEa6krFpl-QCkl=
- Select CONTINUE

SAMSUNG Knox Mobile Enrollment Direct

CREATE NEW PROFILE

Additional deployment options

Set up the URI for the Device Configuration Profile that you created with KME Direct.
You can also add applications to deploy.

DEVICE CONFIGURATION

Specify the location for Device Configuration Profile (XML) and the Knox Service Plugin agent (APK). This option is only available to the [Device Configuration Profiles created in KME Direct](#).

Local server URI for a Device Configuration Profile (XML file)*

Local server URI for the Knox Service Plugin agent (APK file)*

Package name*

Signing key*

ADDITIONAL APPLICATIONS

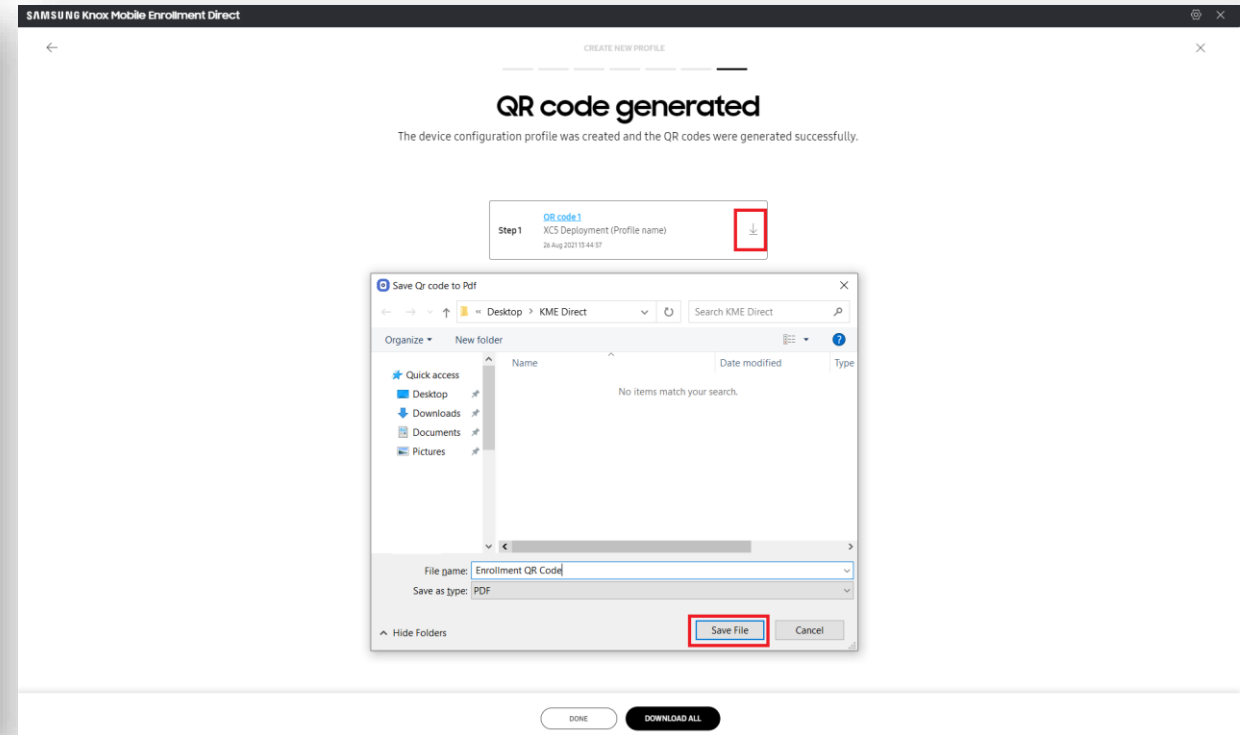
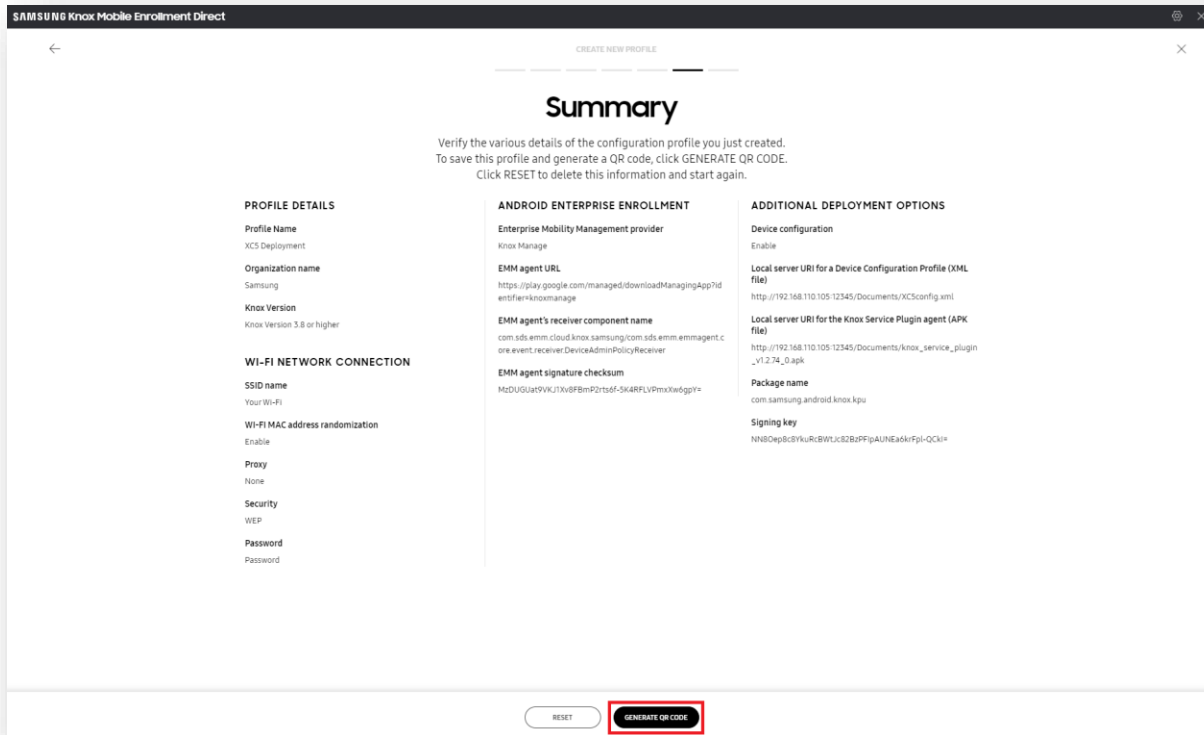
Add a package name and download URI to deploy an additional app.

[+](#) ADD A NEW APP

CONTINUE

Create a Device Deployment Profile

- Select GENERATE QR CODE
- Click on the DOWNLOAD ALL button and then Save the QR code

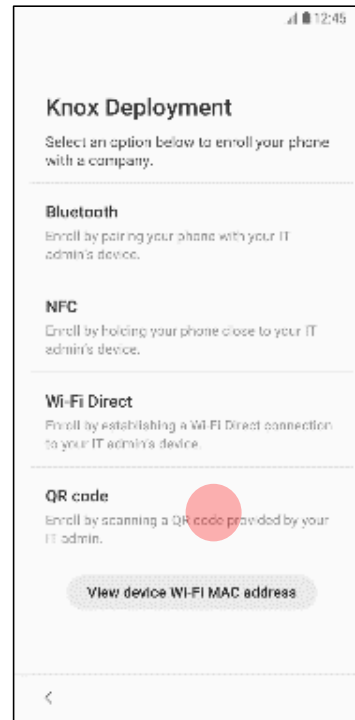
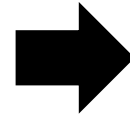


Device Enrollment

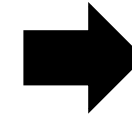
- You can now enroll your devices, make sure that your Simple HTTP Server app is still running.



Gesture a + symbol on the Let's go! screen



Select QR code



Scan the QR code, the device will then begin to stage

Document Information

This is version 1.0 of this document.

Thank you!

