

Android enterprise

Work-Managed enrolment
QR code provisioning



MobileIron Core



Android 7.x

September 2017

Enterprise Mobility documentation by baytuon

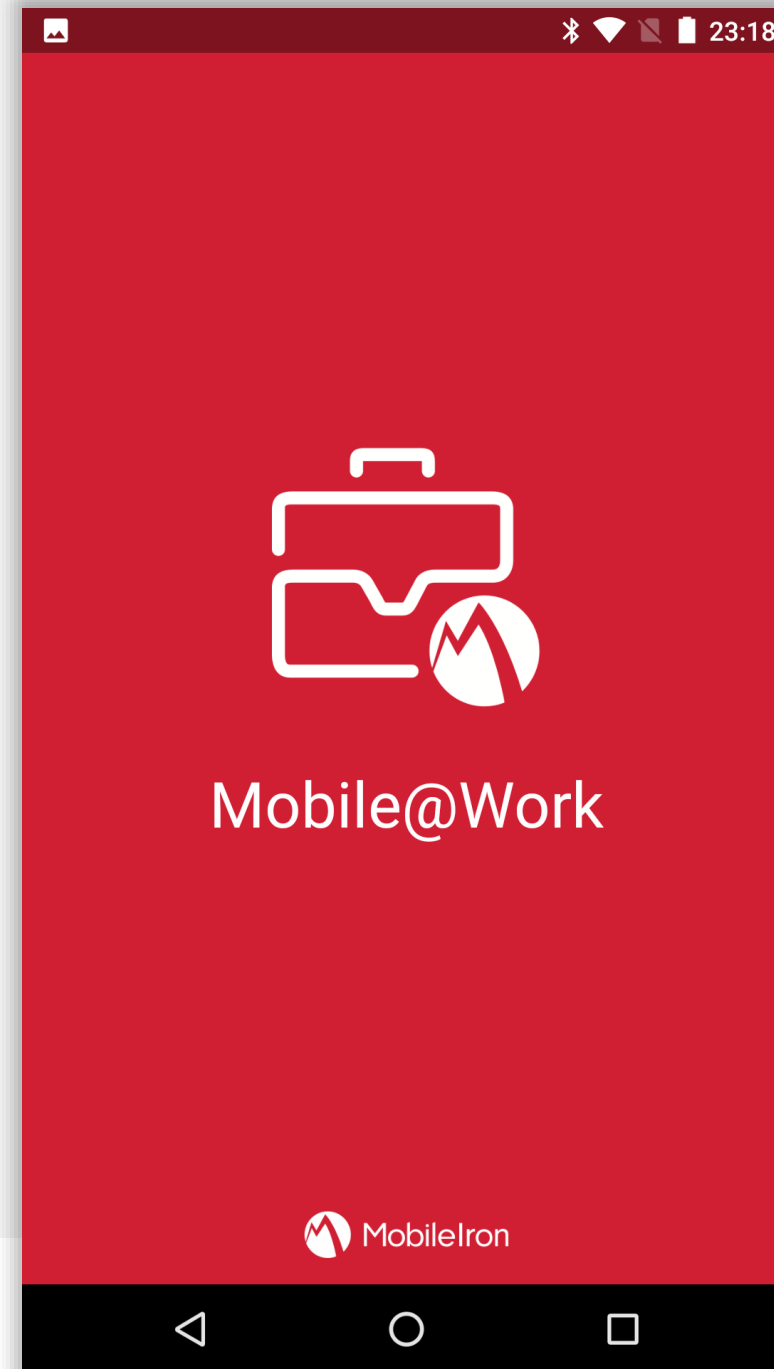


Requirements

In order to proceed, you must have:

- Android 7.0 or later installed on the devices to be provisioned. Earlier Android versions are incompatible.
- OEM support for QR code provisioning.
- A functional MobileIron EMM solution in place.
- Android enterprise fully configured on your EMM platform.

QR provisioning is the newest form of Android enterprise Work-Managed enrolment and is not widely supported. Consider as an alternative NFC enrolment or DPC identifier enrolment.





Configure the QR code

Before Android enterprise QR enrolment can occur, you must generate a QR Code unique and up to date with your environment and the latest MobileIron DPC APK.

A good resource for QR code generation can be found here:

<https://bayton.org/docs/enterprise-mobility/mobileiron/manual-android-enterprise-work-managed-qrcode-generation-for-mobileiron/>



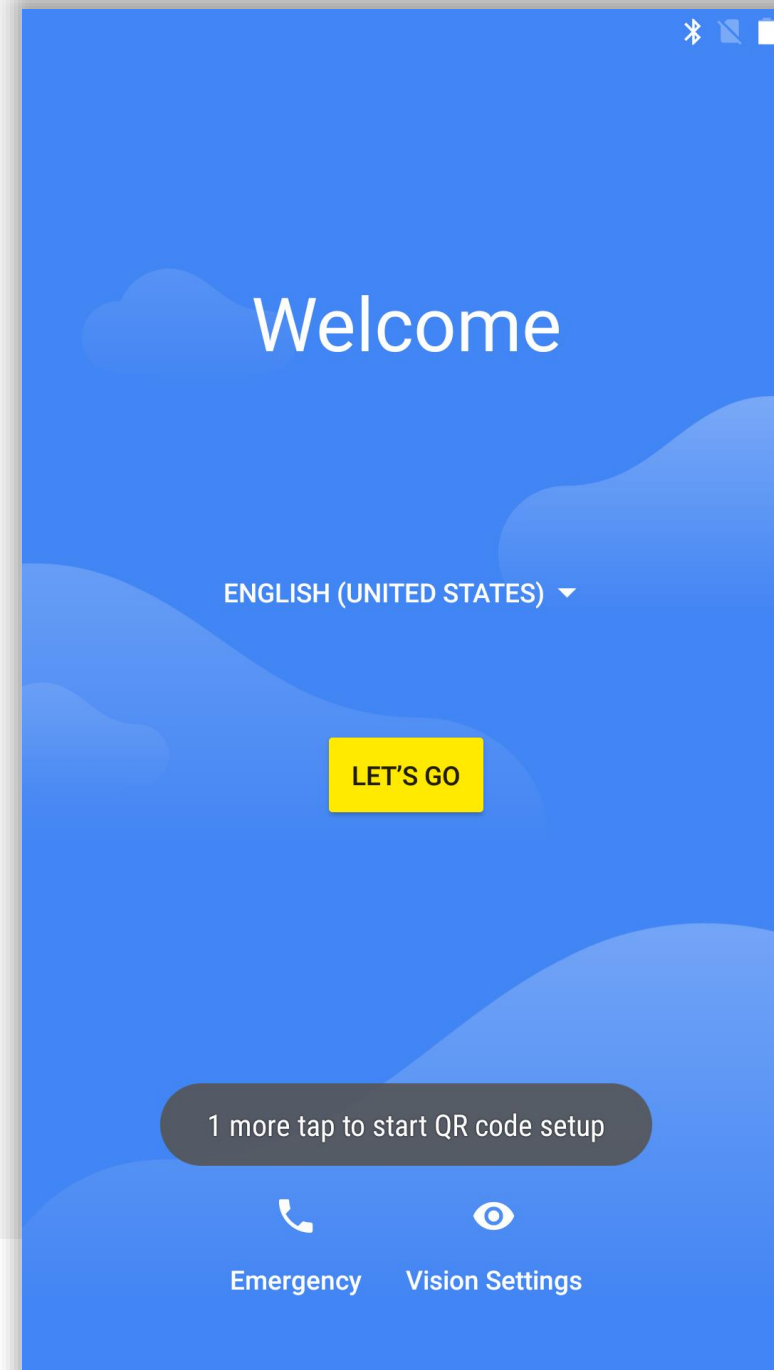


Initiate the QR reader

Hidden on the Welcome screen of many* Android 7.0+ devices is a QR reader initiation process.

The simplest way of knowing if the device supports QR provisioning is by tapping on **Welcome** 6 times in quick succession.

*Not all OEMs support QR code enrolment, be sure to validate this before attempting provisioning.

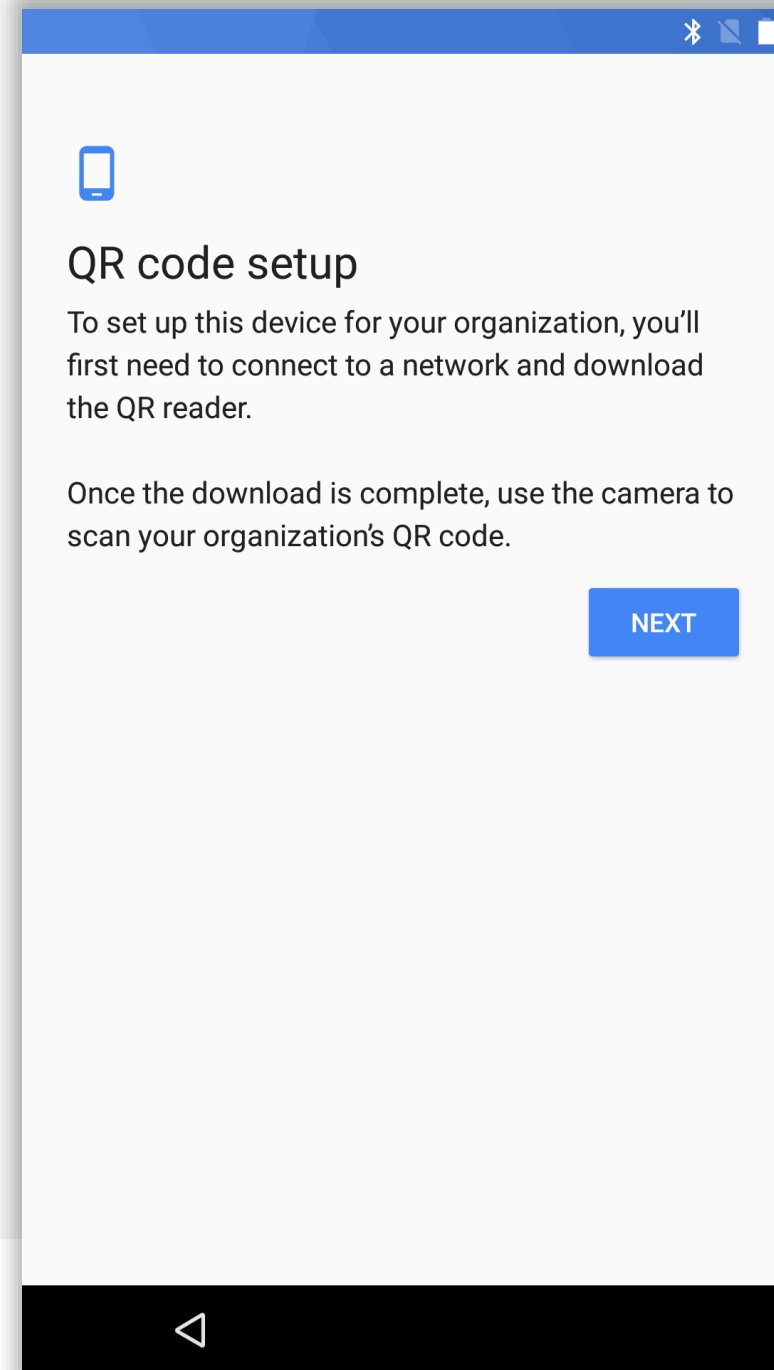




Initiate the QR reader

Once the QR process has successfully initiated, QR code setup will display.

Tap **NEXT** to continue.



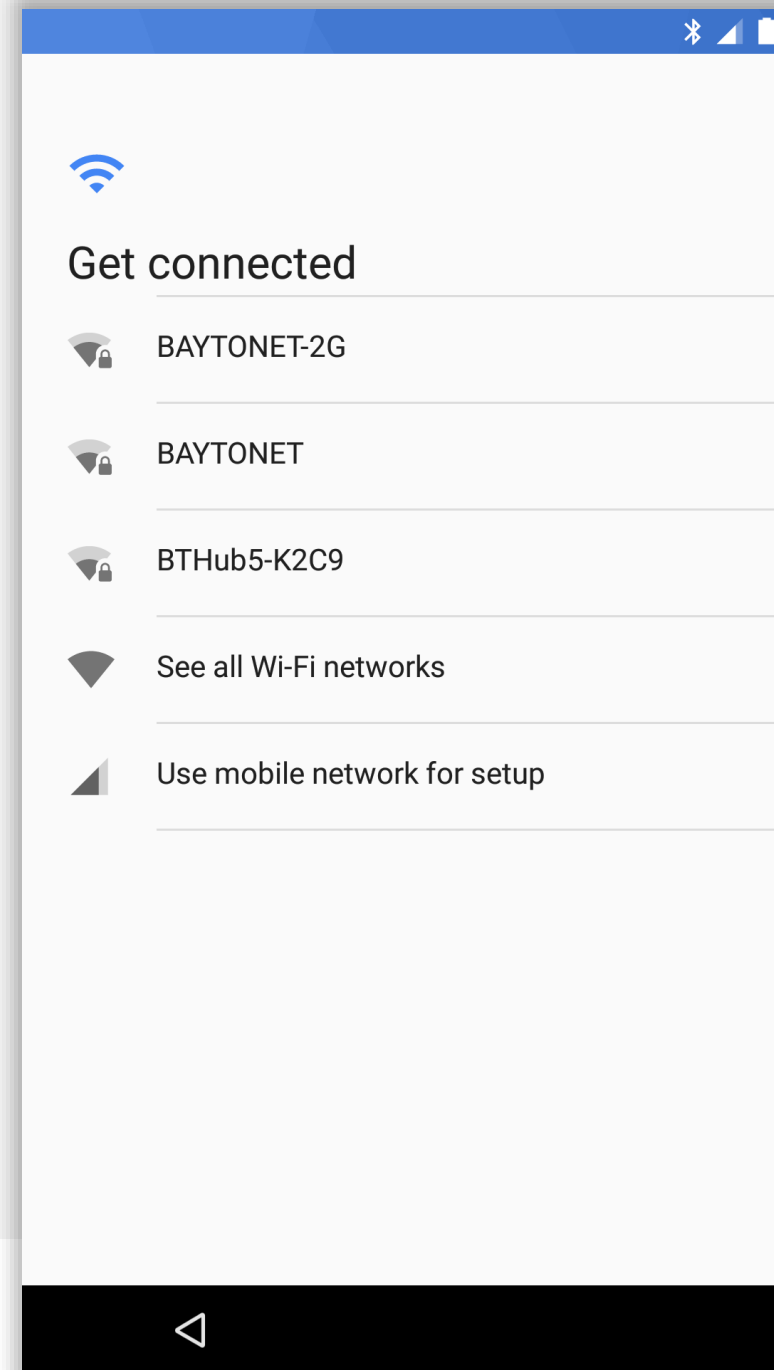


Initiate the QR reader

You will be prompted to connect to WiFi in order to continue the provisioning process.

Tap an SSID and authenticate to continue.

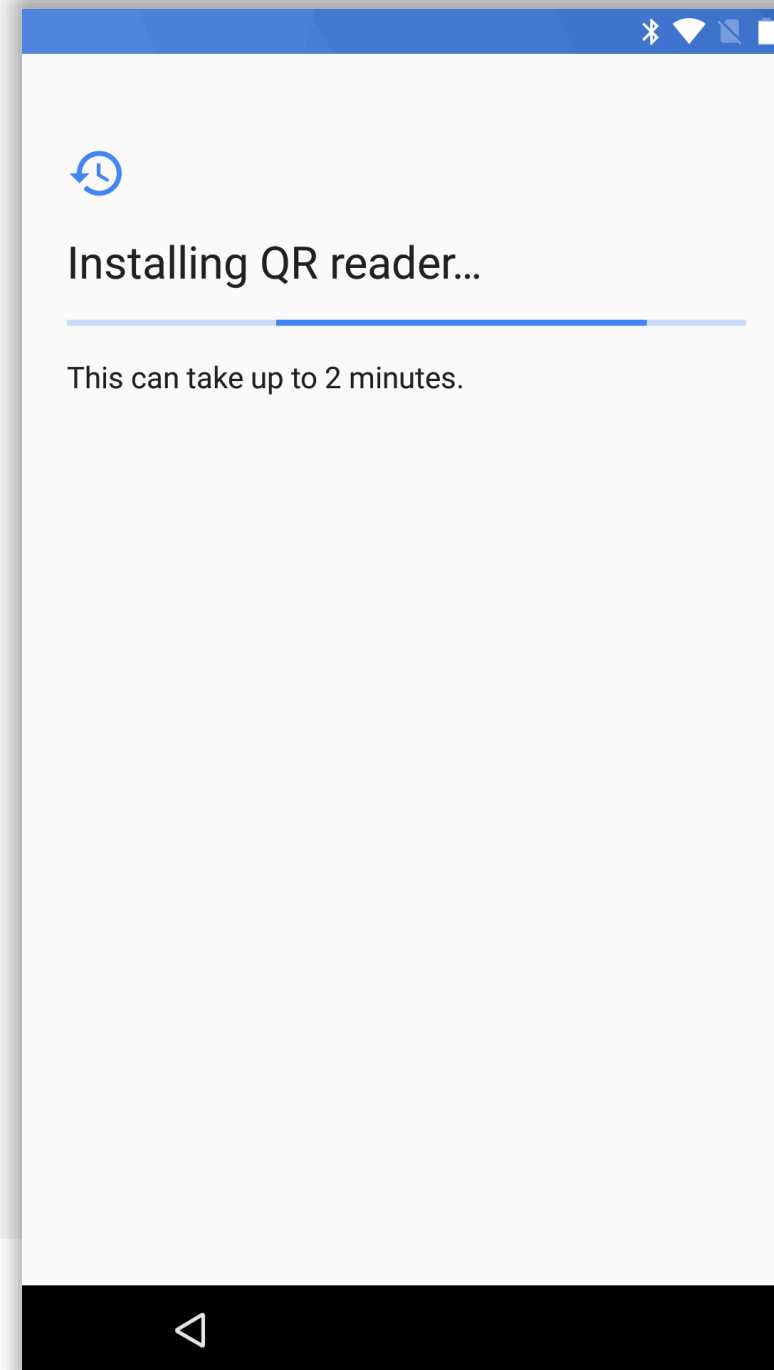
Alternatively, for devices with an active data connection, WiFi can be skipped by selecting **Use mobile network for setup**.





Initiate the QR reader

The device will check for updates, install the QR reader and continue automatically.





Scan the QR code

Once installed successfully, the QR reader will automatically launch.

At this point, locate the QR code using the device camera. Both front and rear-facing cameras may be used.

Note:

If the QR code is not valid, the device will fail to provision and may request a factory reset. This is a time-consuming process so do ensure the QR code being scanned is valid.



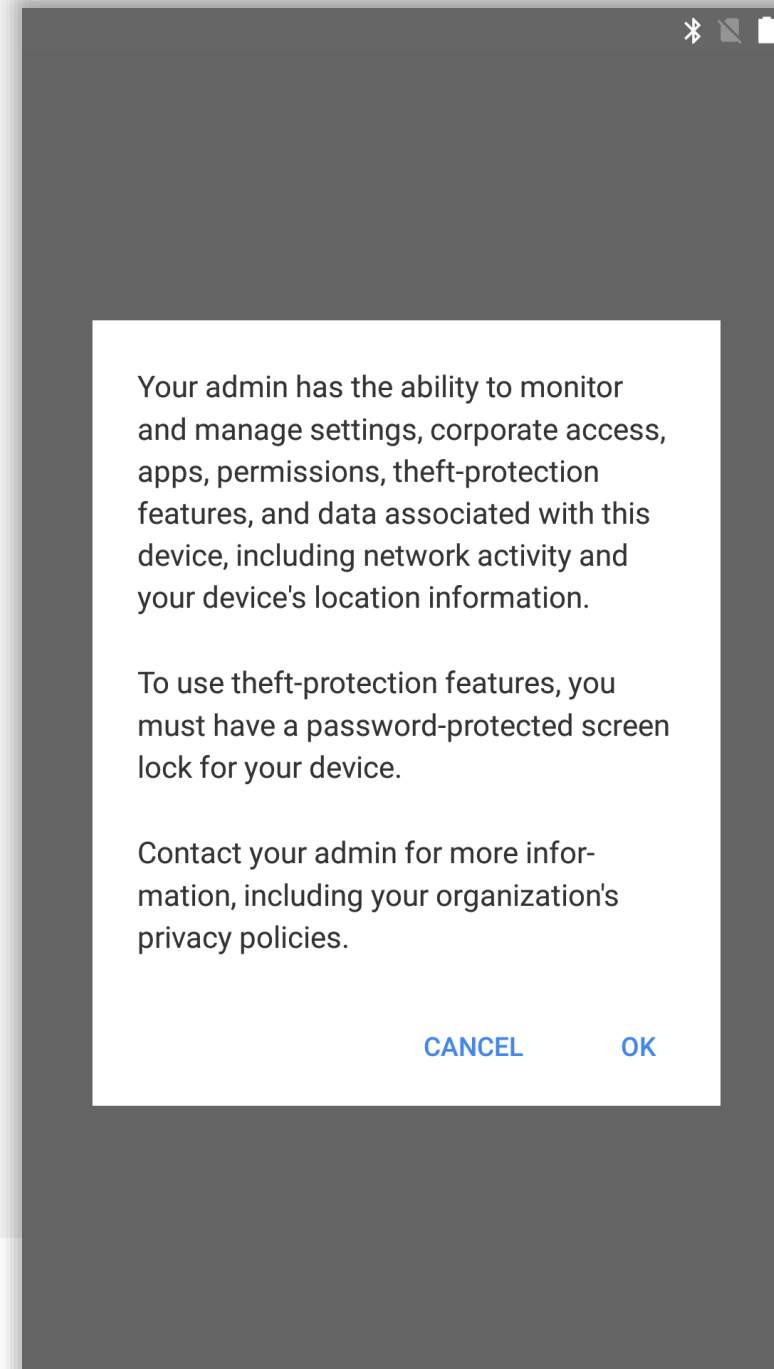


Begin provisioning

Once the QR payload has been transmitted, the device being provisioned will display a prompt with an overview of monitoring capabilities.

You must accept the device being managed by the organisation in order to begin provisioning.

Tap **OK** to proceed.



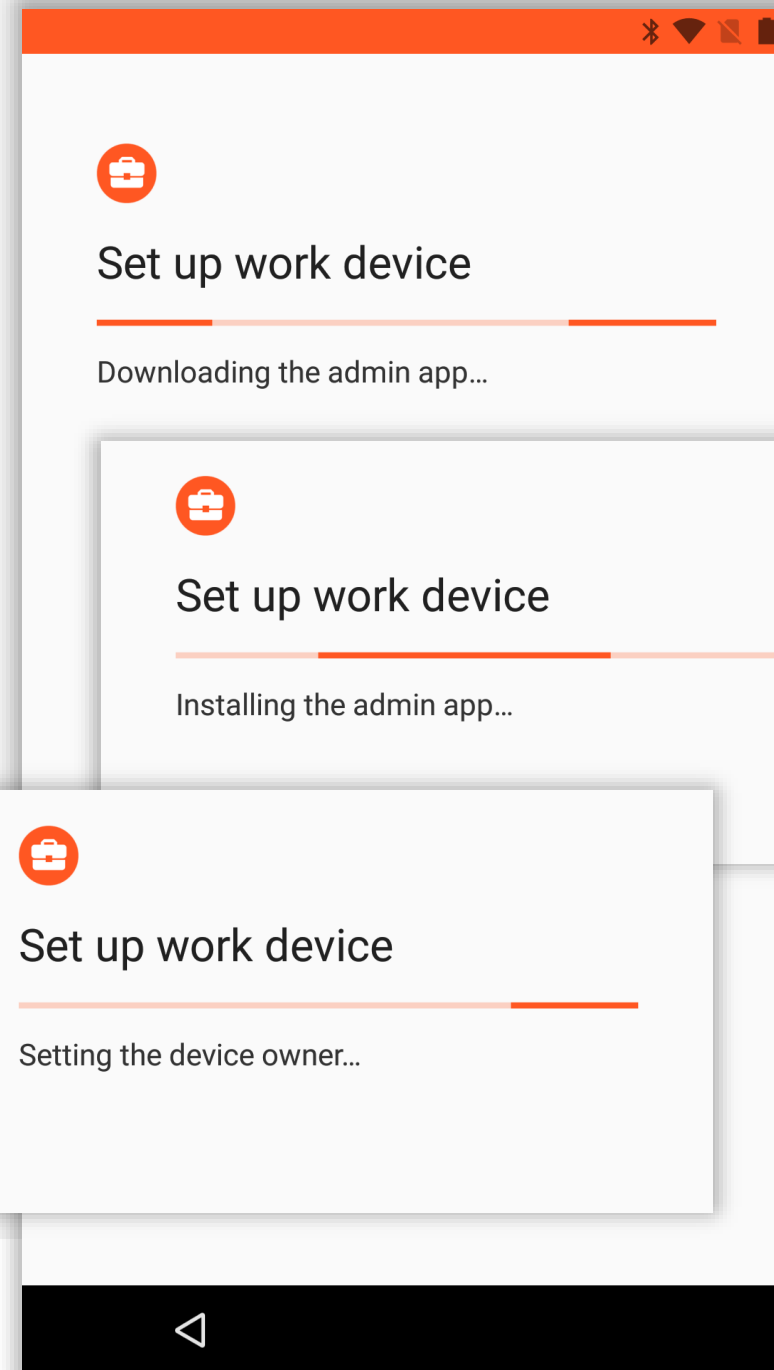


The device will provision

The device will attempt to download the DPC provided in the QR payload, install it and set MobileIron as the device owner.

This may take a few minutes.

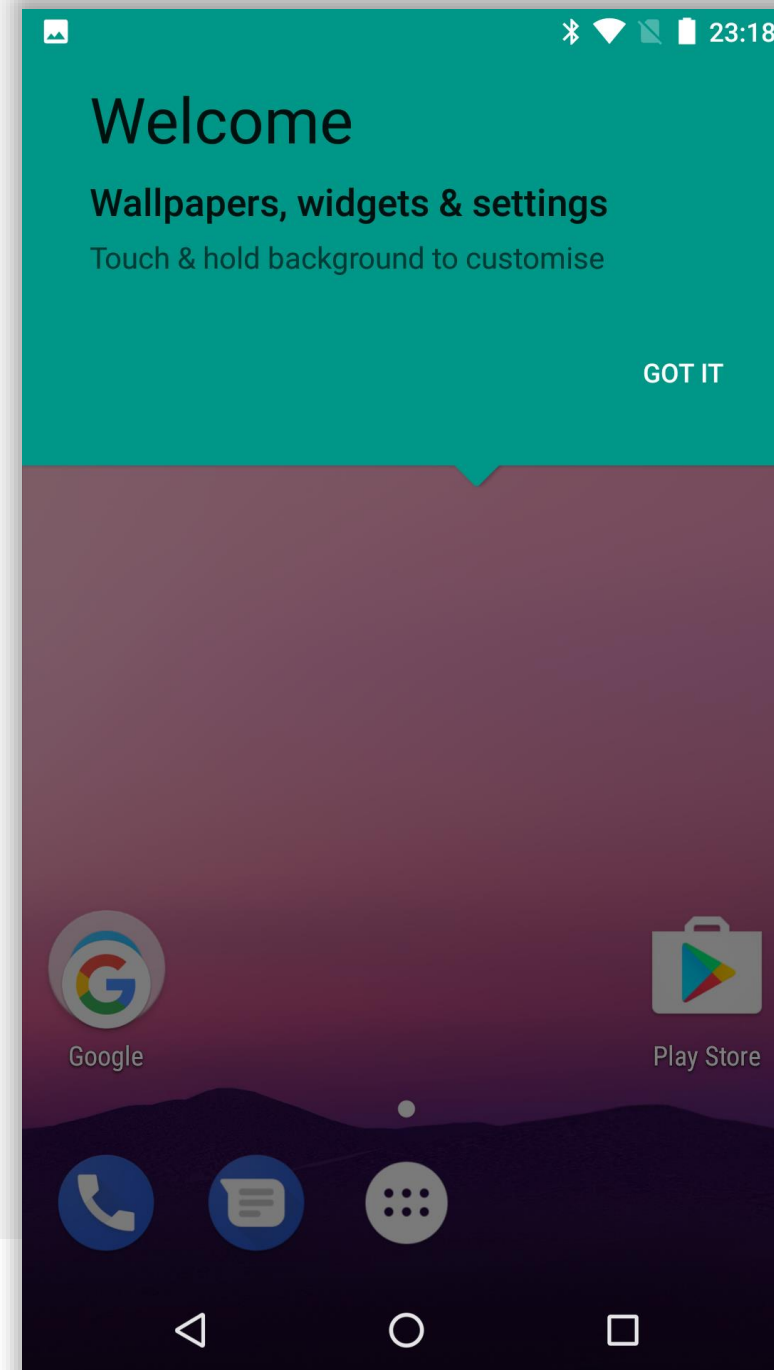
The following prompts may include license acceptance, agreement to services or finishing the setup Wizard. This varies between OEMs, however when complete the device will display a sparse home screen before the DPC launches.





Provisioning complete


When Android enterprise provisioning is complete, the DPC will automatically launch from the home screen. There is no need to manually open the DPC.





Begin enrolment

Input your email address (or switch to server URL if required).
Tap NEXT.



10:44

Get Ready for Work with MobileIron

To configure and secure your device, enter your company email

COMPANY EMAIL

Email

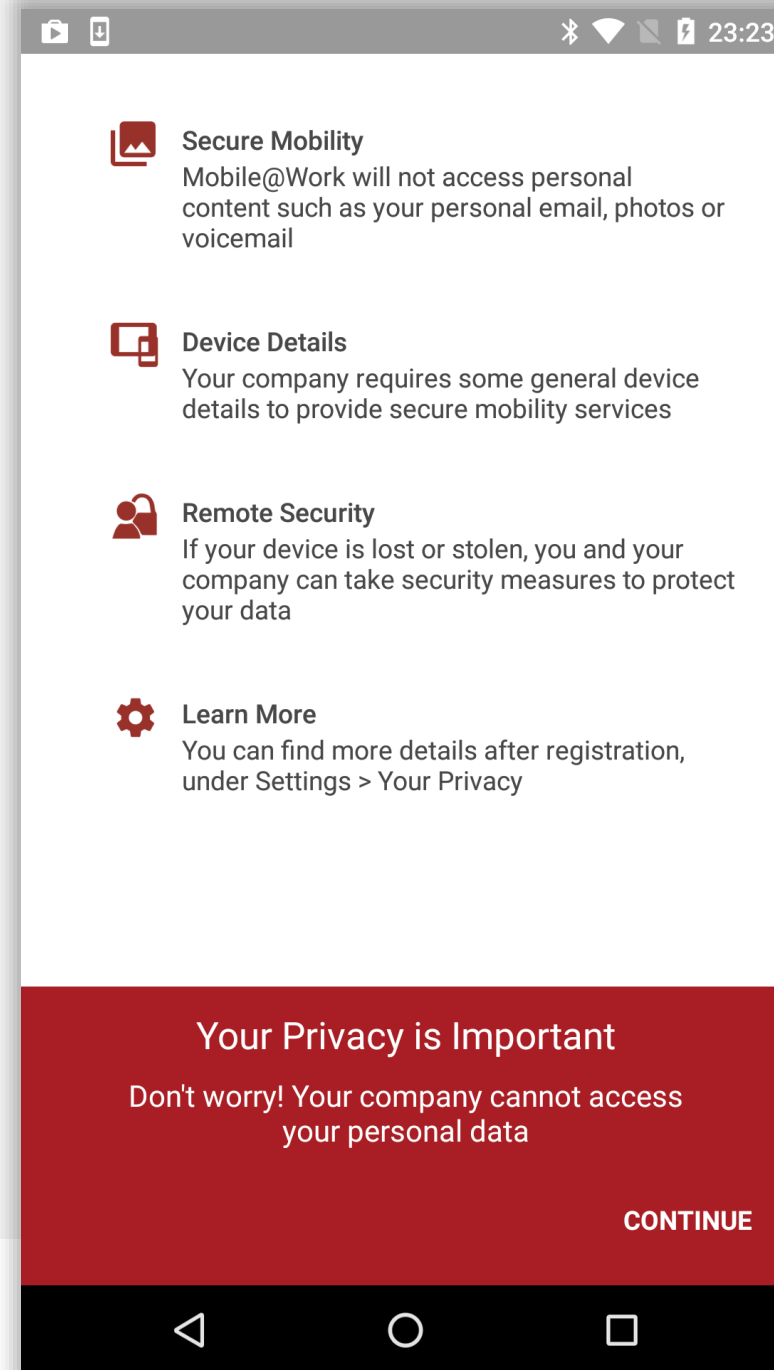
[Or register with server URL](#)

NEXT



Continue enrolment

Accept the privacy alert by tapping **CONTINUE**.





Continue enrolment

Once your account has been found and validated, you'll be prompted for your password, PIN or both.

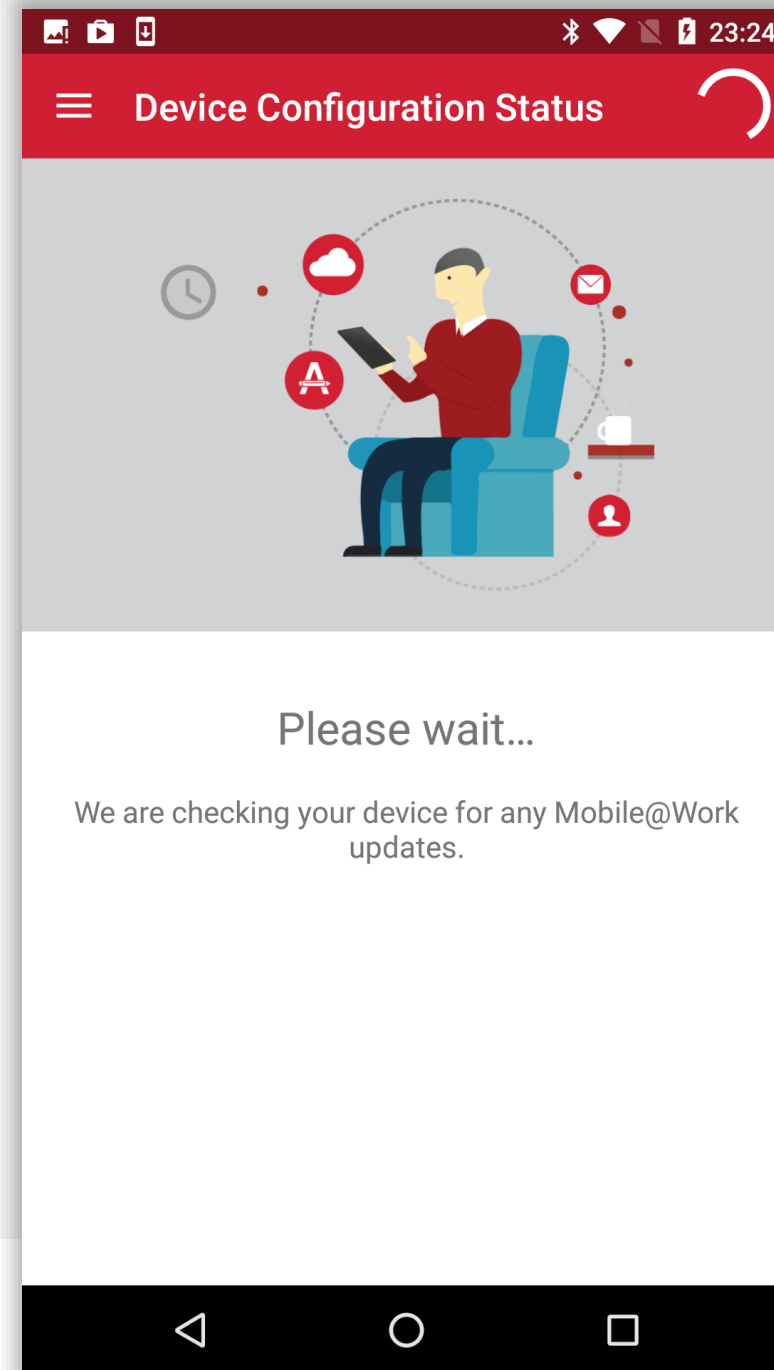
Enter the required fields and tap **SIGN IN**.

The screenshot shows a mobile application interface for signing in. At the top, there's a header with a menu icon, a status bar showing 'LTE' and '10:46', and an illustration of a person at a desk. Below the header, there are two input fields: 'COMPANY EMAIL' with the value 'jason@bayton.org' and 'PASSWORD' with the placeholder 'Password'. A red 'SIGN IN' button is located to the right of the password field. At the bottom, there is a QWERTY keyboard with a green checkmark button on the right. The bottom of the screen shows the Android navigation bar.



Device configuration

The DPC will now configure the device, bringing down the relevant policies and configurations.



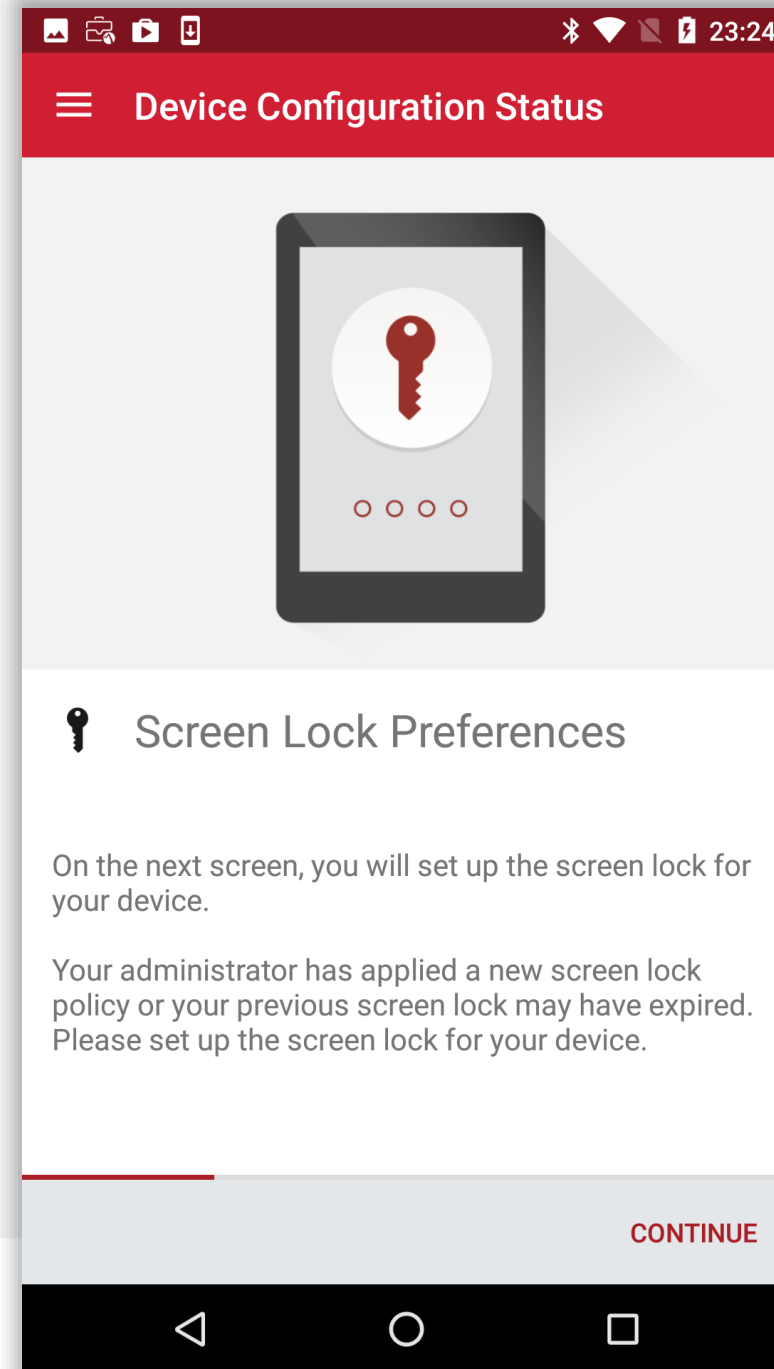


Device configuration

If the relevant security policy has been deployed, a passcode will be required.

The type of passcode mandated may not be a PIN as depicted in the following steps. The process however is similar for all alpha/numeric passcode options.

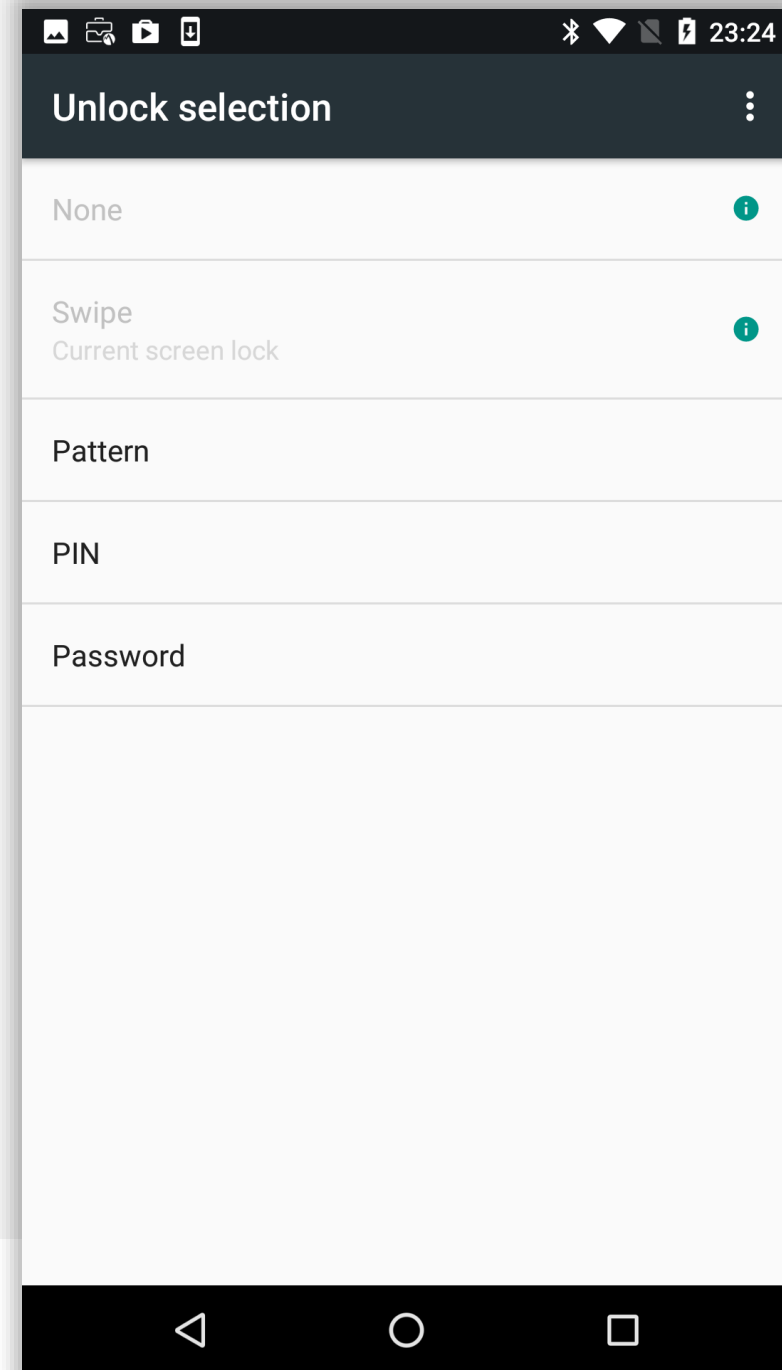
Tap **CONTINUE**.





Device configuration

Select the relevant passcode, some options may not be available depending on the security policy deployed.

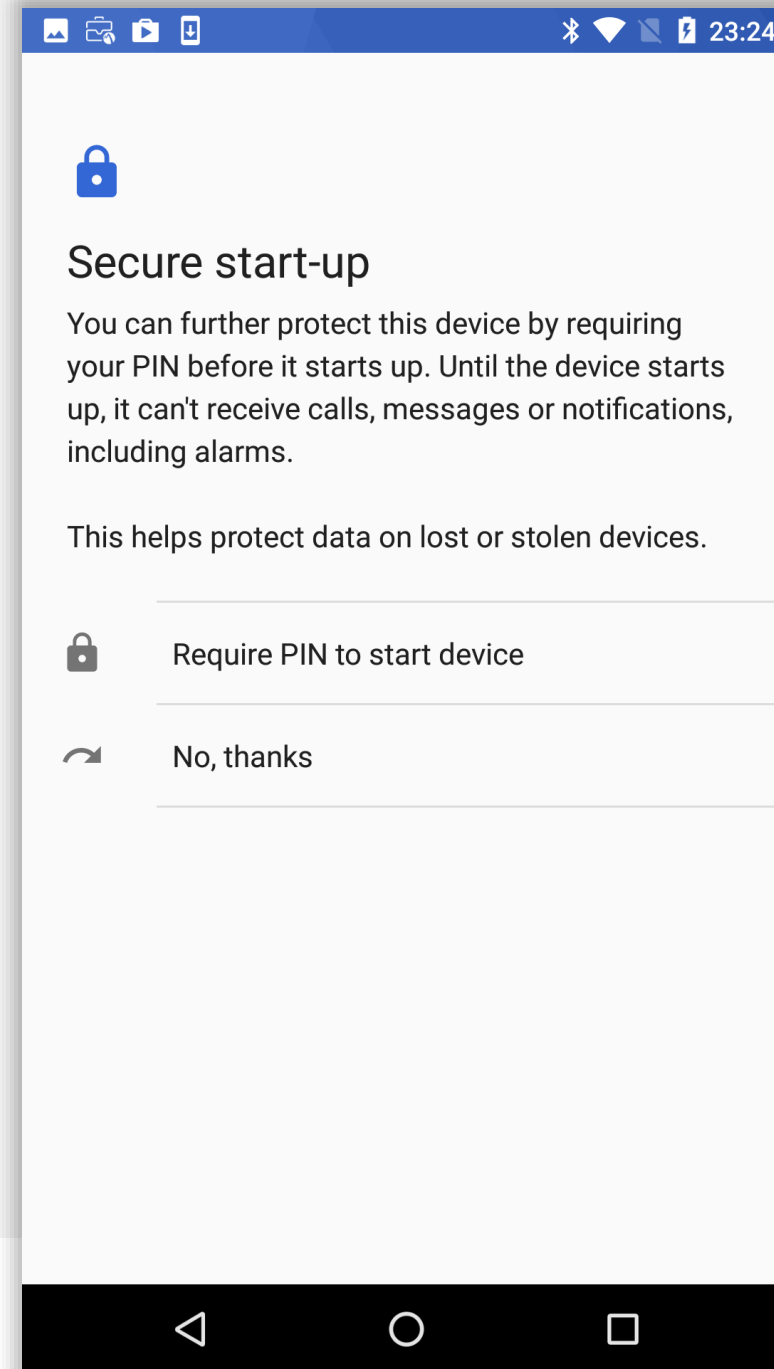




Device configuration

Before inputting a passcode, the device may display a prompt to opt in to secure start-up.

While it is more secure to require the passcode on device boot, it will result in a longer boot process.





Device configuration

Input a PIN (or other passcode type) and tap **CONTINUE**.
Repeat to confirm.

Choose your PIN

PIN must be at least 4 characters

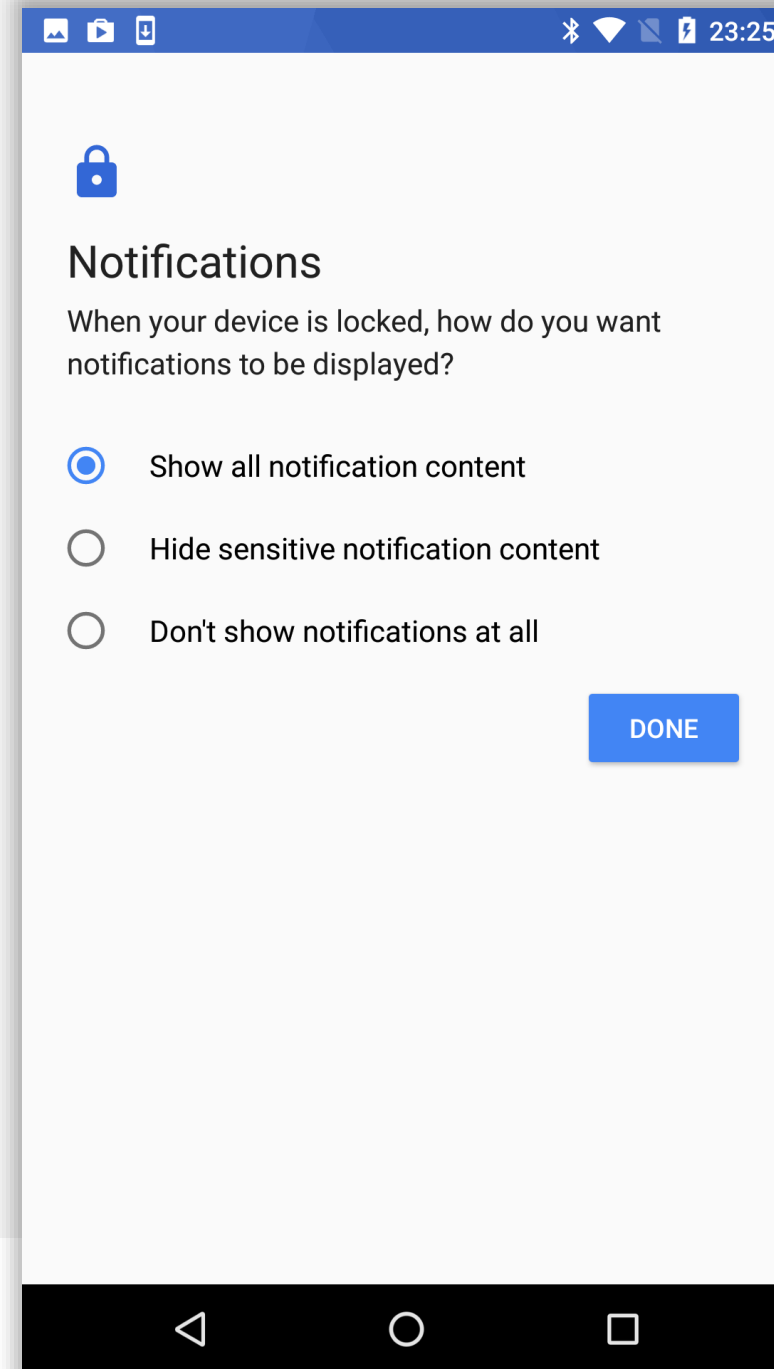
Cancel CONTINUE

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PRQS	8 TUV	9 WXYZ
⌫	0	➔



Device configuration

Permit or prohibit notification content and tap **DONE**.



The image shows a screenshot of an Android phone's notification settings. At the top, there is a blue status bar with icons for camera, gallery, and a lock icon, along with the time 23:25. Below the status bar is a white header with a blue lock icon. The main title is "Notifications" in bold. Below the title is a question: "When your device is locked, how do you want notifications to be displayed?". There are three radio button options: "Show all notification content" (selected), "Hide sensitive notification content", and "Don't show notifications at all". A blue "DONE" button is located at the bottom right of the settings area. At the very bottom of the screen is a black navigation bar with three white icons: a back arrow, a circle, and a square.

Notifications

When your device is locked, how do you want notifications to be displayed?

- ☒ Show all notification content
- ☐ Hide sensitive notification content
- ☐ Don't show notifications at all

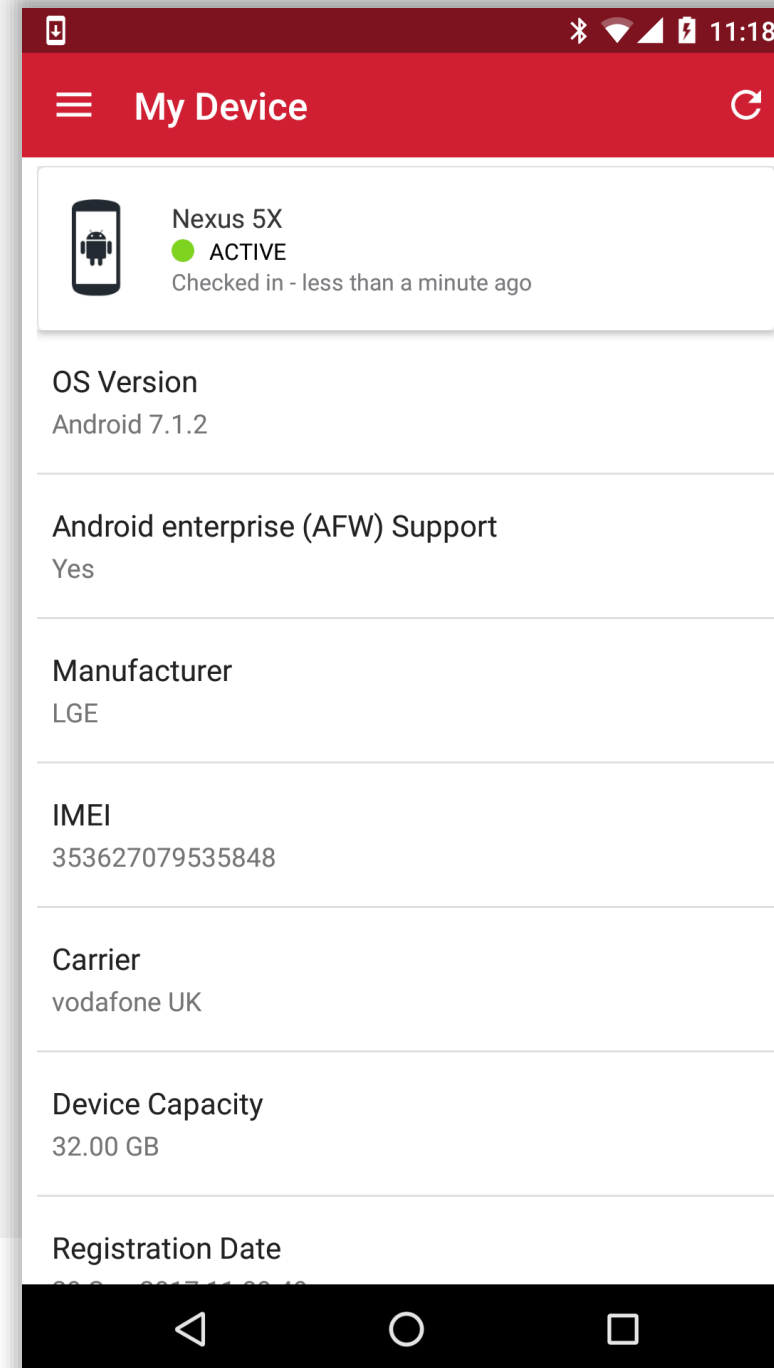
DONE



Configuration complete

The device has now completed initial configuration and will continue to pull down applications and resources in the background if configured.

You may tap the home (O) button to leave the DPC.



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Updates to this document can be found here:

[Android enterprise provisioning guides](#)

