Supply Chain Android Device Management in MobileIron Cloud

MobileIron offers all of the essential supply chain device management features, including unified management of all devices, simplified device provisioning, extensive security configurations, and granular application management.

This guide walks through the basics of getting started managing supply chain Android devices in MobileIron Cloud. It focuses on enrolling and managing work managed devices (also known as device owner or fully managed devices), and lockdown devices (also known as kiosk, dedicated, or COSU devices).

> **ℹ** The steps described in this guide assume you have been through the MobileIron Cloud initial set up wizard and have created administrator accounts.

Configuring MobileIron Cloud

- **Check required network ports.** Android Enterprise requires device communications to pass through Google services. For a list of required ports, see Preparing for Android Enterprise device support.

- **Enable work managed device mode.** In the MobileIron Cloud console, navigate to **Configurations > Android**. Hover over **Android Enterprise: Work Managed Device (Android for Work)**, and click **Default Space**. Click the **Edit** icon. Select either **All Devices** or **Custom**. If you select custom, select which device groups to send the configuration to. You can add additional device groups to this configuration at any time.

Enrolling devices

1. **Enroll work managed devices.** Work managed device mode is used for company-owned devices, giving administrators full control over the device and its data. Work managed device mode offers extensive control over device apps, policies, and settings. For information about enrolling work managed devices with NFC and QR code provisioning, see Using Device Owner. For information about bulk enrolling devices using a CSV, see Bulk Enrolling Devices Using CSV File Upload.

2. **(Optional) Enable lockdown/kiosk mode.** Lockdown mode (also known as kiosk mode) locks work managed devices to a single app or set of apps. Lockdown mode is a subset of work managed device mode. To put a device into lockdown mode, enroll it as a work

managed device, then send it a lockdown configuration. For information about creating a lockdown configuration, see Setting Up Kiosk Mode for Android. For information about the settings available in lockdown configurations, see Lockdown & Kiosk: Android Enterprise.

Managing devices

- **Create custom attributes.** Assign custom attributes to devices to increase the specificity of device management. Custom attributes can be used to target configurations and create device groups. For information about creating custom attributes, see Assigning Custom Attributes to Devices.

- **Create device groups.** Create device groups for easy management of many devices. You can filter devices by group and assign policies and configurations to them. For information about creating device groups, see Device Groups.

- **Configure device settings.** Configurations are collections of settings that you send to devices. For example, you can use configurations to automatically set up VPN settings and passcode requirements on devices. For information about creating configurations, see Configurations. For information about the available configuration types, see Configuration Types.

- **Create compliance policies.** Policies define actions that should be taken automatically when devices fail to meet certain requirements, such as what will happen if a device does not check in within a specific time range. For information about creating policies, see Policies.

- **Configure and distribute software.** Approve apps from the Google Play Store and add them to the MobileIron app catalog by navigating to **Apps > App Catalog > Add**. Select **Google Play** from the store drop-down menu. After adding an app, select which devices to distribute it to. Silent install and install window options are available in the app configurations section after distribution groups are selected. For information about approving and distributing apps, see App Catalog. For information about app configurations, see Managed Configurations for Android. For information about setting application runtime permissions, see Default App Runtime Permissions.

- **Perform actions from the console.** Select a device or device group in the **Devices** tab to perform tasks such as sync, lock, and wipe. For information about available device actions, see Devices.