SOTI®

ONE PLATFORM - CONNECTING EVERYTHING

E-FOTA Solution on MobiControl
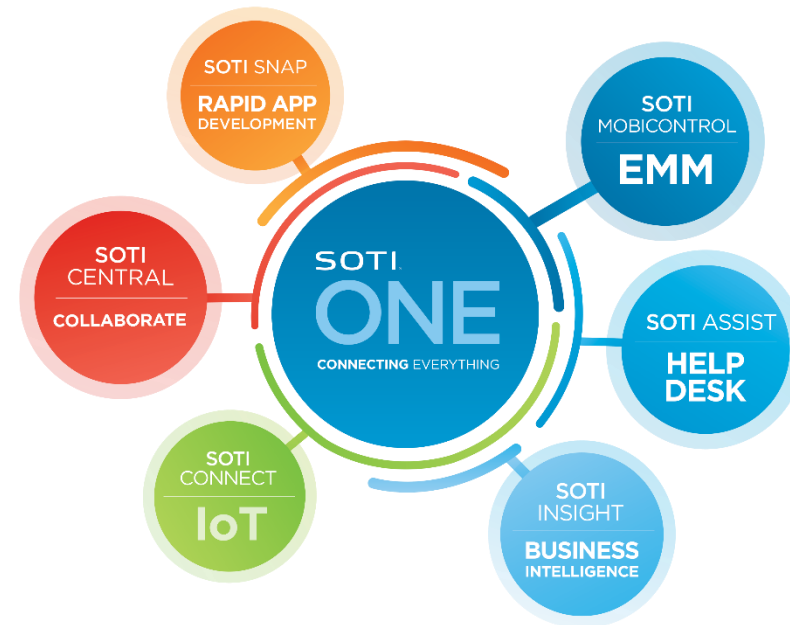
Ricky Garcia

Director, Strategic Alliances

AGENDA

- Introductions
- What is FOTA?
- Introduction to E-FOTA
- E-FOTA License
- E-FOTA Enrolment
- E-FOTA Upgrades on MobiControl
- SOTI & Samsung

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What is FOTA?

Firmware Over The Air:

- Currently all mobile enterprise devices in the world, be it Samsung, Apple, or any other smartphone, receives their firmware upgrade from a **Business-To-Consumer** (B2C) FOTA server.

- Enterprise businesses and administrators don't have control over the firmware upgrades that is being pushed over to their devices.

Current solution:

- MobiControl MDM includes a policy that allows the administrator to **block** the firmware upgrades. However, there is no proper way to correctly manage and control OS versions on the devices.

Perform OTA Update

Perform OTA Update

Perform OTA Update

FOTA & MobiControl

FOTA & SOTI:

- Software upgrades being managed by end user and via a **Business-To-Consumer** (B2C) FOTA server.

- MobiControl Policy

Introduction to E-FOTA
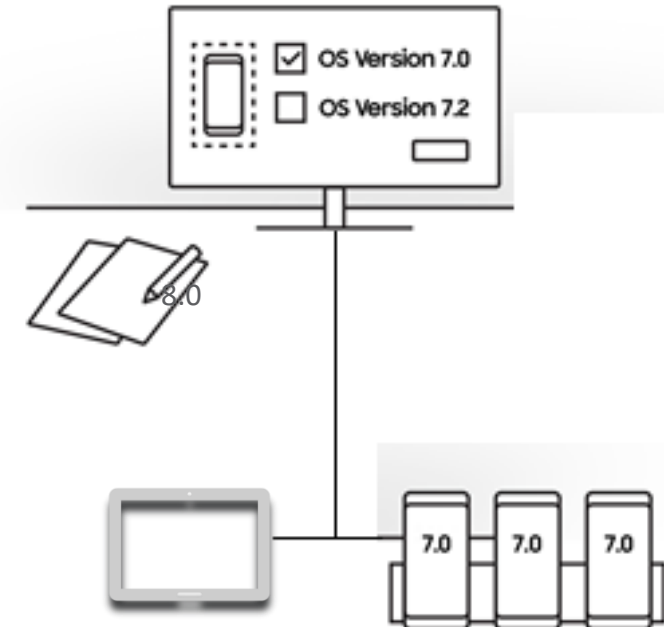
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Enterprise Firmware Over the Air:

- E-FOTA primarily goal is to enable MDM Administrators to have FULL control and manage all possible options of firmware upgrades on their enterprise devices.

- E-FOTA allows MDM Administrator to manage and restrict firmware updates on Samsung.

E-FOTA Benefits:

- IT administrators can test updates before deployment.

- Ensure compatibilities between in-house software (apps) and the new OS version. To avoid new OS unknown issues.

- IT admins can upgrade device OS versions without interrupting end-users.
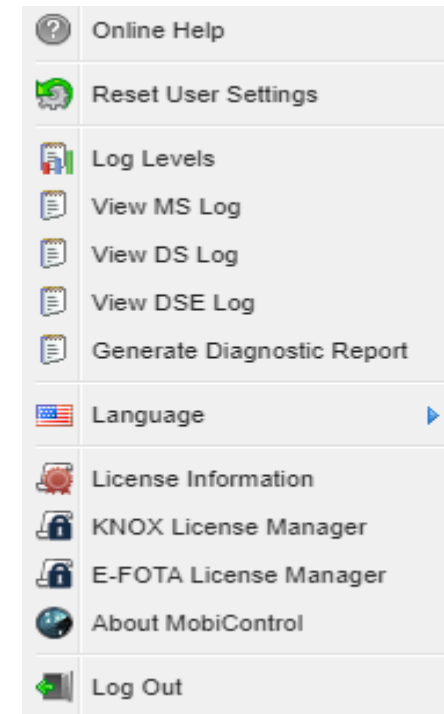

SAMSUNG **E-FOTA**

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E-FOTA License Manager

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Retrieve Oauth token to be used with the E-FOTA API's.

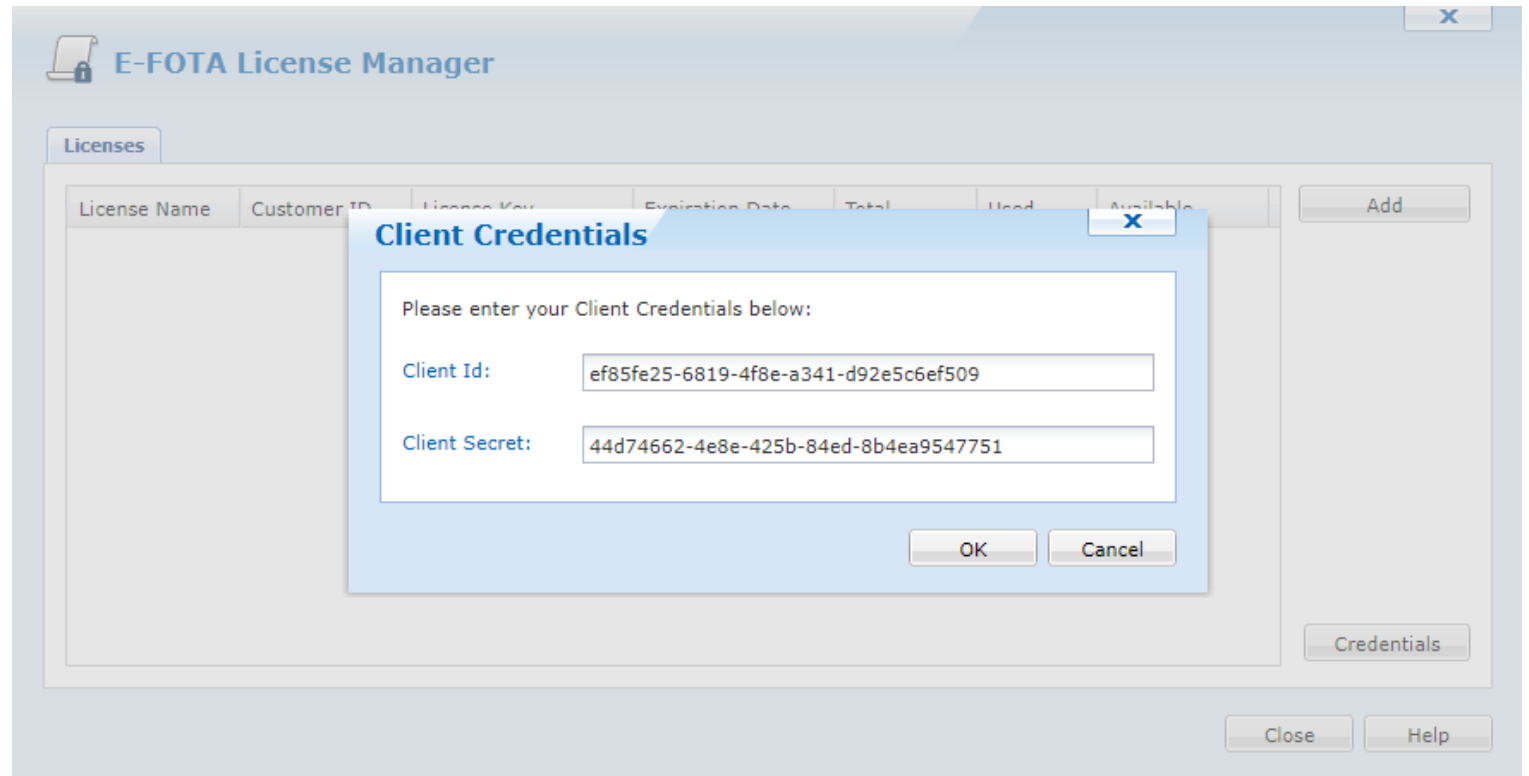Add valid E-FOTA license.

- License Name
- Customer ID
- License Key
- Expiration Date
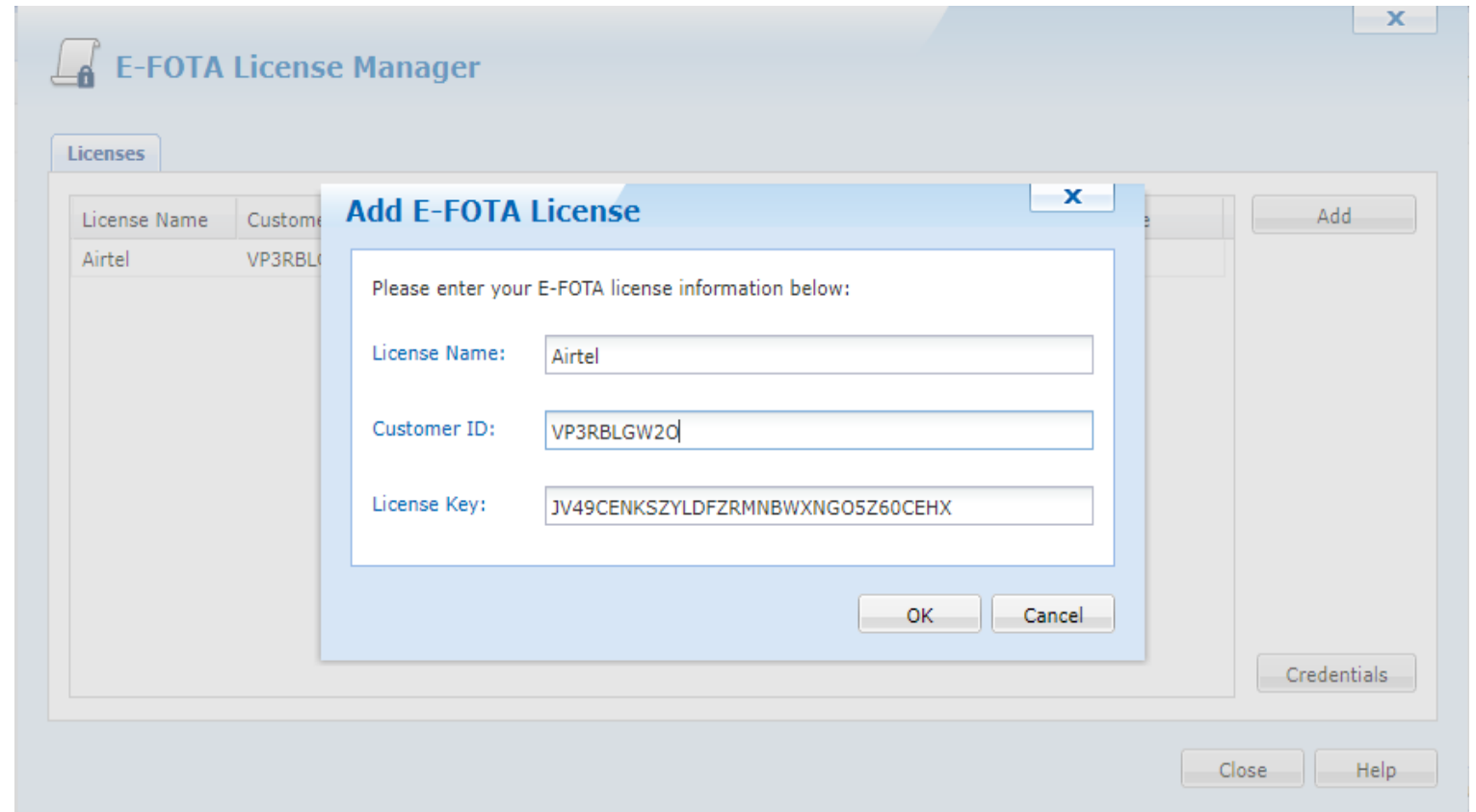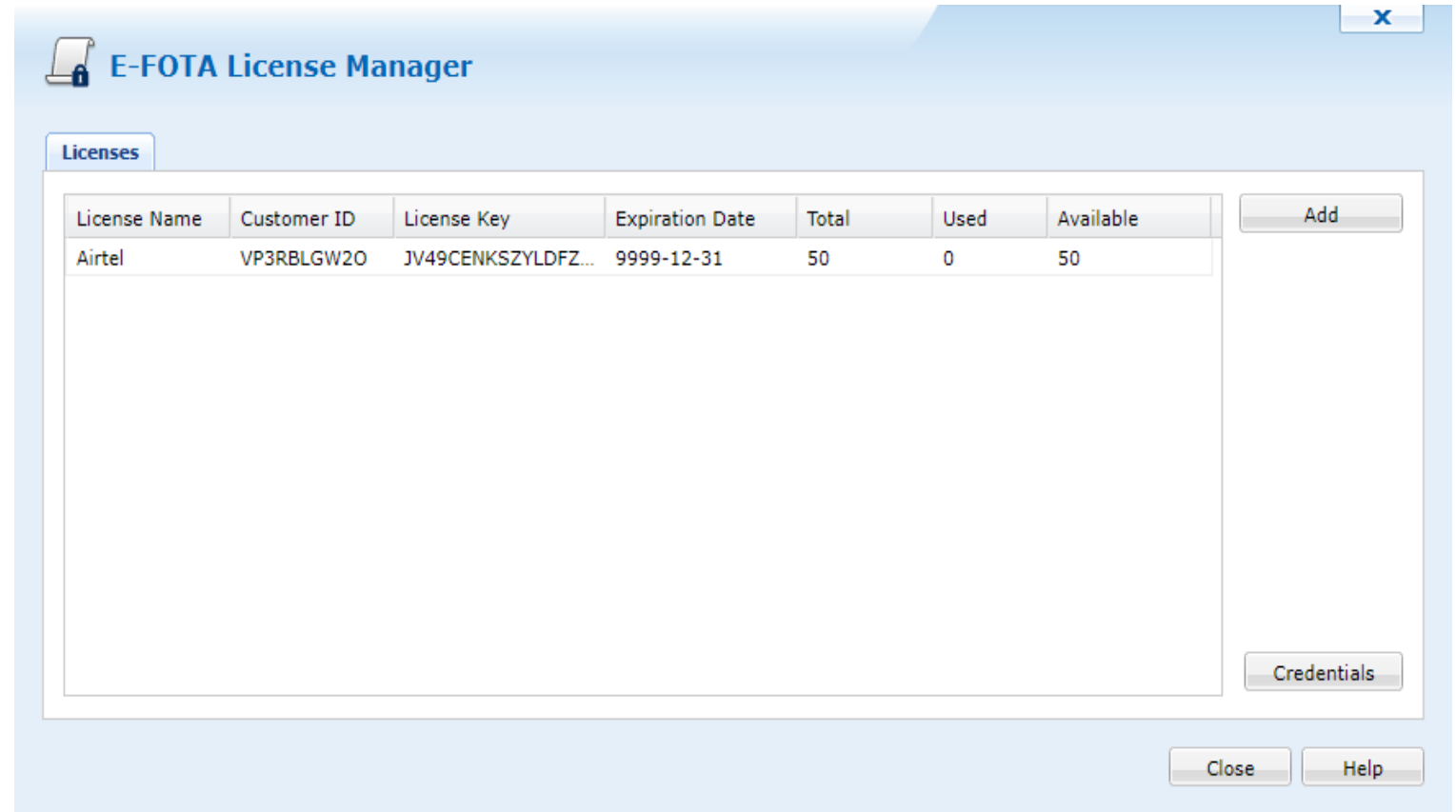- Total count
- Used count
- Available count

⊘	Online Help
🔄	Reset User Settings
📊	Log Levels
📄	View MS Log
📄	View DS Log
📄	View DSE Log
📄	Generate Diagnostic Report
🇺🇸	Language ▶
🔖	License Information
🔒	KNOX License Manager
🔒	E-FOTA License Manager
🌐	About MobiControl
🔚	Log Out

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E-FOTA License Manager

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Validate
Client ID and
Retrieve
Oauth token

E-FOTA License Manager

Licenses

License Name	Customer ID	License Key	Expiration Date	Total	Used	Available

Add

Client Credentials

Please enter your Client Credentials below:

Client Id: ef85fe25-6819-4f8e-a341-d92e5c6ef509

Client Secret: 44d74662-4e8e-425b-84ed-8b4ea9547751

OK   Cancel

Credentials

Close   Help

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E-FOTA License Manager

Add E-FOTA License

E-FOTA License Manager

List of E-FOTA Licenses

E-FOTA Enrolment

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STEPS:

1. Select a single device or multiple devices

2. Select Enroll in E-FOTA action

3. Choose the E-FOTA License to which you want to enroll the device(s)

4. Select "ENROLL IN E-FOTA" action

NOTE:

- Select a single device or multiple devices

1. If you select a Non-Samsung device, "ENROLL IN E-FOTA" action will not be displayed

2. If you select a Samsung device that has a version lower than 7.0, "ENROLL IN E-FOTA" action will be displayed but this action will be disabled.

3. If you select multiple devices, some are Non-Samsung devices + some Samsung devices with version lower than 7.0 + some Samsung devices with version 7.0 or greater, "ENROLL IN E-FOTA" action will be visible and enabled both.

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E-FOTA & MobiControl

SOLUTION:

- Samsung created E-FOTA to fully manage mobile OS & firmware upgrades.

- MobiControl will offers the greatest E-FOTA solution experience (Samsung's feedback)

- MobiControl enhances the E-FOTA solution as follow:

FEATURES	BENEFITS	ATRIBUTES
Forced Upgrades	Secure Upgrades	No downgrade Available*
Schedule Upgrades	User &/OR Group Upgrades	Requires License
Selective Upgrades	No user interaction	Regular & Kiosk Mode
Latest Upgrades	Elastic Search / Virtual Group	Automatic Enroll

E-FOTA Enrolment

Devices must be enrolled as B2B device to use E-FOTA Service
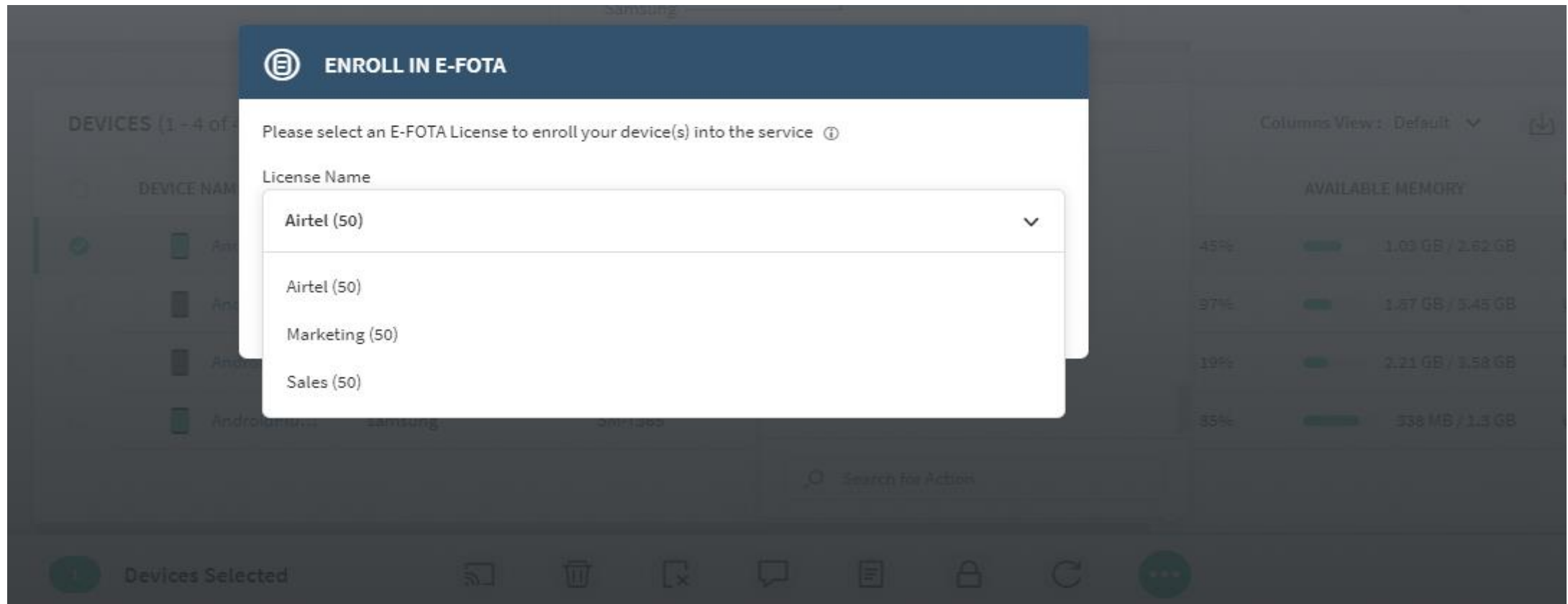
E-FOTA Enrolment

Validate parameters before enrolling to E-FOTA in case of multiple device selection.
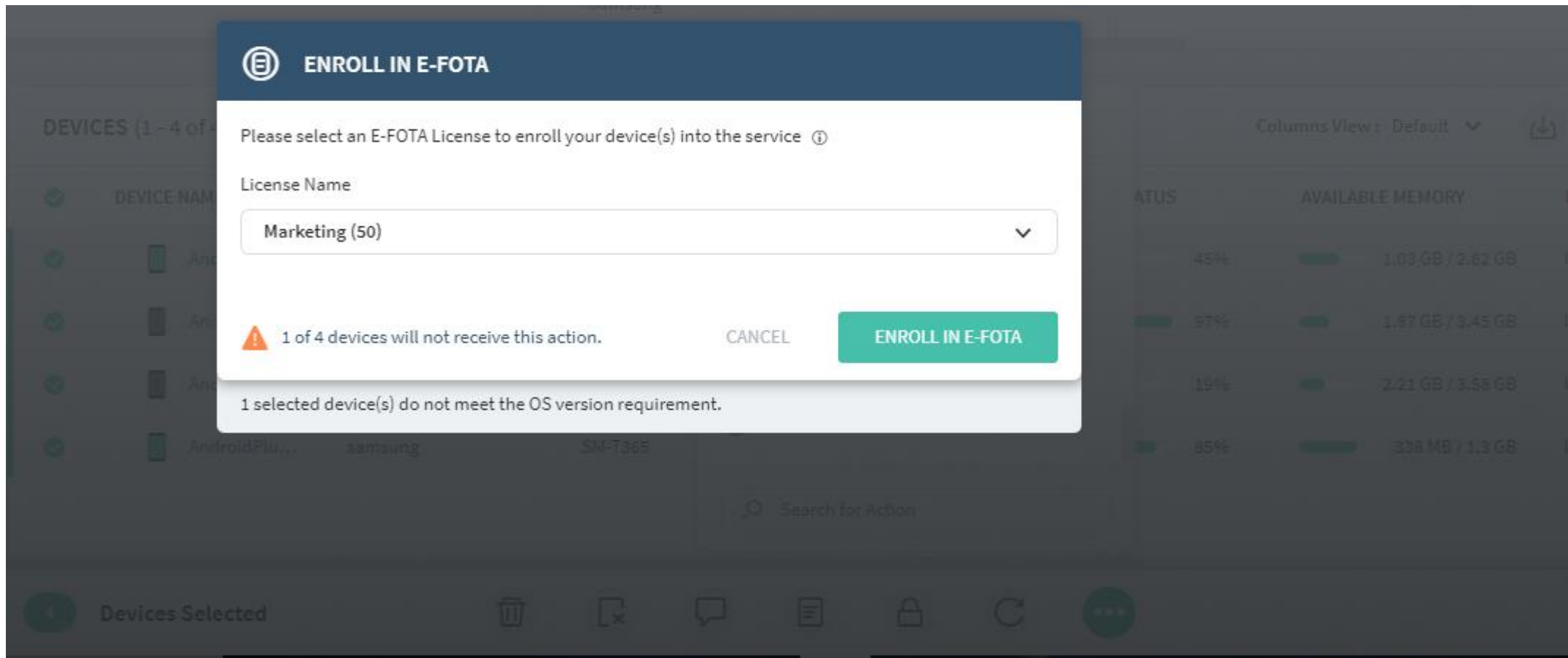
E-FOTA Upgrade Features

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Latest Upgrade

Selective Upgrade

Forced Upgrade

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E-FOTA Latest Upgrade

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MDM Admin selects a "Keep Firmware Updated" version and deploys the MDM policy to devices.

This type of upgrade requires end-user interaction on the device.

Latest Upgrade

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E-FOTA Selective Upgrade

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MDM Admin selects a "Specific Target Version" version and deploys the MDM policy to devices.

This type of upgrade requires end-user interaction on the device.

Selective Upgrade

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E-FOTA Force & Force Schedule Upgrade

MDM Admin selects "Force Upgrade" with specific "Target Version" & specified "Schedule".

This type of upgrade does NOT requires end-user interaction.

Forced Upgrade

E-FOTA Fundamentals

Samsung:

- E-FOTA will require a license

- Devices must run at least Android OS 5.0 (Lollipop) to apply for Samsung *E-FOTA Advanced*, but OS 7.0 (Nougat) or later for Samsung E-FOTA on EMM.

- All carrier devices that use Samsung FOTA can also use E-FOTA. Currently, **ONLY** AT&T and Verizon do not use Samsung FOTA.

SOTI & MobiControl:

- SOTI is not re-selling the E-FOTA licenses

- Must have MobiControl 14.1.1 (to test BETA solution)

- Cloud instance can be provided for Beta
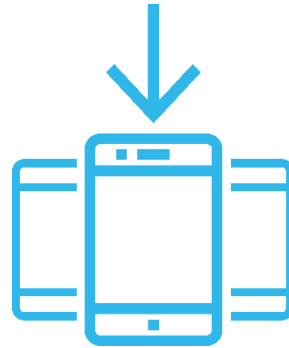
- Full Launch on MobiControl 14.2

SOTI + Samsung

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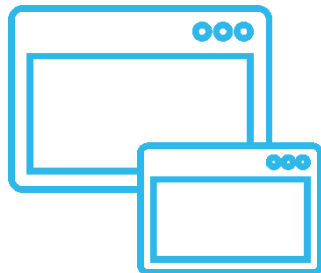Samsung technology supported and enhanced by SOTI MobiControl
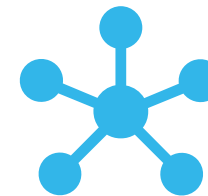
Samsung KNOX Protection

Knox Mobile Enrollment

E-FOTA

Remote Control

Kiosk Mode

Samsung API & SDK (Tizen)

SOTI.

Thank you

Ricky Garcia

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