SAMSUNG



# Samsung Knox

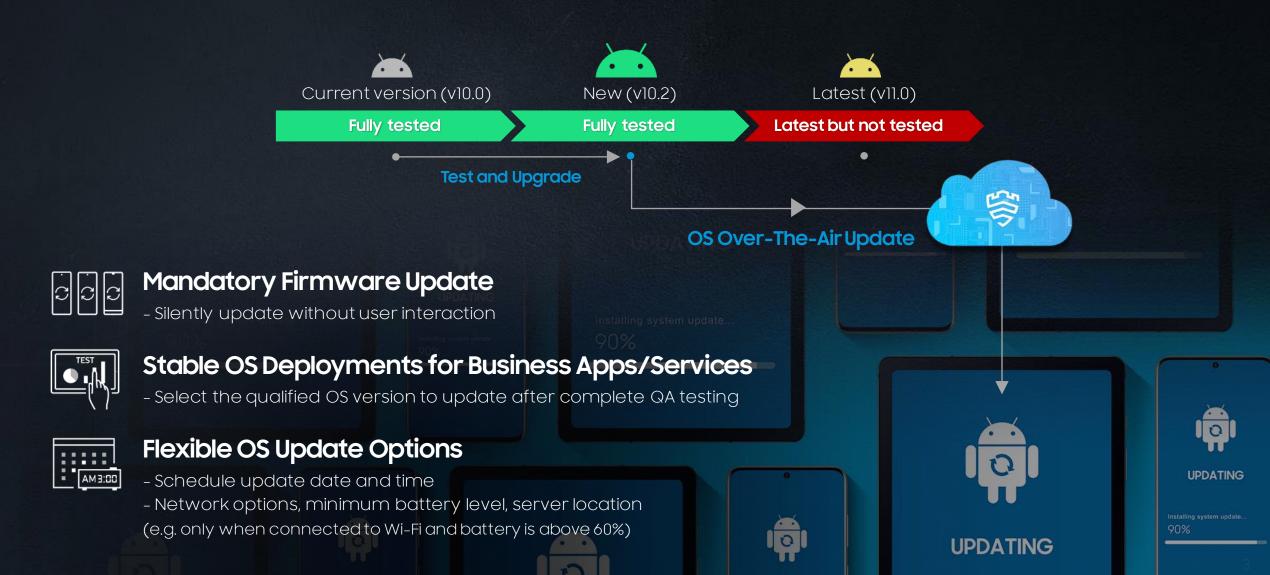
Product Introductions

June 2021 Samsung Electronics



## Advanced Software Update Management

Remotely control or enforce which OS version is present on corporate-owned devices



## Why Knox E-FOTA

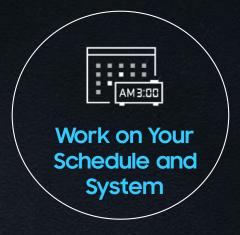
Remotely control the OS version on devices without end user interaction, enabling seamless updates to the fully tested version on time



Ensure every device operates on the OS version best suited to your business



Trigger mandatory firmware updates for every device, no matter what state they are in



Schedule device updates at the times that work best for your workforce

#### **Key Benefits**

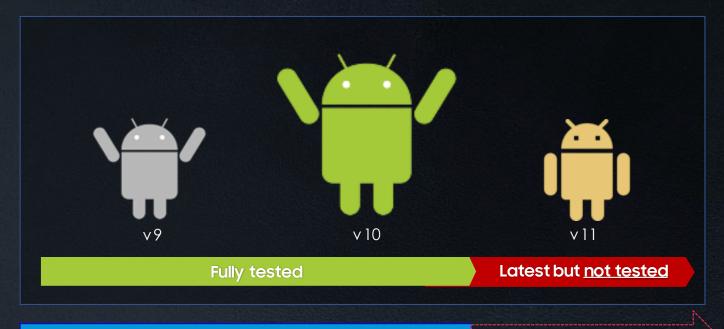
1. OS Version Fully Under Control

2. Ensure Total Compliance

3. Work on Your Schedule and System

## "New" Doesn't Always Mean "Better"

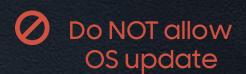
Prevent devices doing unwanted, automatic OS version updates for any amount of time



Maintain tested OS versions

#### Stable mobile platform

Devices run the fully tested and qualified OS version while QA tests of the latest version are still on-going



### Choose the OS Version You Trust

Ensure compatibility with your business apps and device models by opting for the non-latest versions



## Test Before Deployment

Employ beta-testing on sample devices first then deploy the fully qualified OS version to your fleet with no unwanted surprises



Create a test campaign and apply it to sample devices before deployment

#### **Key Benefits**

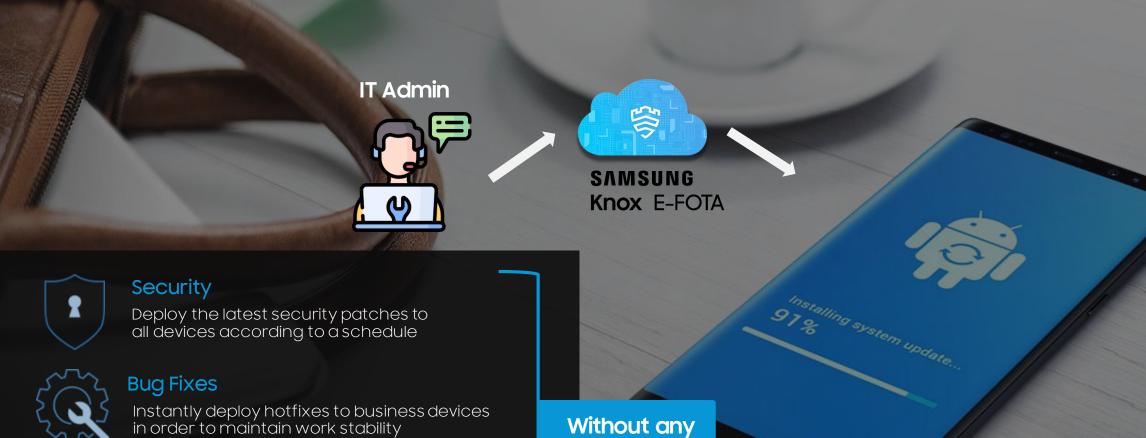
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## Update Without User Interaction

Enforce system software updates without end user interaction for seamless control of device update schedules.





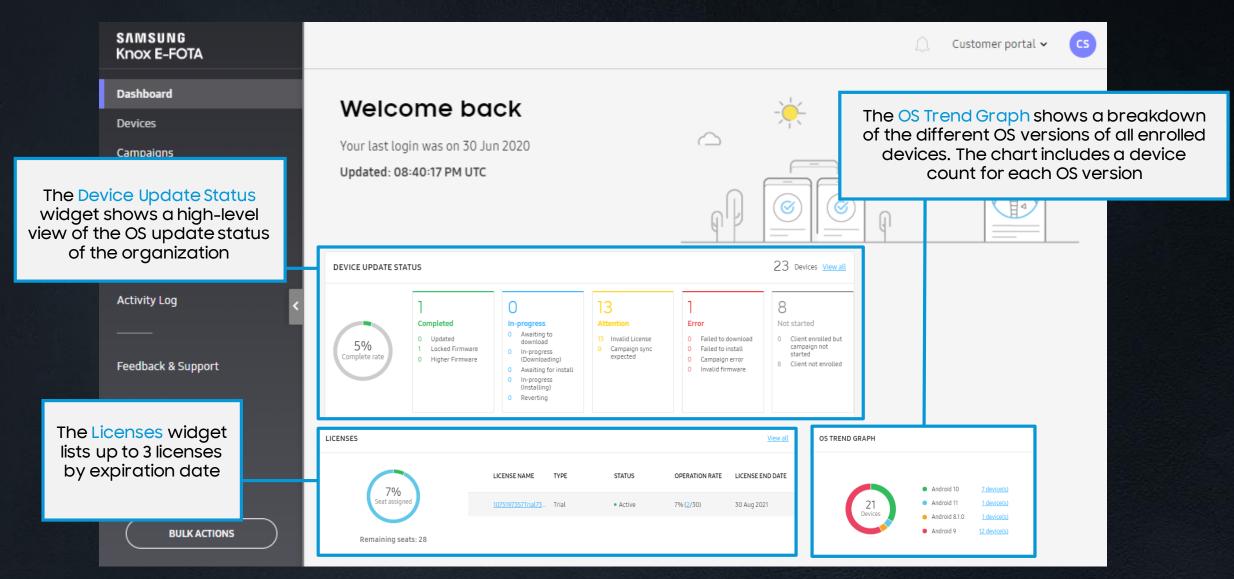
#### OS Updates

Enforce OS updates to ensure all business devices consistently run the same OS version

Without any end user interaction

### The OS Version of Your Device Fleet at a Glance

Ensure total oversight by monitoring a cloud-based dashboard concerning your update status



\*Screenimagesimulated

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#### **Key Benefits**

- 1. OS Version Fully Under Control
- 2. Ensure Total Compliance
- 3. Work on Your Schedule and System

## Run Updates in the Most Optimal Environments

Maximize business continuity and flexibility with a wide range of update options

Allow firmware downloads and installations with various options



#### Schedule

- Set download and installation date and time

e.g. Firmware will be installed between 2 a.m. and 6 a.m. only



#### Network

- Wi-Fi only or 3G/4G/5G
  - Download speed limitation

e.g. Download firmware up to 100 MB in 10 min



#### **Power Condition**

- Only when connected to a charging dock
- Battery level check

e.g. Only when battery level is above 20%

Cloud-Based or On-Premises



#### Cloud

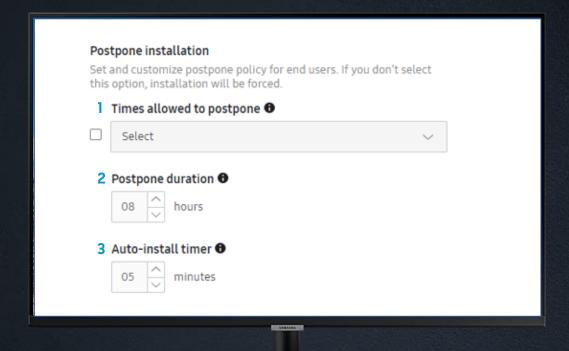
Samsung FOTA server & Knox E-FOTA server are on the cloud



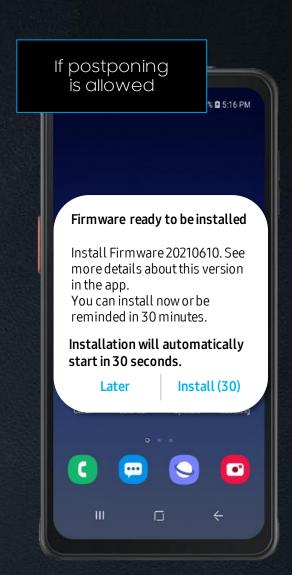
Firmware and Knox E-FOTA software are on your local network

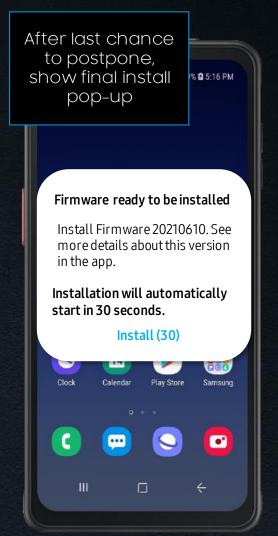
## Why Not Opt to Postpone Updates a Couple of Times

Allow optional postponing for end users if your workers are in the midst of important tasks



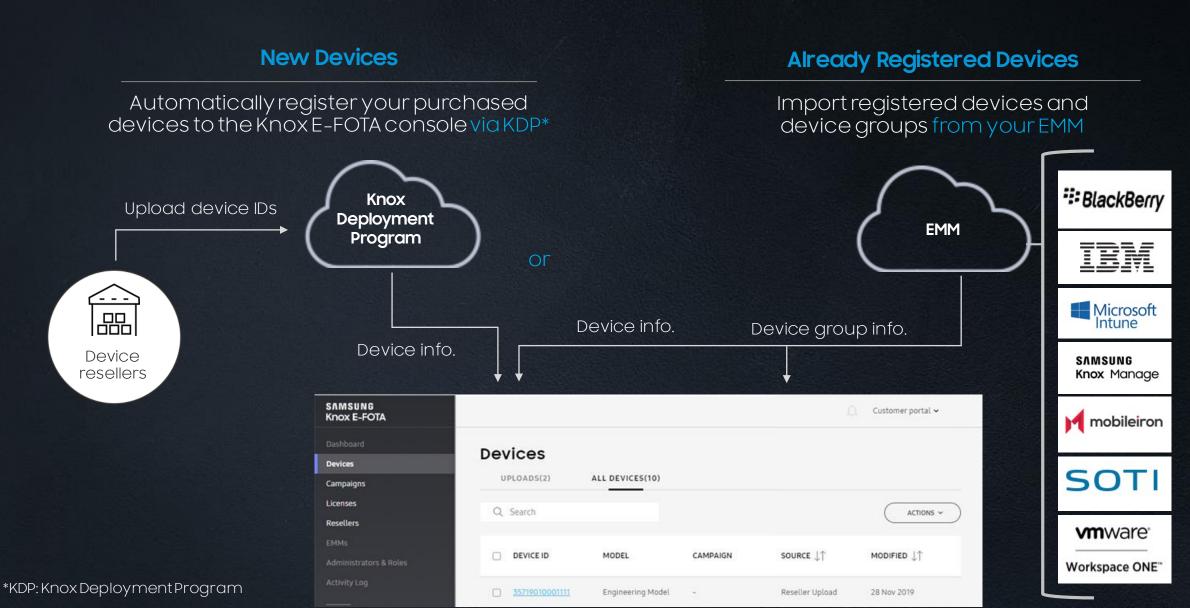
- 1. End users can postpone updates up to 3 times
- 2. Postponing duration can be set at 1 hour to up to 24 hours
- 3. Auto-install timer can be set between 5 and 60 minutes





## Save Time with Streamlined Device Registration

Import and sync device information from your EMM



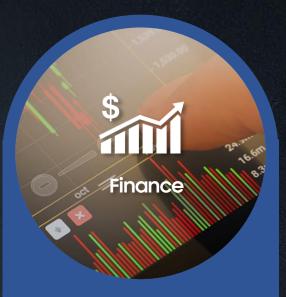
## Appendix

#### **Use Case Scenario**



We are highly sensitive to security.

We want to deal with emergency security issues, including cyberattacks by malware or ransomware, etc., as soon as possible.



We want to prevent any downtime or waste of resources during operating hours.

OS updates are necessary but it might cause incompatibility between the in-house apps and the new OS



Carrying a cluster of unmanned devices usually results in outdated OS unless IT specialists process the updates at each store or location.



Enterprises whose employees are dispatched on-site for housekeeping need the centralized management of certain workforce systems, such as scheduling, booking, recording medication information, etc., as well as customer entertainment.



How to
Solve
the Issue

The latest can be inst every device emergency
Forced Upon

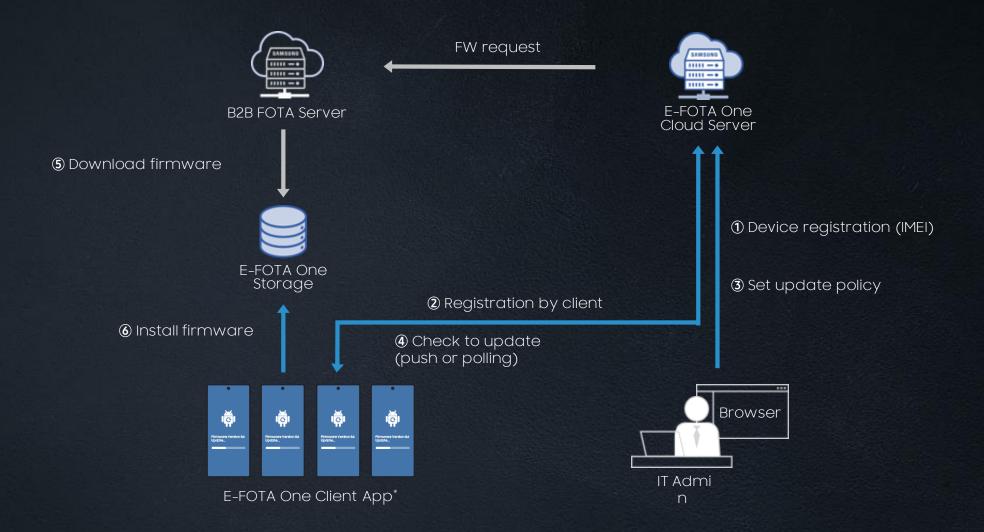
The latest security patches can be instantly deployed to every device in an emergency situation via Forced Update.

IT Admin can update the OS in sequence step-by-step when enough resources are ready per region/organization, to ensure operational continuity and stability.

Ensure compatibility, as well as updating during non-work hours.

IT Admin can remotely install the new OS on all devices in each store and at each location using the silent option, which requires no end user interaction. Samsung Knox E-FOTA enables them to remotely control business devices, both in the field or in-house, to run the qualified OS version without business interruption.

### **Knox E-FOTA - Service Structure**



### **Knox E-FOTA Cloud vs. On-Premises**

: Full support, **Partial**: Partial support, -: No support

Key Features		Knox E-FOTA Cloud	Knox E-FOTA On-Premises
Architecture/Server	Private network		<b>~</b>
	Separate server, HW, SW purchase	Cloud-based, not required	Required
	Local on-site installation service purchase	Cloud-based, not required	Required
Onboarding -	Upload device info from KDP	<b>✓</b>	15 15 15 15 15 15 15 15 15 15 15 15 15 1
	Sync device & org. info from EMM	<b>✓</b>	· ·
Campaign	Automated sequential updates	<b>/</b>	<b>✓</b>
	Multi-model updates per campaign	<b>~</b>	<b>~</b>
	Push & polling	<b>✓</b>	<b>Partial</b> (no push, polling only)
	Additional options: (Scheduled update, Wi-Fi only, battery level)	<b>~</b>	<b>~</b>
Management	Dashboard	<b>~</b>	<b>~</b>
	Multiple licenses	<b>✓</b>	
	Firmware & license staging/upload	Automatic	Manual