Great Kit for your great business,

Emkit

Throughout the enterprise device's lifecycle,
EmKit will be with you to increase your business outcome
and improve productivity.

You can meet easy development, simplified management,
efficient work routine with EmKit.

POINT Mobile

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- Prevent Distractions, Kiosk Mode
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- Monitor the Device Health
- Customize device to suit your work
- Take Full Advantage of Data Scanning
- Multiple Wedge Profiles, Multiple Apps

Development

Develop faster and less costly with SDK and development kit.

POINT mobile
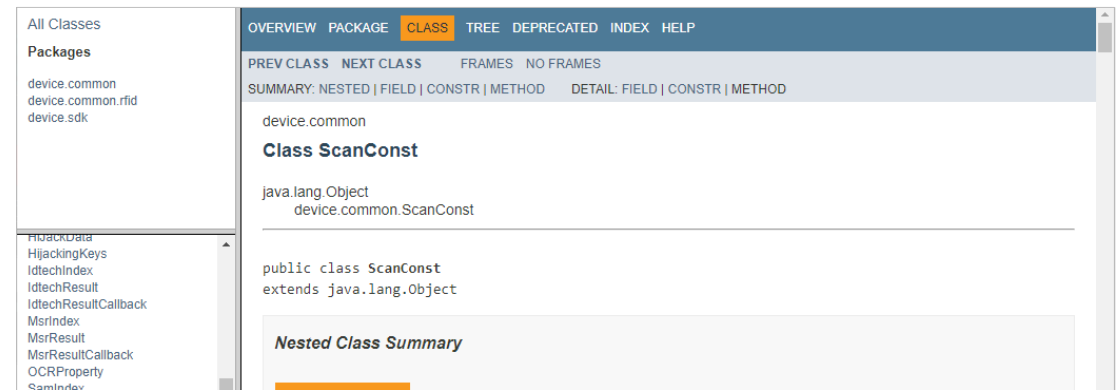
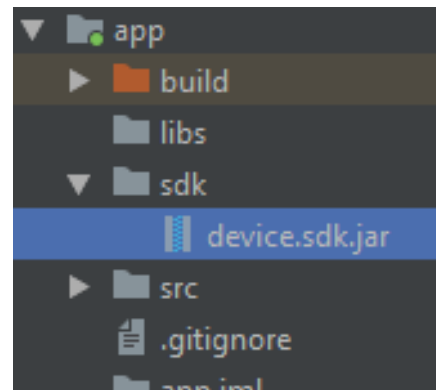# Optimized Software Development

Develop-ment

Unified SDK for Android

RFID Development Kit

Unified SDK for Android & RFID Development Kit

Unified SDK includes:

- APIs that control the scanner, SAM, MSR modules, etc.
- Google Generic SDK
- API documentation

Develop the enterprise functions faster and less costly with Development tools provided by **EmKit**.

4

Management

Provision and manage devices efficiently.
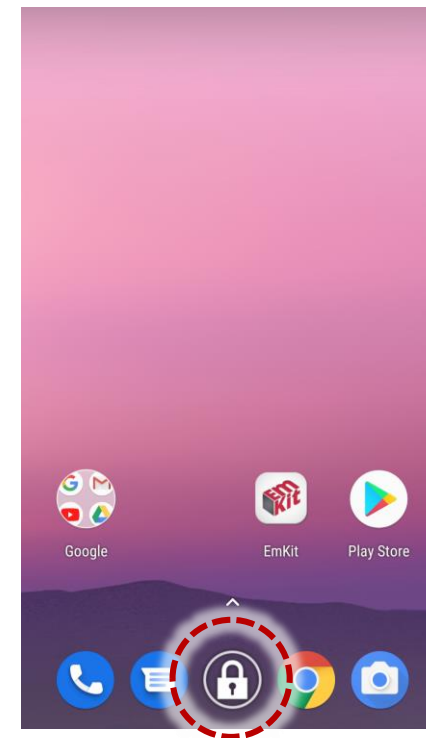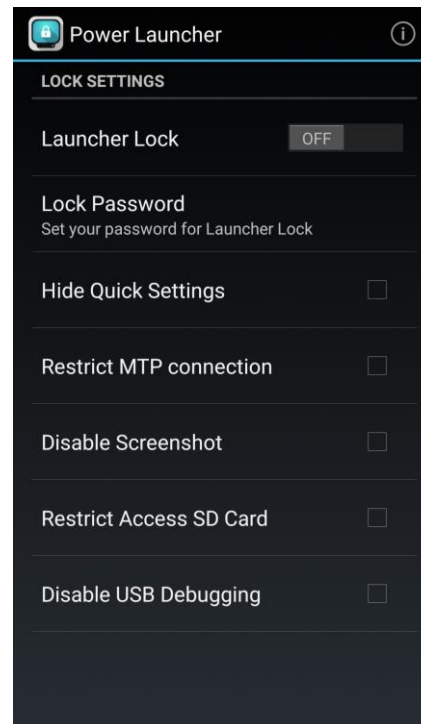
Prevent Distractions: Kiosk Mode

Power Launcher

Implement basic kiosk mode with **Power Launcher** (Android 8 and below only).

- Restricts some system features
- Locks the users into the home screen the accessible apps are placed

Power Launcher

Manage-ment

Prevent Distractions: Kiosk Mode

Manage-ment

EmKiosk & EmKioskConfig

More expanded and flexible kiosk mode. In addition to the Power Launcher's features, EmKiosk can

- Selects accessible apps
- Allows or blocks system settings & features (screenshot, MTP connection, etc.)
- Screen lock

EmKiosk

EmKioskConfig

EmKiosk can be configured by **PMDM/Scan2Stage** (PC Tool) or **EmKioskConfig** (Android app).

EmKioskConfig provides intuitive UI and it helps you make all **EmKiosk** configurations easily using a single device. And the configuration can be deployed to nearby devices fast using **Direct Clone**.
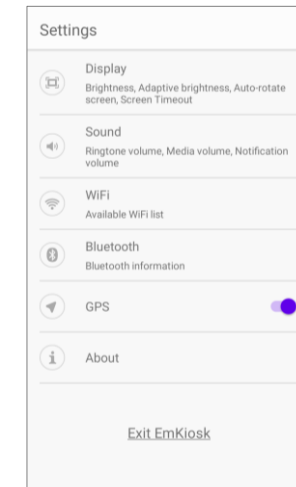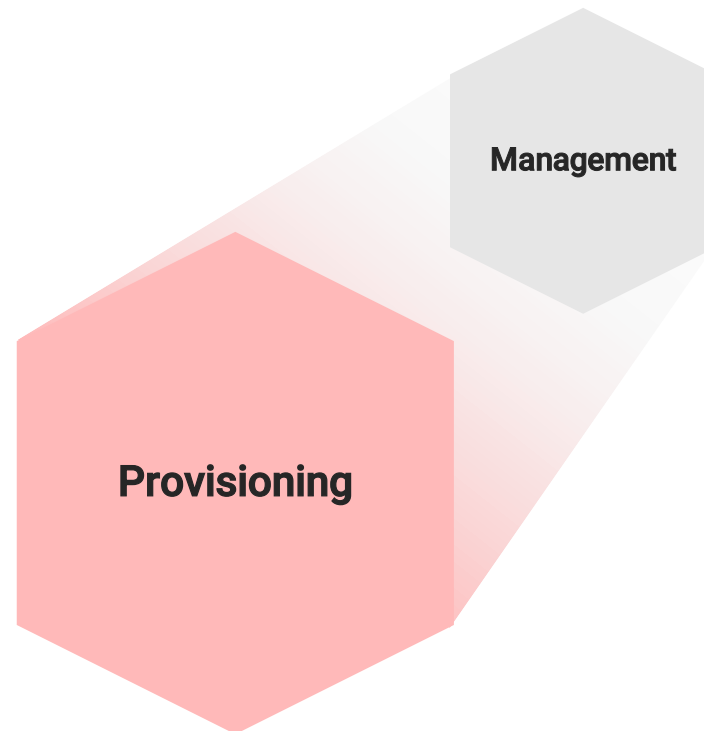
EmKioskConfig

EmKiosk

❖ **EmKiosk** is available on PM500, and the devices with Android 8.1.0 and above.
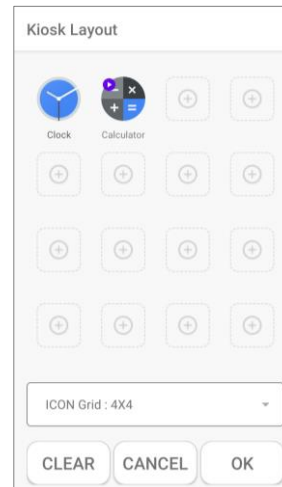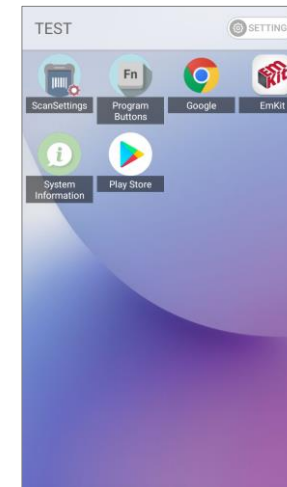
Handy Provisioning for Fast Deployment

Develop **Provisioning Solutions**

for **Customer Satisfaction**

Manage-ment

Management

Provisioning

Provisioning is an essential step for enterprise devices.

Point Mobile has developed provisioning solutions for easier & faster process.

During this development, we always listen to VoC (Voice of Customer).
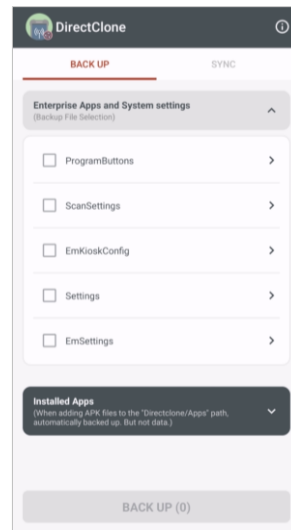
Handy Provisioning for Fast Deployment

Direct Clone

Direct Clone

Direct Clone is a powerful way to provision devices in close range **without an internet connection**.

1. Configure the desired settings on a master device.

2. Make a backup file.

3. Run **Direct Clone hotspot** to make the device act as a local server.
   The server transfers the backup file to nearby client devices and they restore automatically.

Manage-ment

Master Device
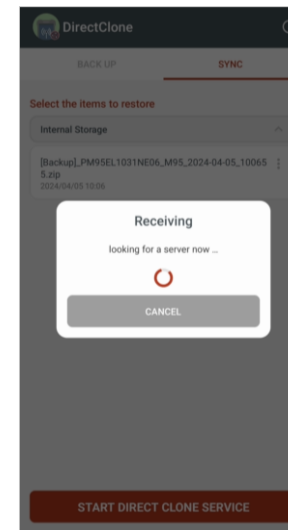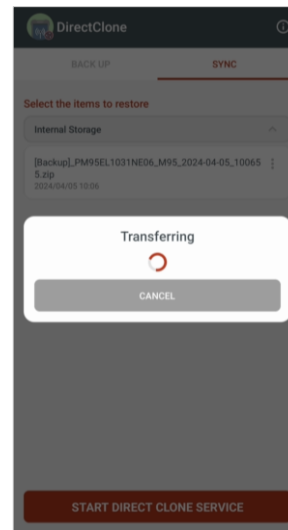
Client Devices

Restriction of **Direct Clone**

- Same Place
- Same OS & Same PN

Handy Provisioning for Fast Deployment

Scan2Stage & Scan2Set

Scan2Stage

Removed Direct Clone restrictions and expanded the configuration coverage.

Using **Scan2Stage**, you can easily configure the device settings and generate secured QR code with no programming knowledge.

Your devices will complete the provisioning process automatically by simply scanning the QR code with **Scan2Set**.

Scan2Set

Manage-ment
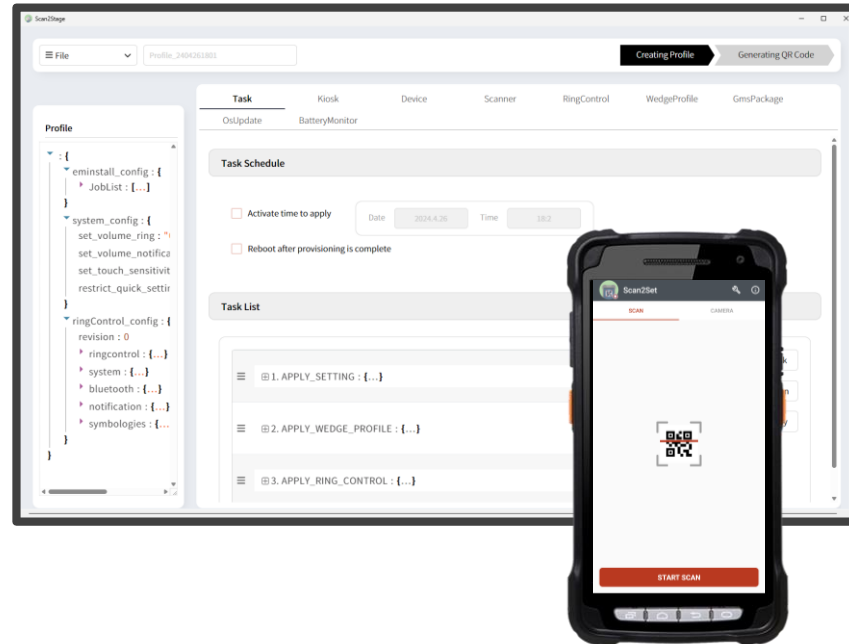
Profile Configurations

- Device and scanner settings
- Enable or disable GMS packages
- Perform OS update
- Install & launch applications
- Restrict system features
- Define keypress behavior
- Configure EmSolutions (EmKiosk, WedgeProfiler, etc.)

Management after Deployment

Manage-ment

PMDM

PMDM

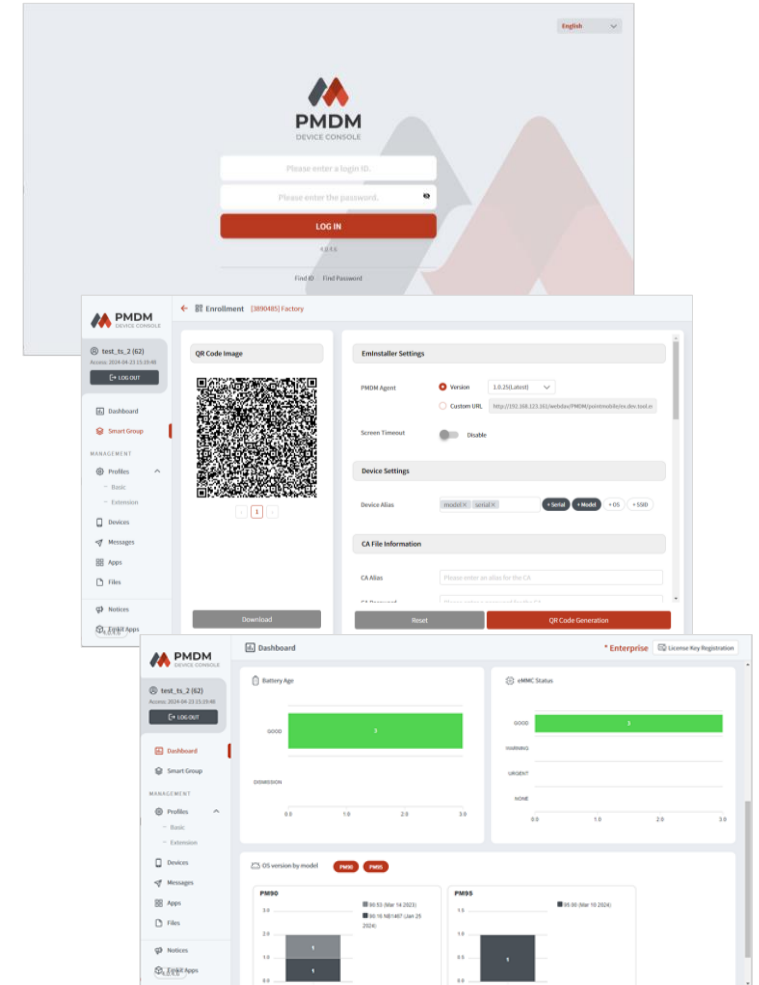Experience efficient management of the deployed devices.

The enrolled devices are synced through **PMDM** server and ready to receive a message from the administrator.

PMDM provides visibility of the device health so that you can foresight the replace time and prevent interruption.

Major Features of PMDM

- **Easy Enrollment**   – Enroll devices easily using a QR code

- **Monitoring the devices**   – Provides visibility of the device statistics

- **Smart Group**   – Connects assets (devices, profiles, files) by working area or type, etc.

- **Sending and Applying profile** – Provides full management features (implement configuration, OS update, etc.)

- **Remote Control**   – Controls the device remotely

Provisioning Solutions

Manage-ment

PMDM

Profile Management	Device Management	Asset Management

+ Managing profiles in Cloud   + Managing devices by Smart Group   + Monitoring & Management of assets

Scan2Stage

+ Expanded supporting device confiugrations

+ Provisioning without time & space constraints

Direct Clone

POINT Mobile
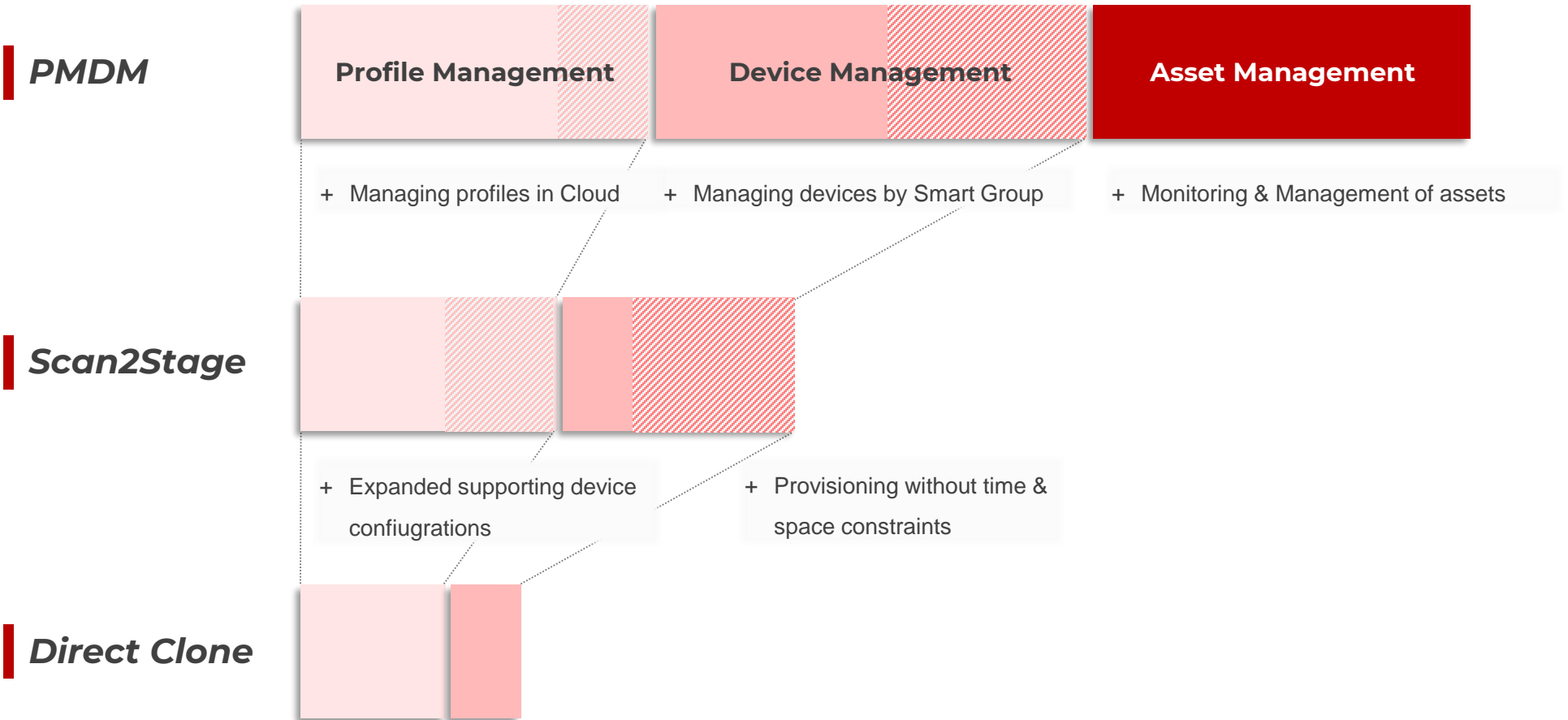
Management after Deployment

Manage-ment

PULS

Manage Device Lifetime: PULS

Keep the devices up-to-date and secured for 7 years after product launching.

PULS provides new OS and security patches through FOTA (Firmware Over The Air).

So you can download from anywhere if you can connect to the network.
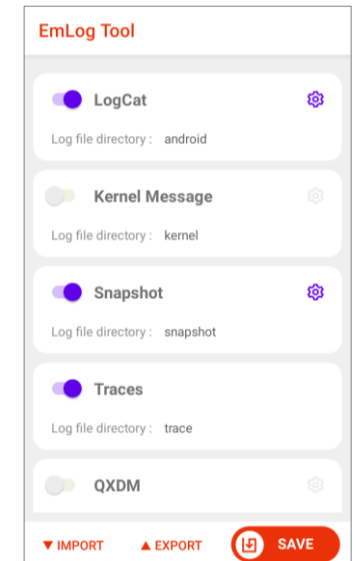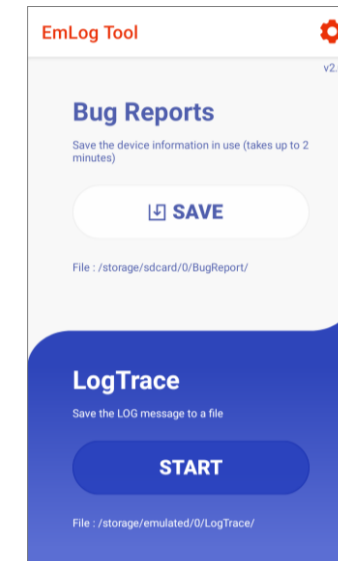
Services

1. Security Patches
2. System Update and Upgrade

EmLogTool /LogTrace

Integrated Logging Solution: EmLogTool, LogTrace

Take the log to analyze the issue you have.

EmLogTool/LogTrace provides centralized control of taking various types of log.

EmLog Tool

Bug Reports

Save the device information in use (takes up to 2 minutes)

💾 SAVE

File : /storage/sdcard/0/BugReport/

LogTrace

Save the LOG message to a file

START

File : /storage/emulated/0/LogTrace/

EmLog Tool

LogCat
Log file directory :   android

Kernel Message
Log file directory :   kernel

Snapshot
Log file directory :   snapshot

Traces
Log file directory :   trace

QXDM

▼ IMPORT   ▲ EXPORT   💾 SAVE
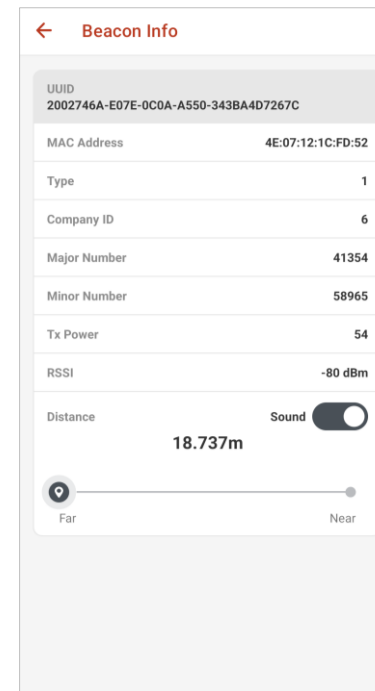
Management after Deployment

Device Tracker

You can find a device lost or not in the proper location.

Device Tracker will list up the beacon signal embedded on the devices.

Select one signal and track the device following a beep sound indicating the distance.

Device Tracker

Manage-ment

❖ Check if your device supports beacon-related features.

Productivity

Recognize Device status and optimize devices for your work to increase productivity.

Monitor the Device Health

Producti-vity

EmHealthReport

EmHealthReport

Keep monitor the device status to predict when the device need to check. Then the device downtime can be minimized.

EmHealthReport provides intuitive information of battery and eMMC to help you easily identify the device health and when they need to be charged or replaced.

Battery Health

Battery Age ✅ Good	Battery Level 51%
Battery First Use Date Optimizing	Battery Voltage 3.796 V
Battery Temperature 28.3 C	System Temperature 26.5 C
Battery Manufacture Date 28th week of 21'	Smart Charging Normal mode

Battery S/N B2105101000U7-2128

eMMC Health

Pre-EOL Information ✅ Normal

Device life time estimation type A
0% - 10% of device life used

Device life time estimation type B
0% - 10% of device life used

Battery Health

- **Battery Age**
- **Battery Level / Voltage**
- **Battery / System Temperature**
- **Battery Manufacture Date**
- **Battery Serial Number**
- **Battery First Use Date**
- **Smart Charging**

eMMC Health

- **Pre-EOL Information**
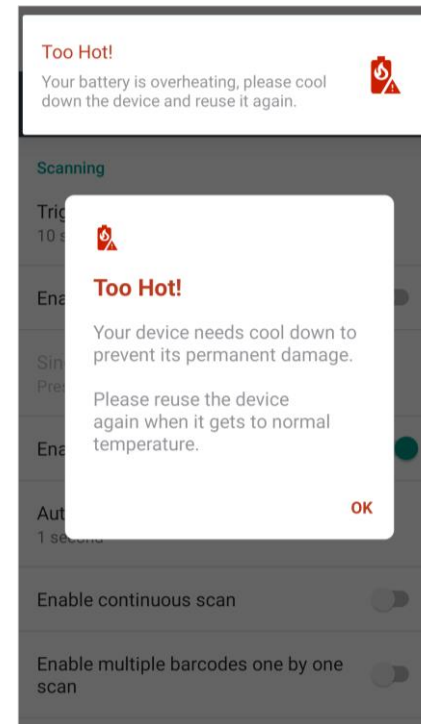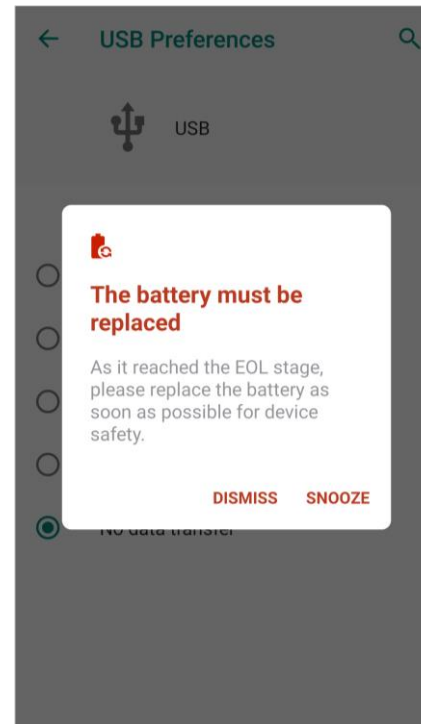- **Device life time estimation type A/B**

Monitor the Device Health

EmBatteryMonitor

EmBatteryMonitor informs the device user that the battery needs actions.

EmBattery Monitor

- Bad battery lifespan
- Battery overheat

The users can take action immediately or report to admin quickly based on the app's notification.

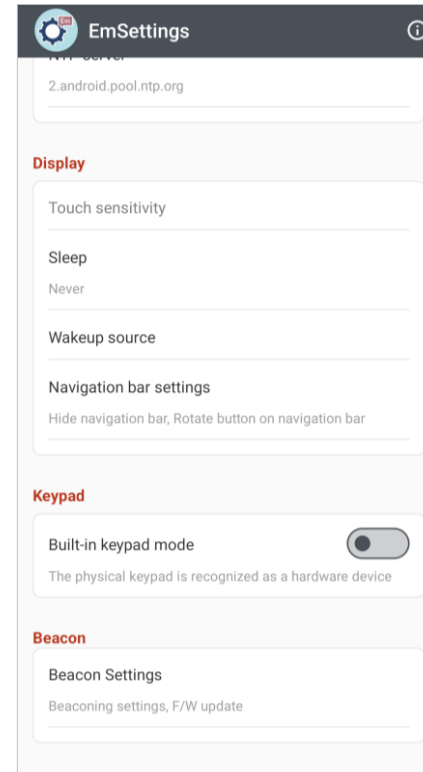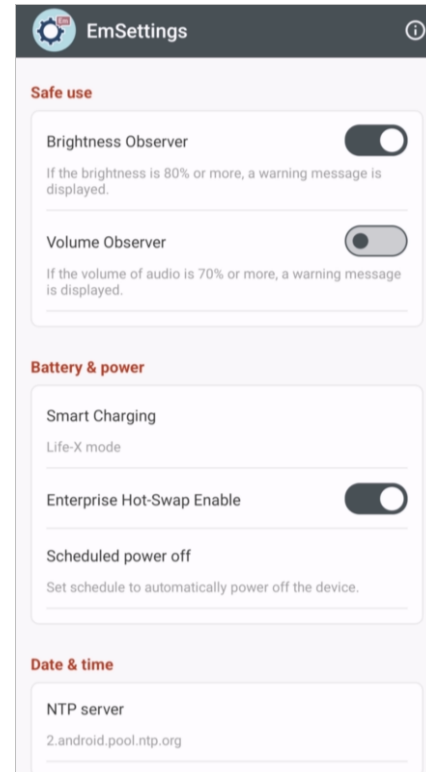# Producti-vity

POINT *Mobile*

Customize Device to suit your Work

EmSettings

EmSettings contains various Point Mobile exclusive settings related to the Battery, Keypad, or Beacon, etc.

Increase your productivity with the enterprise-optimized features.

EmSettings

Producti-vity

Supported Settings

- **Brightness & Volume Observer**
- **Scheduled Power Off**
- **Smart Charging**
- **Navigation bar settings**
- **Keypad settings**
- **Beacon settings**

Customize Device to suit your Work

Producti-vity

Mapping HW Buttons: Program Buttons

Program Buttons provides button-related features such as key mapping with rich pre-assigned functions, preventing mis-pressing the power button, and applying KCM file.

Tip) SMART REMAP feature helps you find the button you want easily just by pressing the button.

On PM351 & PM451, you can also customize the symbol grid of the symbol button.

POINT *Mobile*
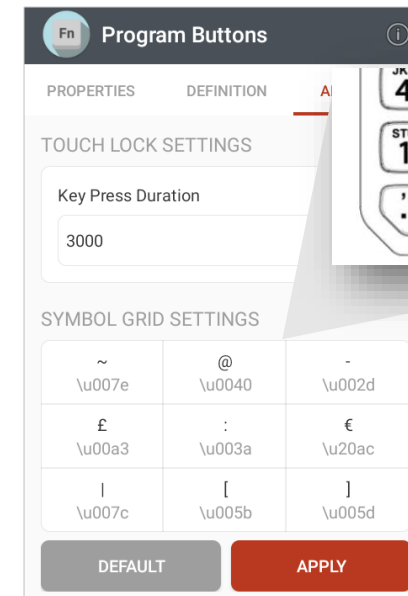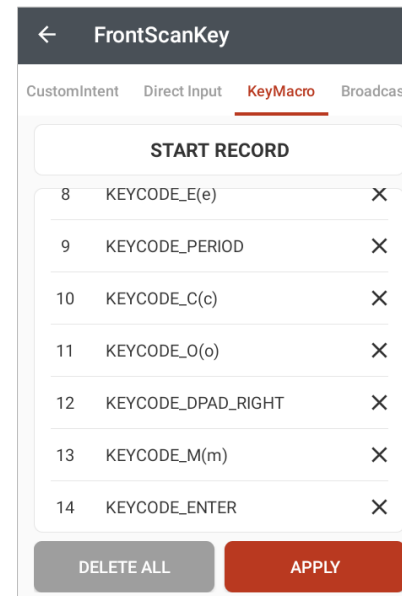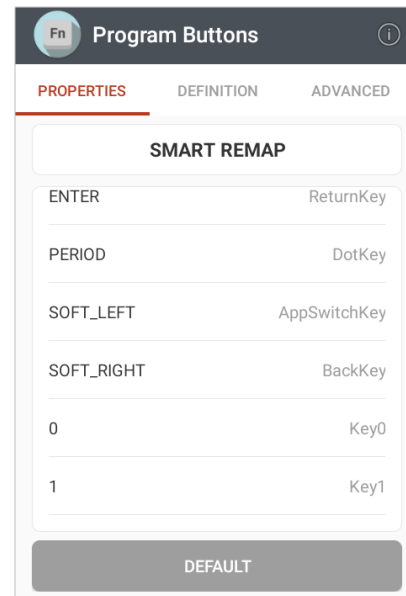
Customize Device to suit your Work
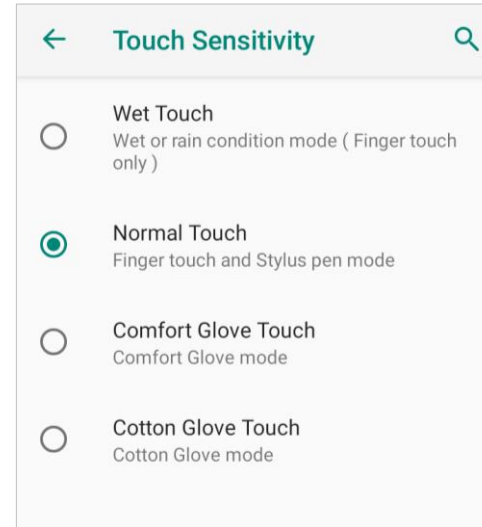
Even in Rain or Wearing Gloves: Touch Sensitivity

Touch Sensitivity

Ability to adjust the touch sensitivity level. Just choose one by your work environment.

• Work with wearing gloves -> Glove touch (Increase sensitivity for smooth touch action)

• Work in high humidity -> Wet touch (Decrease sensitivity for preventing unintended touch)

Producti-vity

❖ The touch sensitivity options depends on the model.

Take Full Advantage of Data Scanning

Producti-vity

ScanSettings

Manage the settings about scanner in **ScanSettings**.

You can enable/disable the features such as illumination, auto scanning, symbologies, etc. and also can set following features.

ScanSettings

TouchScan

Place the virtual scan button on the screen and tap the button to read a barcode instead of the hardware button.

The virtual button provides flexibility of capturing action.

TouchScan

MultiScan

Regardless 1D or 2D, you can scan multiple barcodes with a single triggering.

With **MultiScan**, you can improve efficiency by eliminating time-intensive process of scanning each one individually.

MultiScan

PEW (Powerful Extended Wedge)

Customize the barcode data style to be transmitted.

Meet flexible data requirements such as changing a specific part of data or adding some string.

PEW

Multiple Wedge Profiles, Multiple Apps
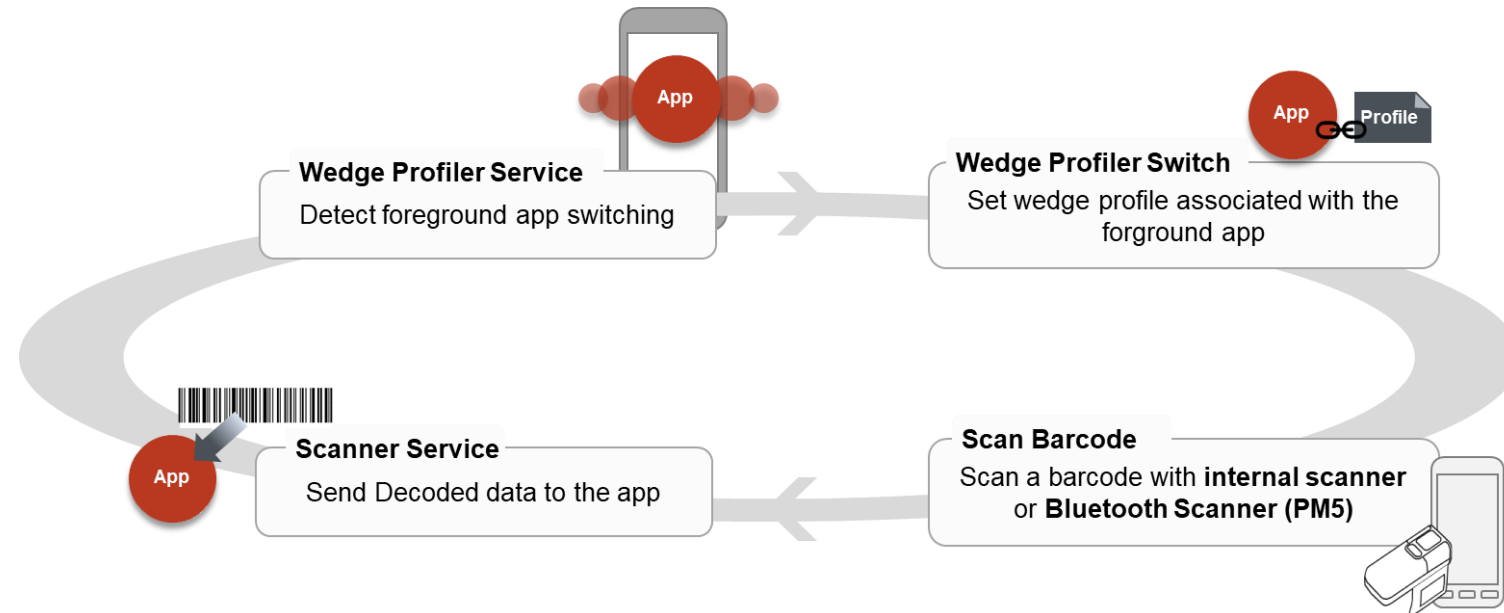
WedgeProfiler

In the use case of using multiple work apps on a single device, each app can take its own data capture rule using **WedgeProfiler**.

While an app is running, the system delivers the scanned data using the wedge profile associated with the app instead of the global settings.

WedgeProfiler
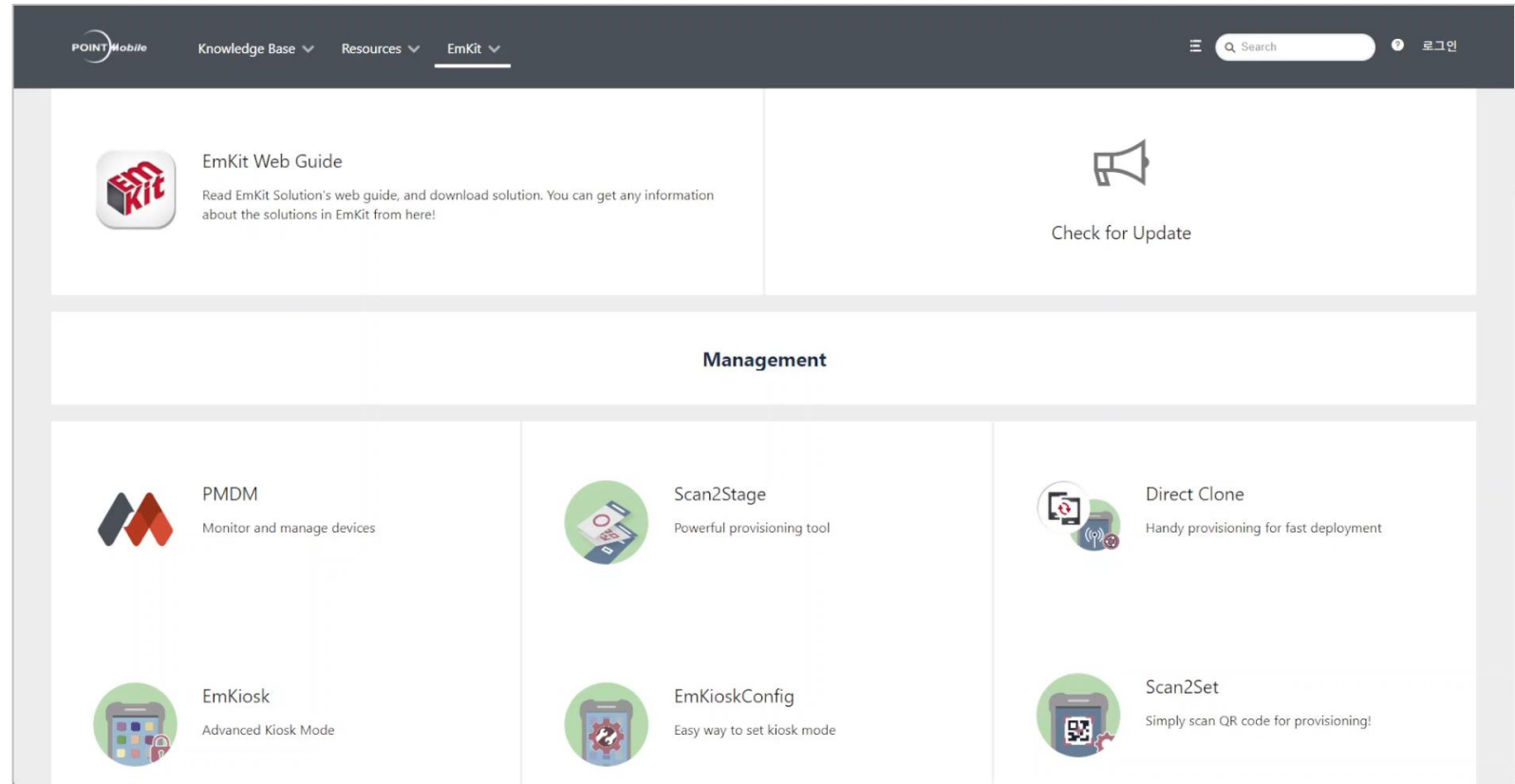
Major Strength of **WedgeProfiler**

- **Easy making the wedge profile and associating apps**
- **Provides seamless profile switching with real-time checking of foreground app**
- **Massive deployment using PMDM or Scan2Stage**

Producti-vity

App

Wedge Profiler Service
Detect foreground app switching

App **Profile**

Wedge Profiler Switch
Set wedge profile associated with the forground app

App

Scanner Service
Send Decoded data to the app

Scan Barcode
Scan a barcode with **internal scanner** or **Bluetooth Scanner (PM5)**

For more detailed guide…

Visit Knowledge Base > EmKit!

Producti-vity

Thank You

Technical Architecture Team

If you have any further questions or looking for FAQ, please visit below link or do contact us.

Knowledge Base Portal

pm_ta@pointmobile.com