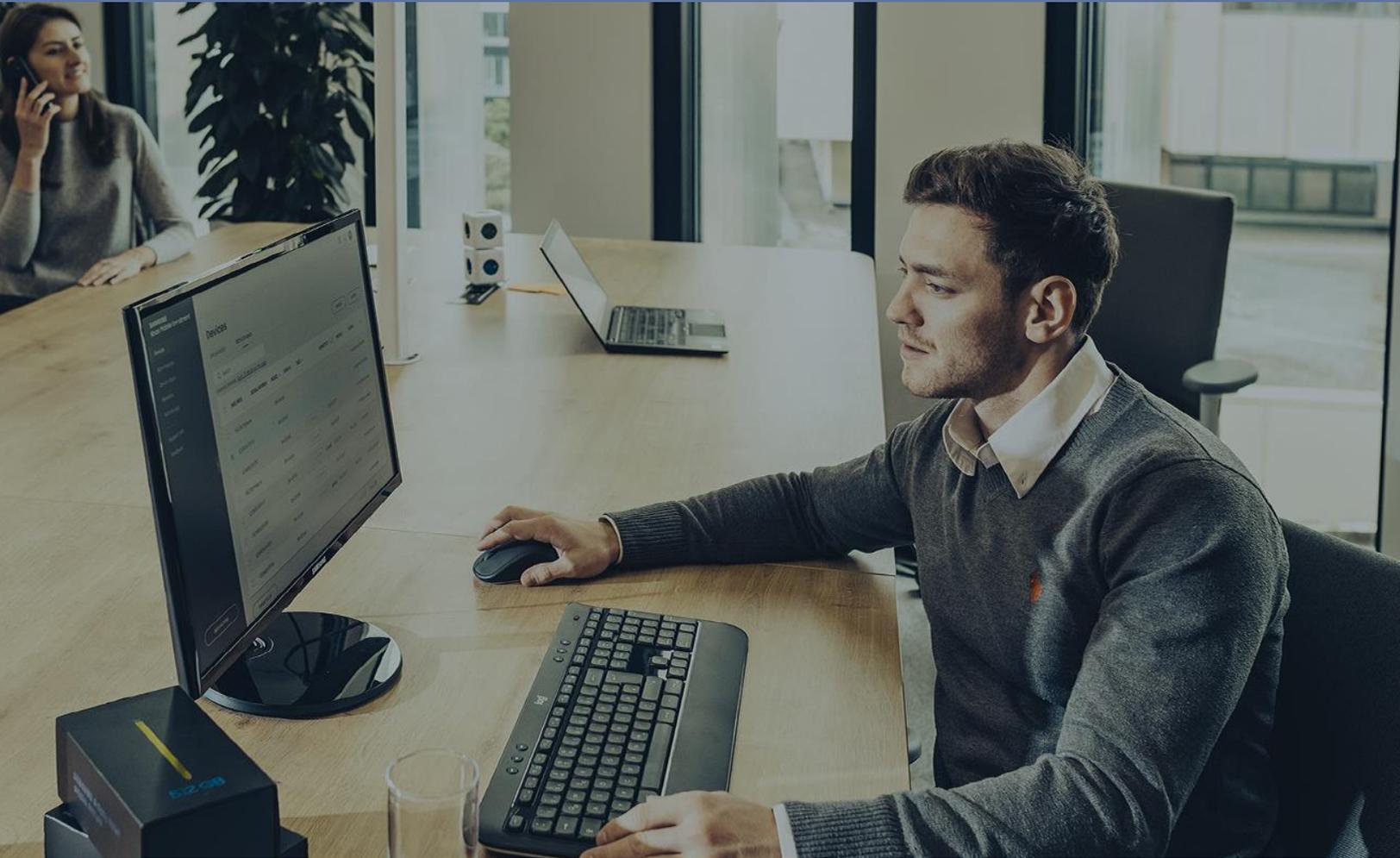


SAMSUNG



How to configure Single App Kiosk in Android Enterprise?

Version 1.0.

January 2020

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About this guide

This guide version 1.0 provides a step-by-step guide to how to create in Knox Manage a single App Kiosk for Android Enterprise.

This document is intended to help Samsung customers understand how the solution can be configured and implemented on devices.

This guide does not provide information on full Knox Manage (KM) configuration. To check other functionalities, please see the [Knox Manage Admin Guide](#).

For additional information about Samsung Solutions, [go to Samsung Knox Product site](#).

Revision history

Version	Knox Manage	Date	Revisions
1,0	19.12	January 08, 2020	First release.

Table of Contents

Copyright	2
About this guide.....	2
Revision history.....	2
Table of Contents.....	3
Working environment.....	4
Kiosk configuration	5
Create organization.....	5
Adding applications to Knox Manage console	8
Create users.....	15
Create group.....	20
Application assignment.....	23
Create SingleApp Kiosk profile.....	26
Assign Profile	33

Working environment

Device

Device: Samsung Galaxy S8

Software version: Android 9.0

Application

Knox Manage agent 19.12 (2.2.6.05)

Samsung Health 6.7.1.003

Console

Knox Manage version: 19.12 (191218)

Server location

Login at Knox Manage Console:

Europe:

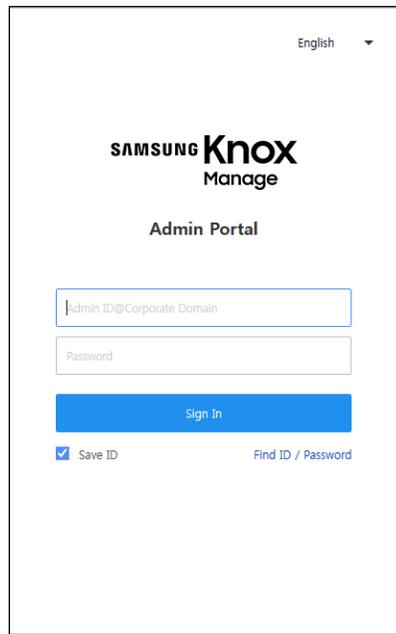
<https://eu01.manage.samsungknox.com/emm/admin/login.do>

America:

<https://us01.manage.samsungknox.com/emm/admin/login.do>

Asia:

<https://ap01.manage.samsungknox.com/emm/admin/login.do>

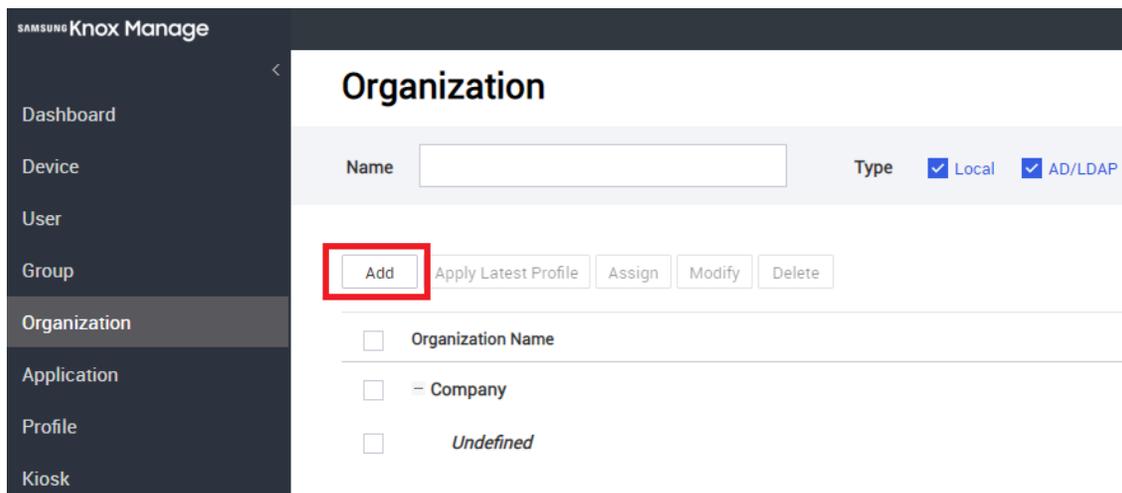
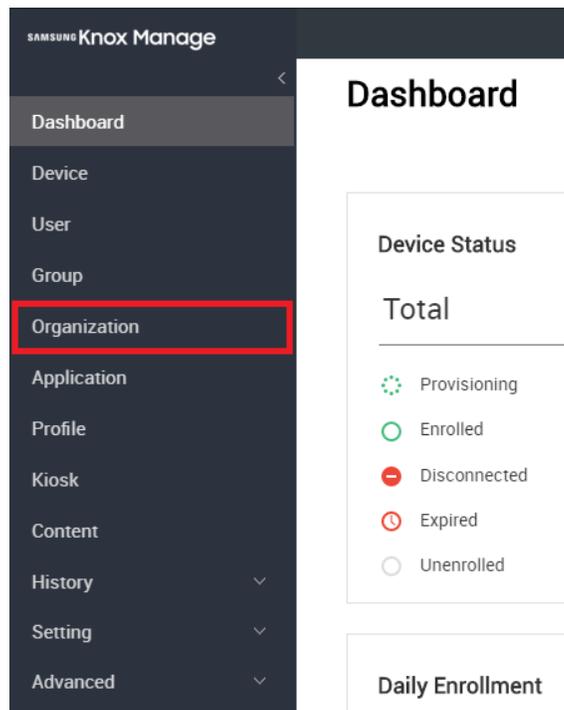


Kiosk configuration

Create organization

Organizations in Knox Manage determine whether the device will be activated in Android Enterprise or Android Legacy mode.

In order to create an organization you should go to Knox Manage menu > [Organization](#) > and click [Add](#) button



In the creation window ([Add Organization](#)) we fill in all required fields. New organization will be assigned to the main organization by default, in our case it is the Company organization. Organization determines the type of activation of devices: [Android Legacy](#) or [Android Enterprise](#). In the Android Manage Type settings, we change Android Legacy to [Android Enterprise](#).

Add Organization

Profiles assigned to a parent organization will be inherited if you save without making a new assignment.

Parent Organization * Company

Inheritable Profile

Code *

Name *

AD/LDAP Sync * Enable Disable

Android Manage Type * Android Legacy Android Enterprise

Add Organization

Profiles assigned to a parent organization will be inherited if you save without making a new assignment.

Parent Organization * Company

Inheritable Profile

Code *

Name *

AD/LDAP Sync * Enable Disable

Android Manage Type * Android Legacy Android Enterprise

After filling in all fields and setting the type of activation, click on the **Save** button.

Add Organization

Profiles assigned to a parent organization will be inherited if you save without making a new assignment.

Parent Organization * Company

Inheritable Profile

Code *

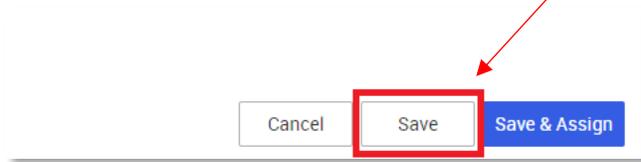
Name *

AD/LDAP Sync * Enable Disable

Android Manage Type * Android Legacy Android Enterprise

Sub-Administrator 0 Selected

Admin ID	Admin Name
There is no data.	



In the new window, click **OK** to confirm.

Add Organization

Profiles assigned to a parent organization will be inherited if you save without making a new assignment.

Parent Organization * Company

Inheritable Profile

Code *

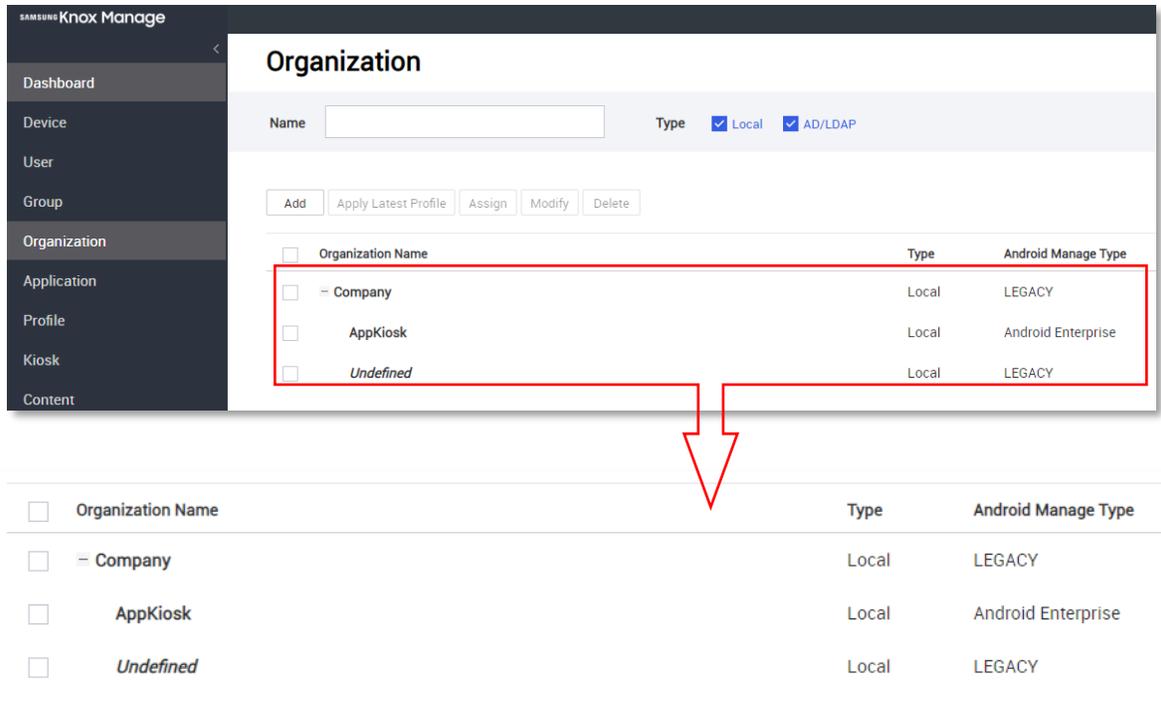
Name *

AD/LDAP Sync * Enable Disable

Android Manage Type * Android Legacy Android Enterprise

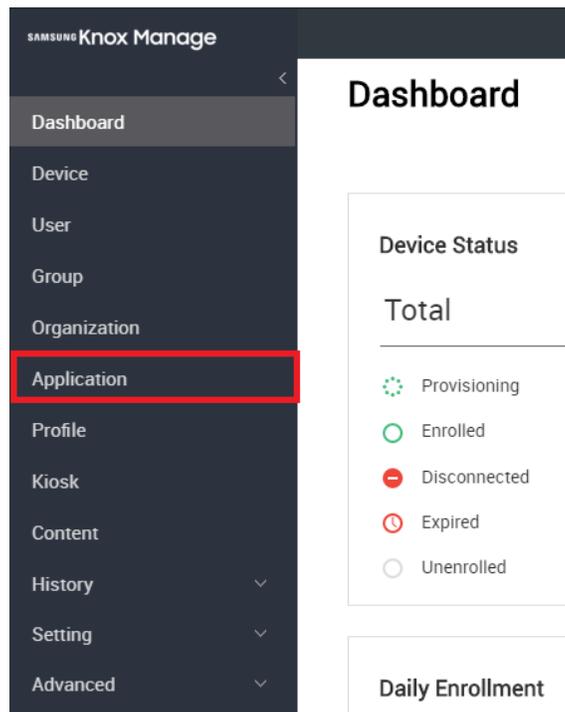
Save Organization

Do you want to save this organization?

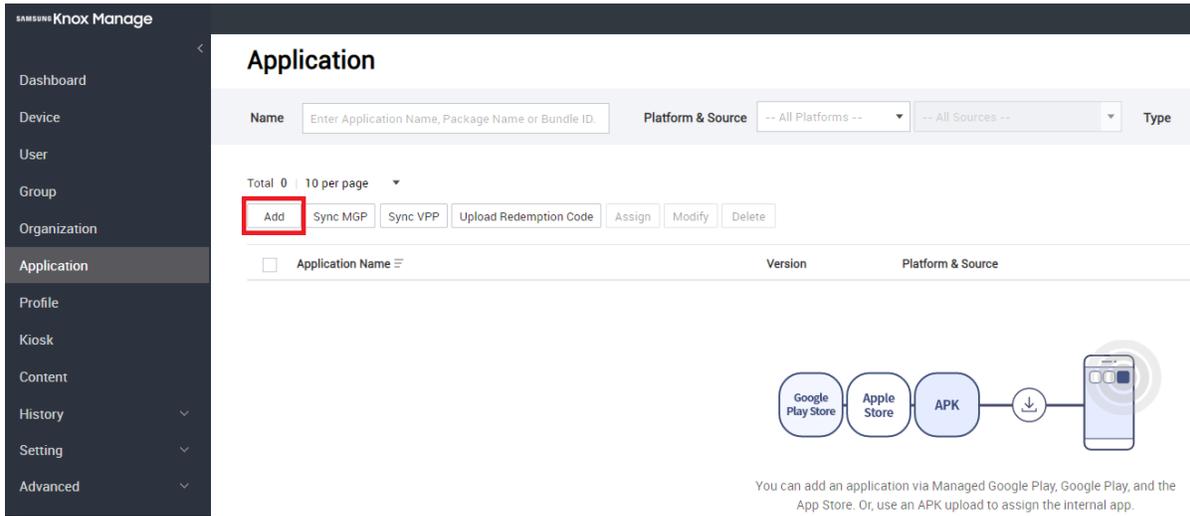


Adding applications to Knox Manage console

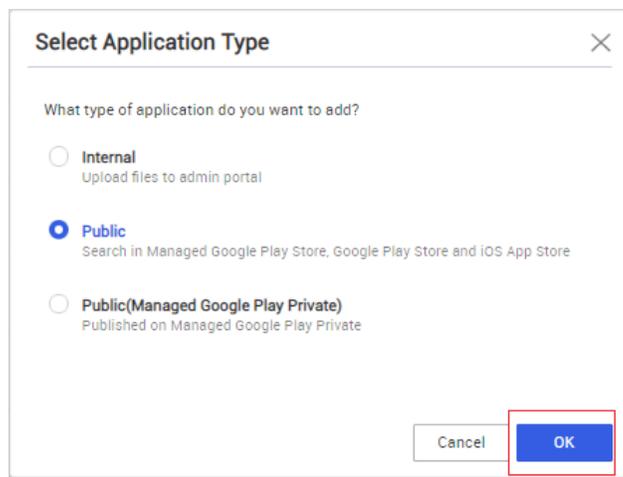
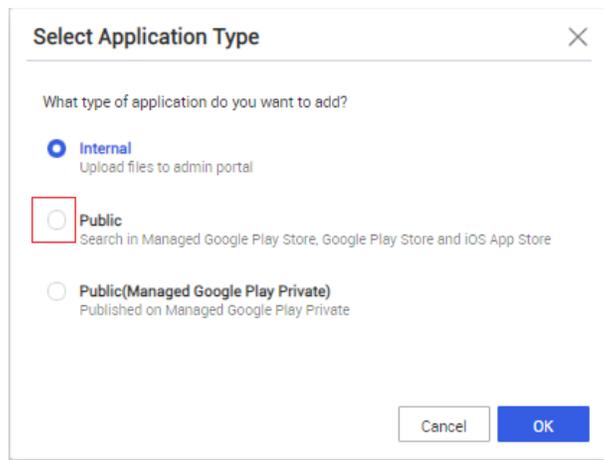
For the purpose of this Guide, a kiosk for one application on the Android Enterprise can be created based on the application, which is located in the Google Play Store.



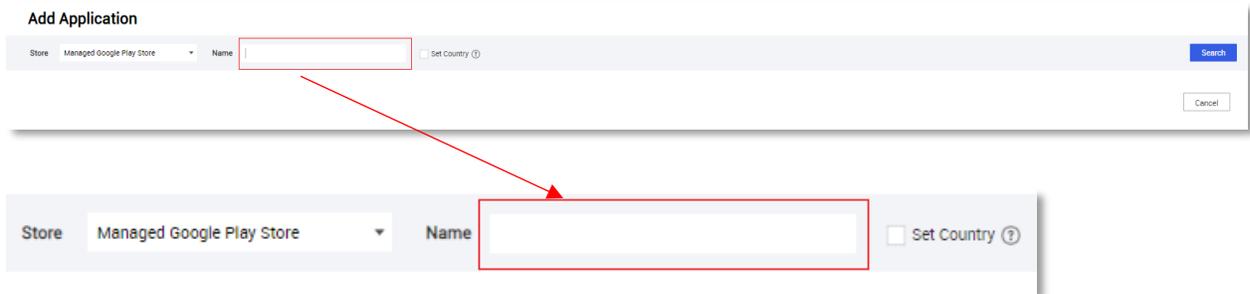
To add managed applications, in Knox Manage Console go to **Application** and click **Add** button.



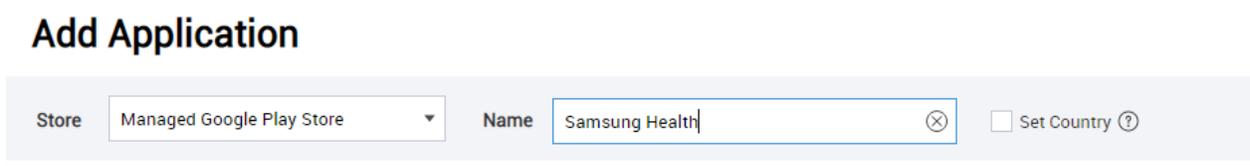
In the pop up box (**Select Application Type**), change the **Internal** app field to **Public** app field.



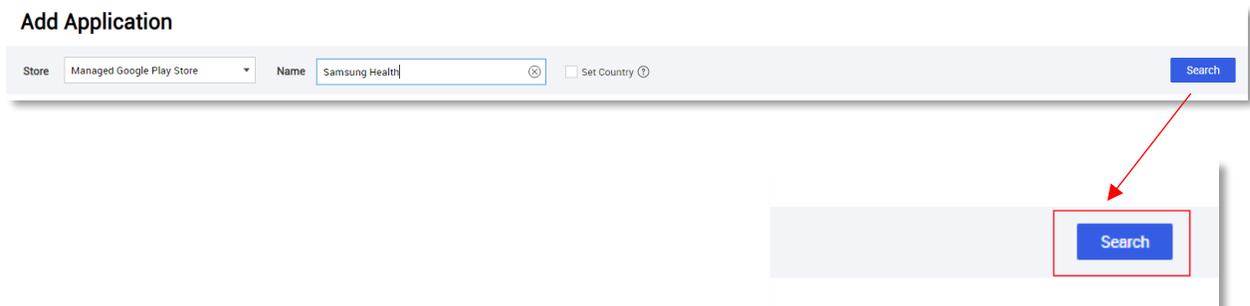
In the **Add Application** window, we leave the **Store** field unchanged (**Managed Google Play Store**). Then click the application **Name** field and enter the name of the application you are looking for.



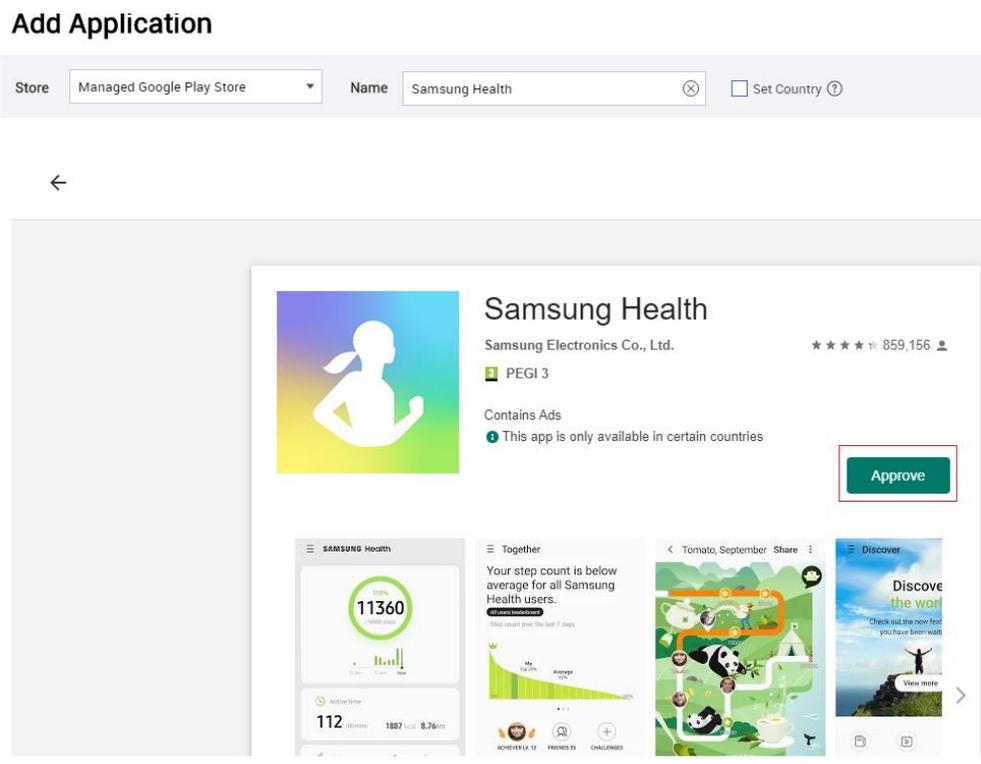
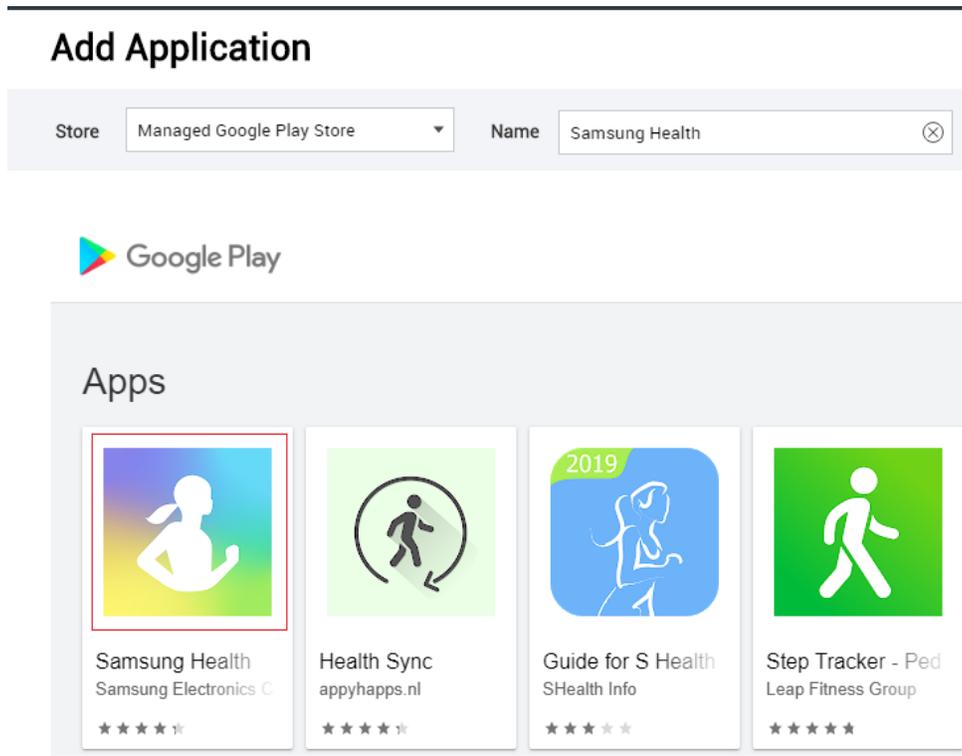
In our case we search for **Samsung Health** application as an example.

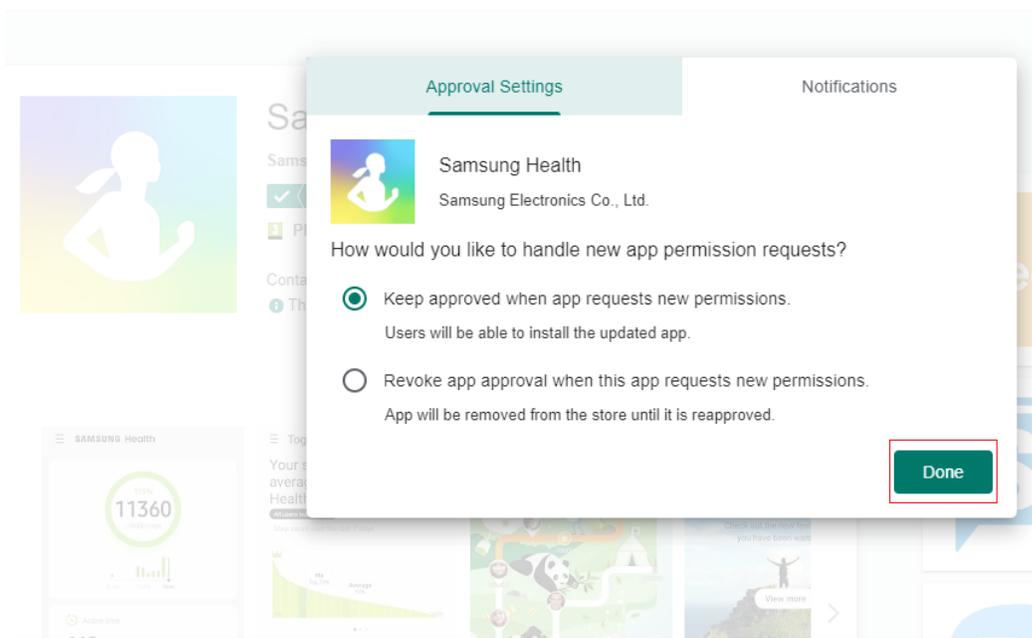
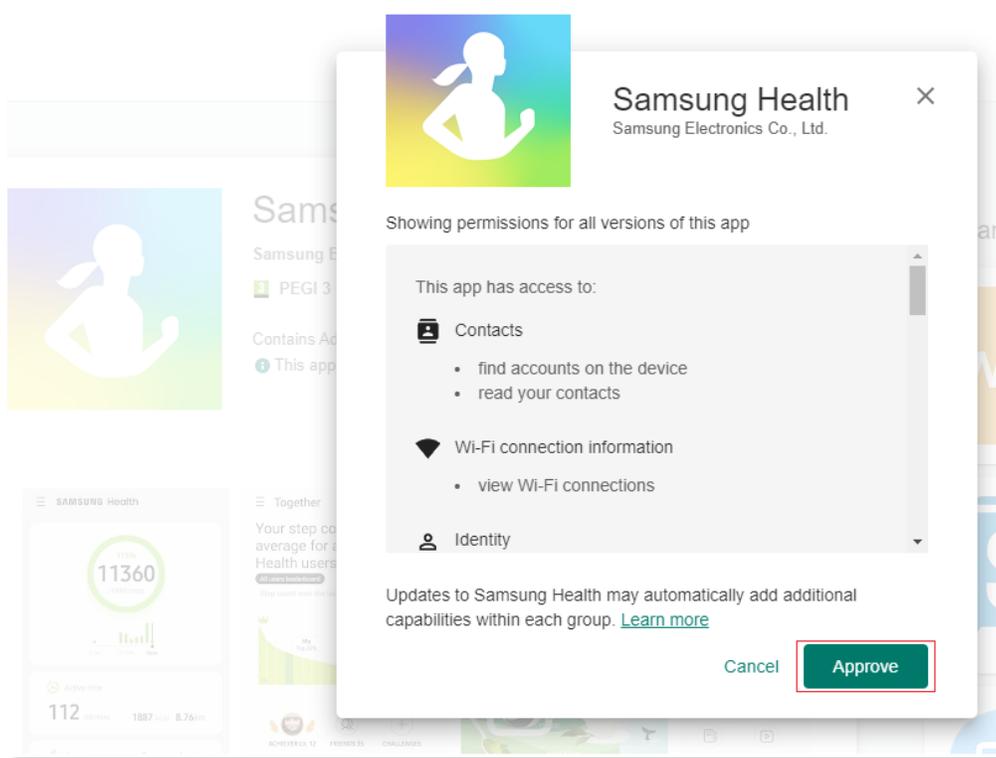


After entering the name, click the **Search** button.



After clicking search button, the list of applications matching the key word will be displayed. Click on the **Samsung Health** icon (view below). Later on please follow further instructions by clicking individual steps marked with a red frame on next screenshots. That process configures permissions for the app.





Add Application

Name * Samsung Health

Version * 6.7.1.003

Package Name * com.sec.android.app.shealth

URL * https://play.google.com/store/apps/details?id=com.sec.android.app.shealth&hl=en

Platform & Source * Android Managed Google Play Store

Type * Public

Category * Common [Manage Category](#)

Unassign Option Uninstall app when unassigned

Description Lifestyle companion to track your fitness, weight, diet, food & sleep.

Icon * 

(The remaining screenshot is on the next page).

Icon * 

Screenshot

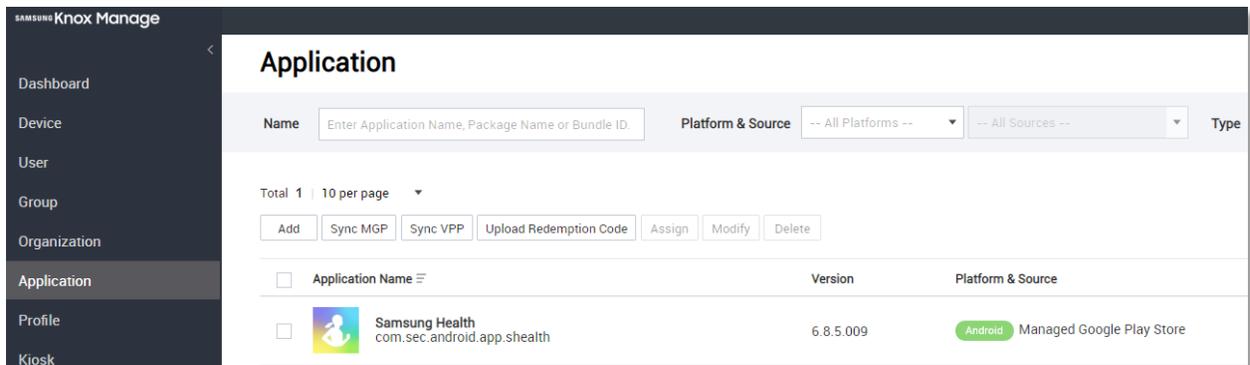
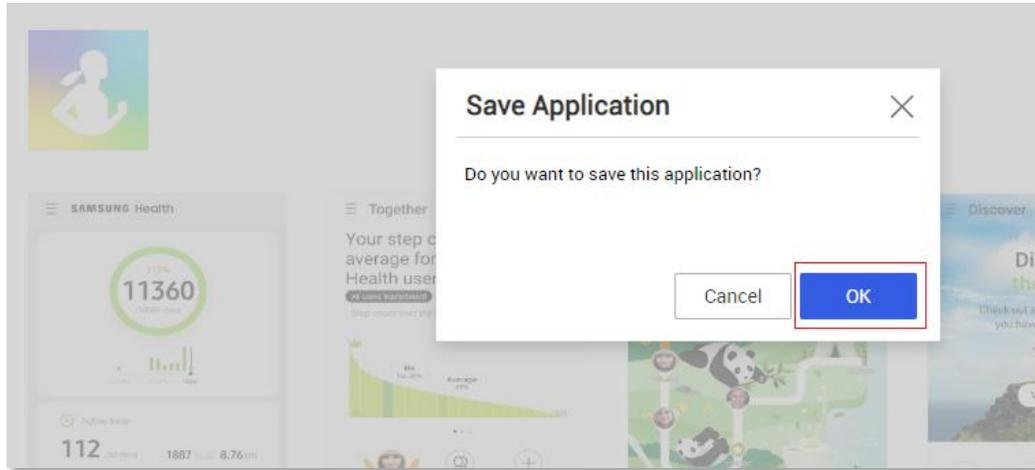


Buttons: Cancel Save Save & Assign

Buttons: Cancel Save Save & Assign

In the process of approving the application to the company store, the penultimate step is to click the **Save** button.

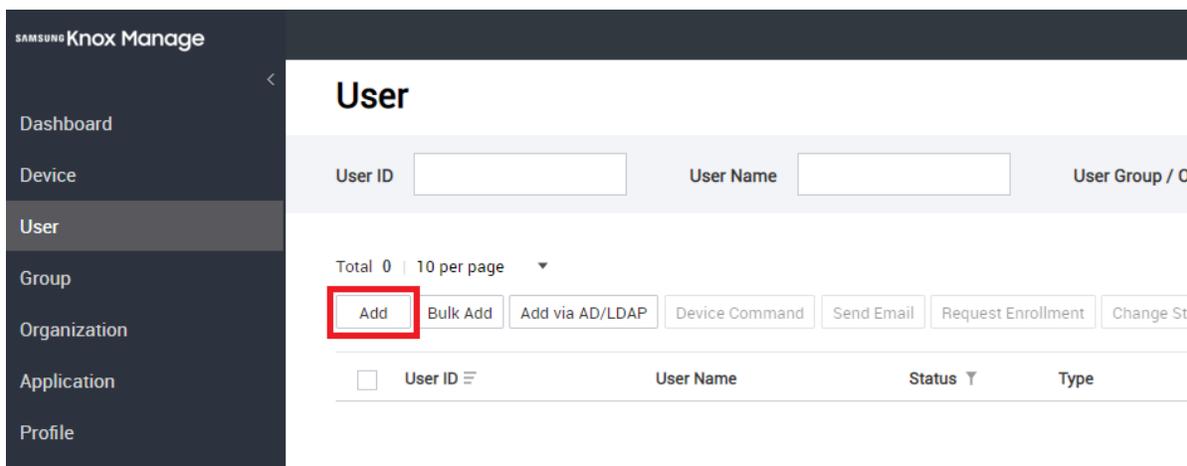
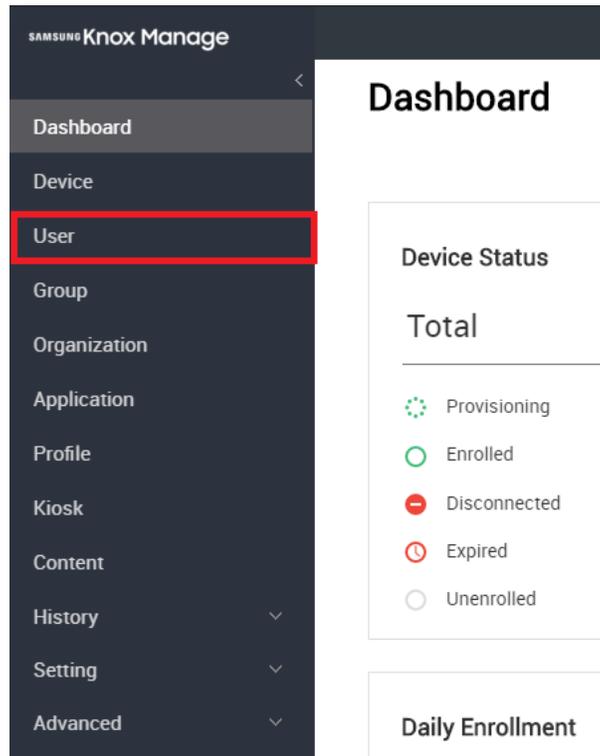
The process of adding the managed application to the Knox Manage console is completed by clicking **OK** button in **Save Application** window.



Create users

The key element in Knox Manage is the user. We can create users locally, or download users from AD. Information about with AD integration can be found at this [link](#).

A local user was used for this Guide. In order to create such a user we have to go to Knox Manage menu > [User](#) > and click [Add](#) button



Add User

Enter all required fields to add a user. The user can sign in using the ID and password you entered below.

User ID *	<input type="text" value="ID"/>	@[REDACTED].com
Password *	<input type="password" value="Between 8 and 30 characters."/>	<input type="checkbox"/> Reset after Sign-in
Confirm Password *	<input type="password"/>	
User Name *	<input type="text"/>	
Email *	<input type="text"/>	
Mobile Number	<input type="text" value="Poland (+48)"/>	<input type="text"/>
User Group / Organization *	<input type="button" value="Select"/>	0 Selected
Android Manage Type * [?]	<input checked="" type="radio"/> Android Legacy	<input type="radio"/> Android Enterprise <input type="radio"/> Follow Organization Type
AD/LDAP Sync *	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Tag	<input type="button" value="Add"/>	-

All required fields must be completed. The last step in creating a user account is to click the **Select** button, located in the **User Group/Organization** section.

For more information on creating and managing users, see this [link](#).

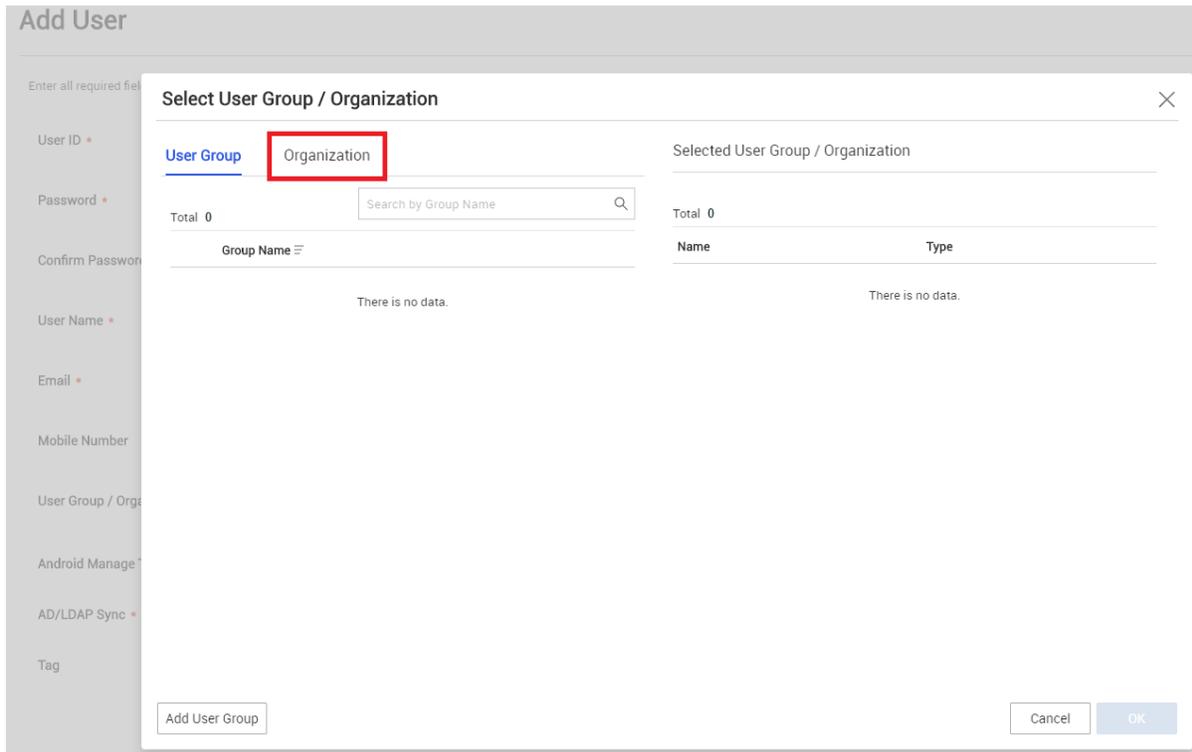
After filling in all required fields, in the **User Group/Organization** field, click **Select** button.

Add User

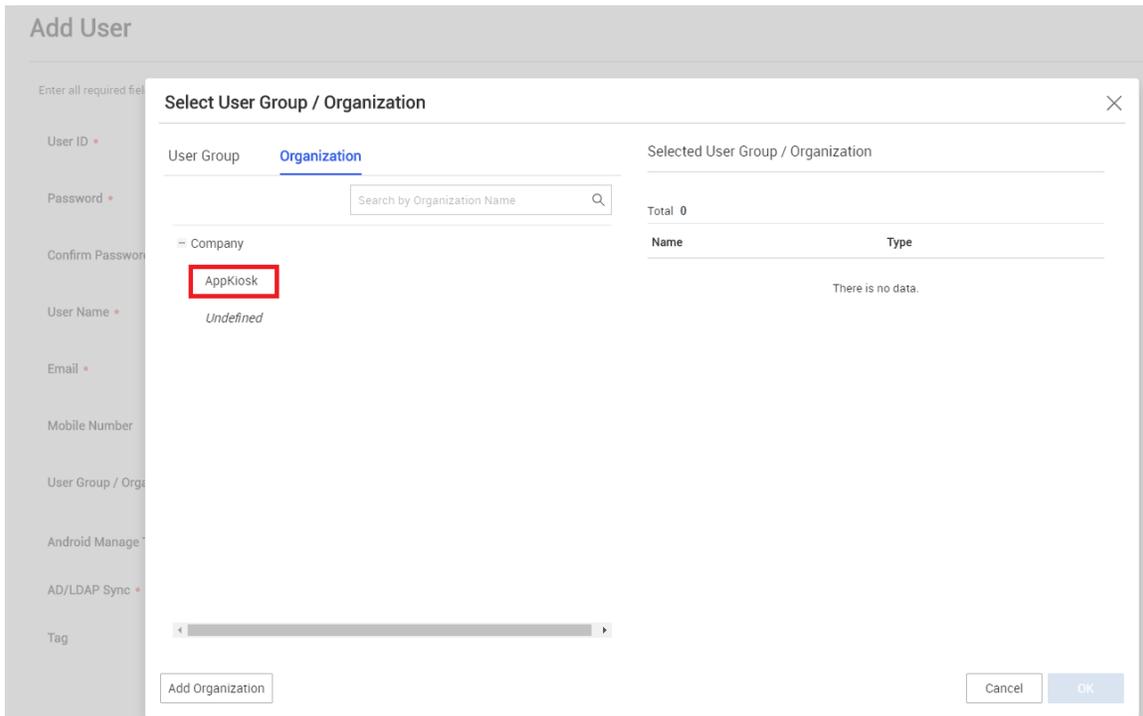
Enter all required fields to add a user. The user can sign in using the ID and password you entered below.

User ID *	<input type="text" value="show06"/>	@[REDACTED].com
Password *	<input type="password" value="....."/>	<input type="checkbox"/> Reset after Sign-in
Confirm Password *	<input type="password" value="....."/>	
User Name *	<input type="text" value="Show06"/>	
Email *	<input type="text" value="show06@[REDACTED].com"/>	
Mobile Number	<input type="text" value="Poland (+48)"/>	<input type="text"/>
User Group / Organization *	<input type="button" value="Select"/>	0 Selected
Android Manage Type * [?]	<input checked="" type="radio"/> Android Legacy	<input type="radio"/> Android Enterprise <input type="radio"/> Follow Organization Type
AD/LDAP Sync *	<input type="radio"/> Enable	<input checked="" type="radio"/> Disable
Tag	<input type="button" value="Add"/>	-

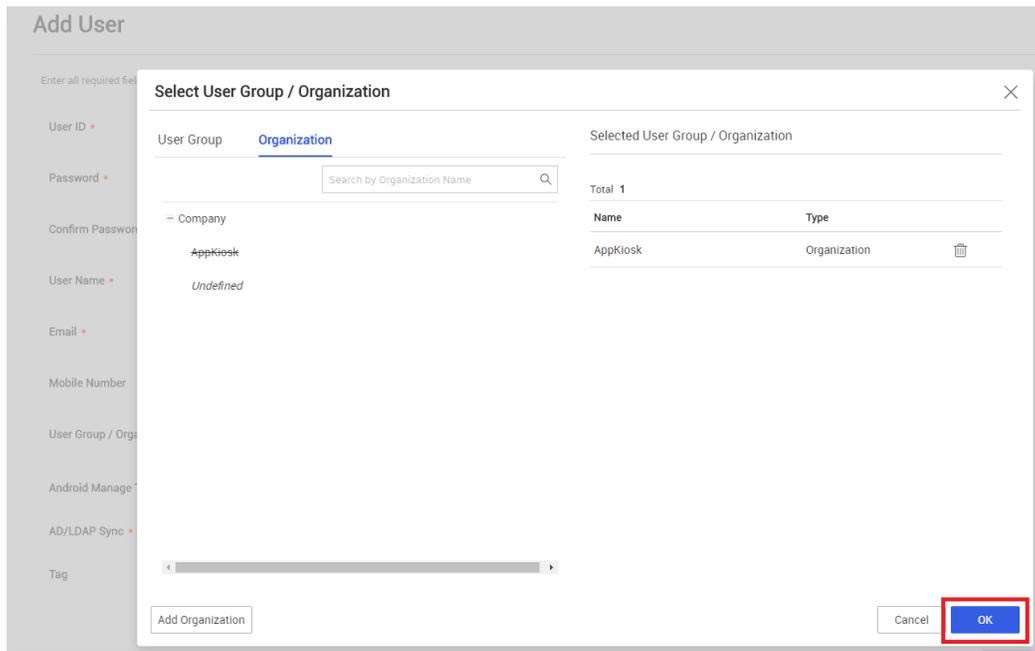
In the new window [Select User Group / Organization](#) and click on the tab [Organization](#)



After selecting the [Organisations](#) tab, click on the name of the organisation we created (description of creating an organisation in the previous chapter). In our case it is the [AppKiosk](#) organization



Once you have selected your organization, it will appear on the right hand side in the **Select User Group / Organization** column and click **OK** button.



Add User

Enter all required fields to add a user. The user can sign in using the ID and password you entered below.

User ID * @red.samsung.com

Password * Reset after Sign-in

Confirm Password *

User Name *

Email *

Mobile Number

User Group / Organization * 1 Selected

Name	Type
AppKiosk	Organization

Android Manage Type * Android Legacy Android Enterprise Follow Organization Type

AD/LDAP Sync * Enable Disable

Tag -



How to configure Single App Kiosk in Android Enterprise? v 1.0.

User Group / Organization • Select 1 Selected

Name	Type
AppKiosk	Organization

Android Manage Type • Android Legacy Android Enterprise Follow Organization Type

AD/LDAP Sync • Enable Disable

Tag Add -

Cancel Save Save & Request Enrollment

The last step is to click the **Save** button.

Cancel Save Save & Assign

Once this is done, we just need to confirm it. Click **OK** button.

User ID • show06 @reu.samsung.com

Password • Reset after Sign-in

Confirm Password •

User Name • Show06

Email • show06@samsungets.com

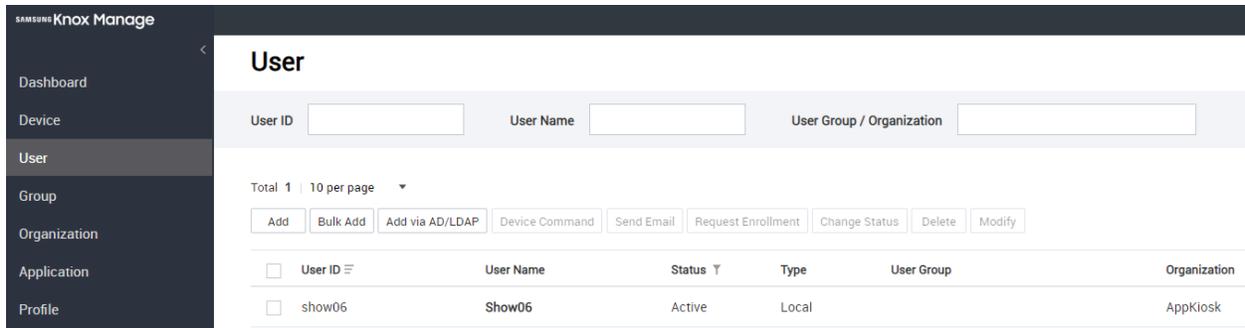
Mobile Number Poland (+48)

User Group / Organization • Select 1 Selected

Save User ✕

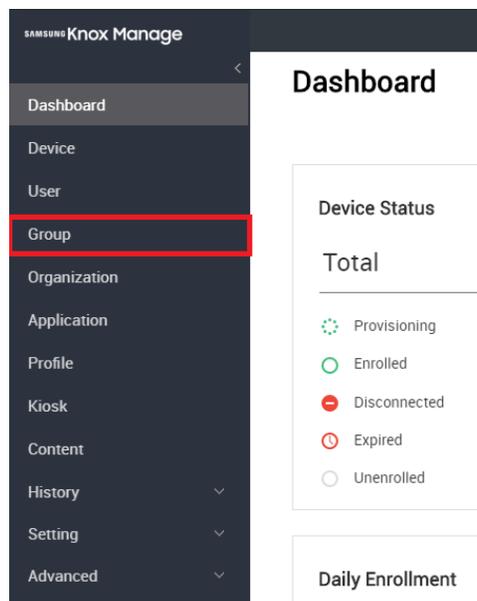
Do you want to save the user?
Profiles and applications assigned to group or organization will be automatically assigned to the user.

Cancel OK

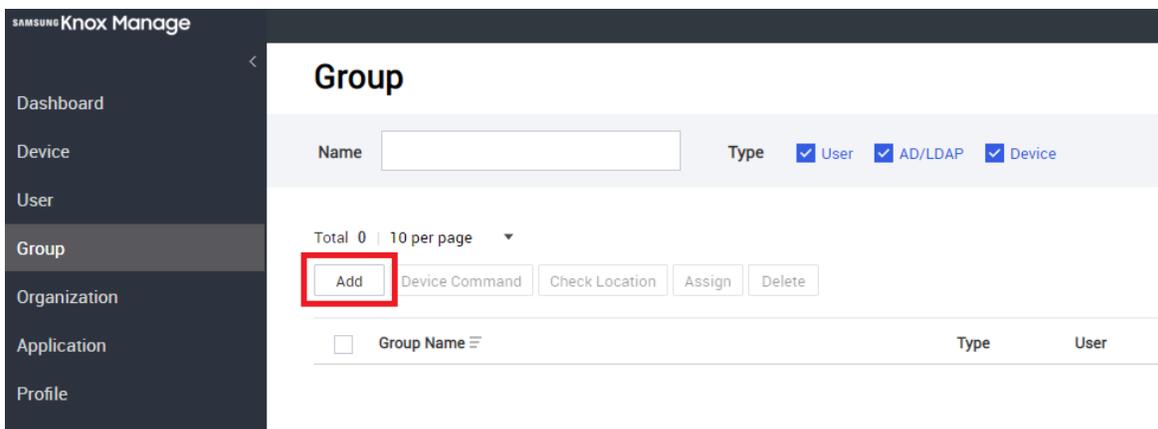


Create group

The following steps describe what we need to do to form the Group.



Go to Knox Manage menu > [Group](#) > and click [Add](#) button



Create a Group name (below the box marked with a red frame).

Add Group

Name * The entered group name cannot be changed.

Type * User Device

All Users

Total 1

<input type="checkbox"/>	User ID	User Name	Group & Organization
<input type="checkbox"/>	show06	Show06	AppKiosk

Selected User

Total 0

User ID	User Name	Group & Organization
There is no data.		

In the All Users section, select the check box next to User ID (below the box marked with a red frame). In our case, this is the user: [show06](#).

Add Group

Name * The entered group name cannot be changed.

Type * User Device

All Users

Total 1

<input type="checkbox"/>	User ID	User Name	Group & Organization
<input checked="" type="checkbox"/>	show06	Show06	AppKiosk

Selected User

Total

User ID	User Name	Group & Organization
There is no data.		

When a user is selected, it will appear in the **Selected User** column on the right-hand side

Add Group

Name * The entered group name cannot be changed.

Type * User Device

All Users

Total 1

<input checked="" type="checkbox"/>	User ID	User Name	Group & Organization
<input checked="" type="checkbox"/>	show06	Show06	AppKiosk

Selected User

Total 1

User ID	User Name	Group & Organization
show06	Show06	AppKiosk 

After creating the group, click on the **Save & Assign** button

Add Group

Name
The entered group name cannot be changed.

Type User Device

All Users

Total 1

<input checked="" type="checkbox"/>	User ID	User Name	Group & Organization
<input checked="" type="checkbox"/>	show06	Show06	AppKiosk

Selected User

Total 1

User ID	User Name	Group & Organization	
show06	Show06	AppKiosk	

Navigation: < < 1 > >

Buttons: Cancel Save **Save & Assign**

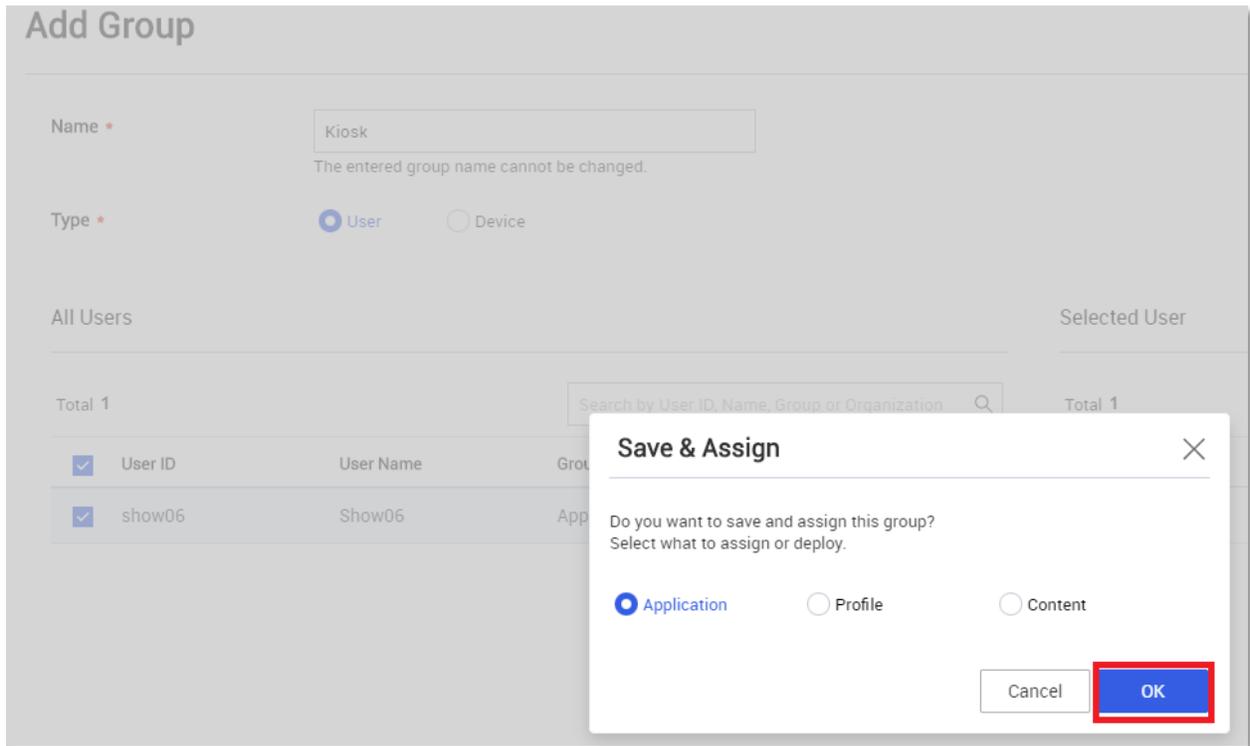
Buttons: Cancel Save **Save & Assign**

The next step is described in the application assignment section.

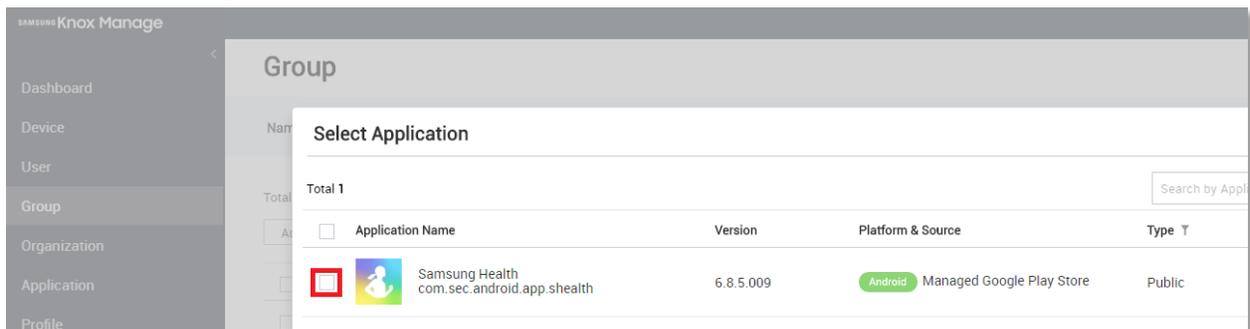
Application assignment

The following description applies to all applications added to the Knox Manage managed store.

The following description is a continuation of the previous chapter. In the new window ([Save & Assign](#)) we leave the selected option which is [Application](#). To confirm, click [OK](#) button.



In [Select Application](#) we select the application to be assigned to the group. In our case it is [Samsung Health](#) application.



In the **Assign Application** window, we change in the Target Device section, from **Android Legacy + Enterprise** to **Android Enterprise**.

Assign Application

Target Group

AEKiosk Total 0 Devices

Samsung Health Android Managed Google Play Store | Public

Target Device Android Legacy Android Enterprise Android Legacy + Enterprise

Android Legacy Settings

Install Area General Area + Knox Workspace

Install Type ⓘ Manual

Auto-run after Install Yes No

Android Enterprise Settings

Install Area Work Profile + Fully Managed + Work Profile on Fully Managed

Install Type ⓘ Manual Automatic (Removable)

Auto-run after Install Yes No

Install Type can be changed from **Manual** to **Automatic (Removable)** if needed.

Assign Application

Target Group

AEKiosk Total 0 Devices

Samsung Health Android Managed Google Play Store | Public

Target Device Android Legacy Android Enterprise Android Legacy + Enterprise

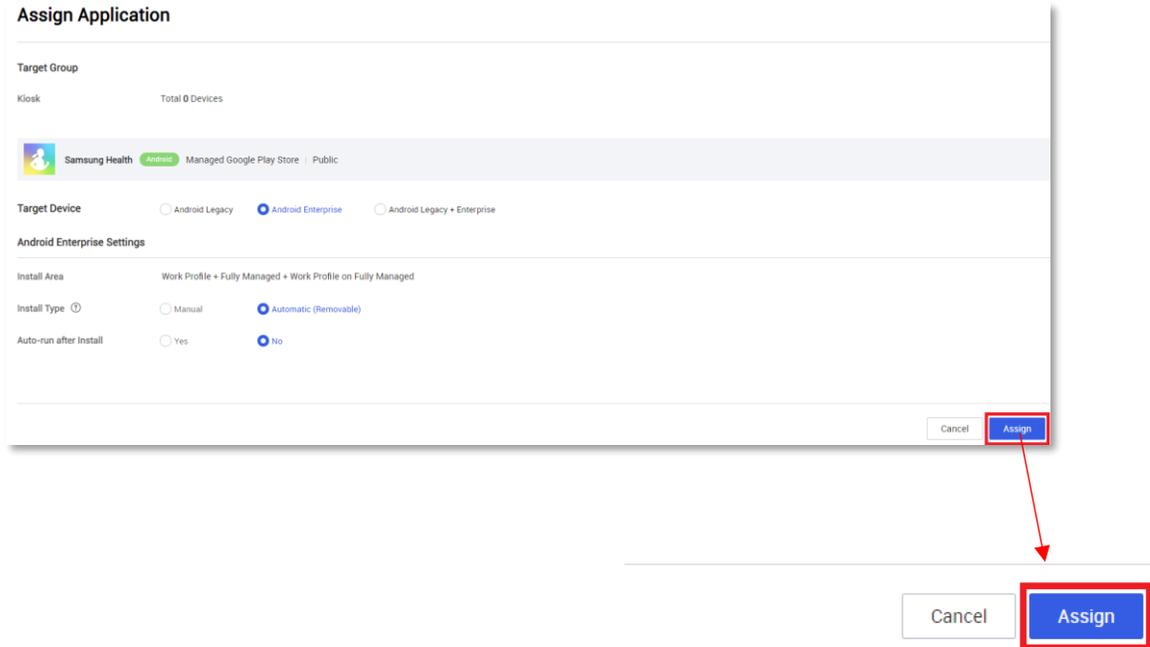
Android Enterprise Settings

Install Area Work Profile + Fully Managed + Work Profile on Fully Managed

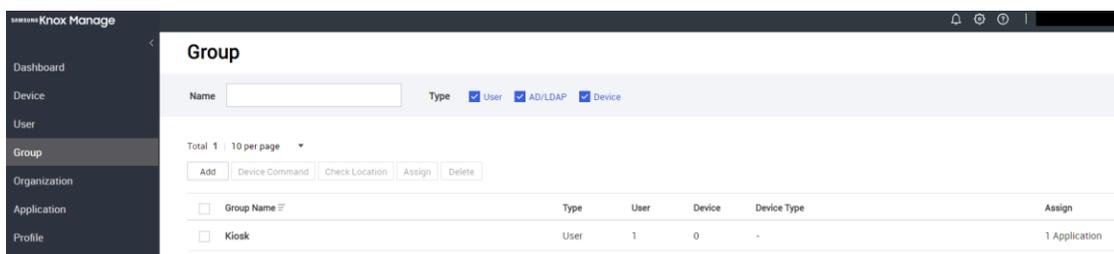
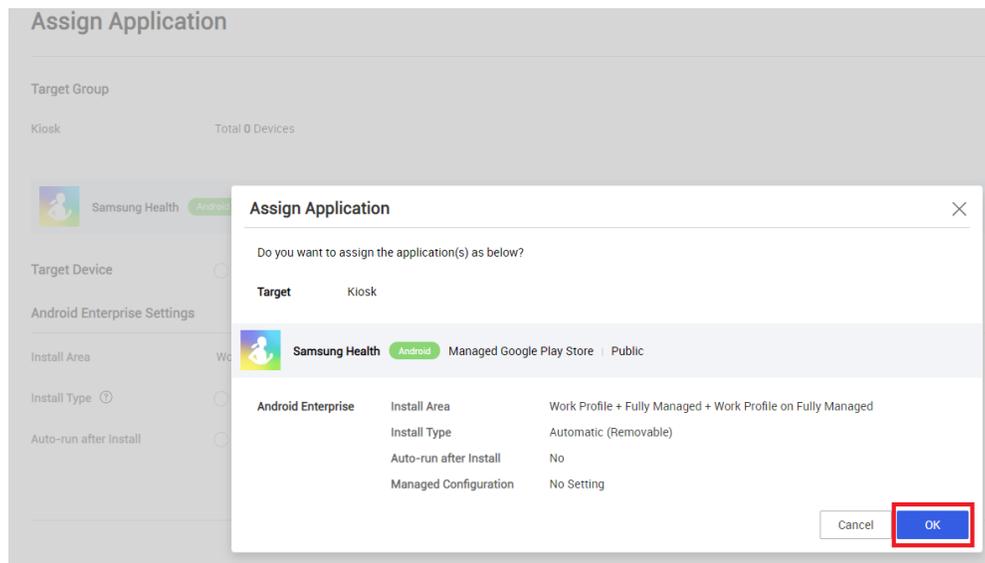
Install Type ⓘ Manual Automatic (Removable)

Auto-run after Install Yes No

At the end, click the **Assign** button

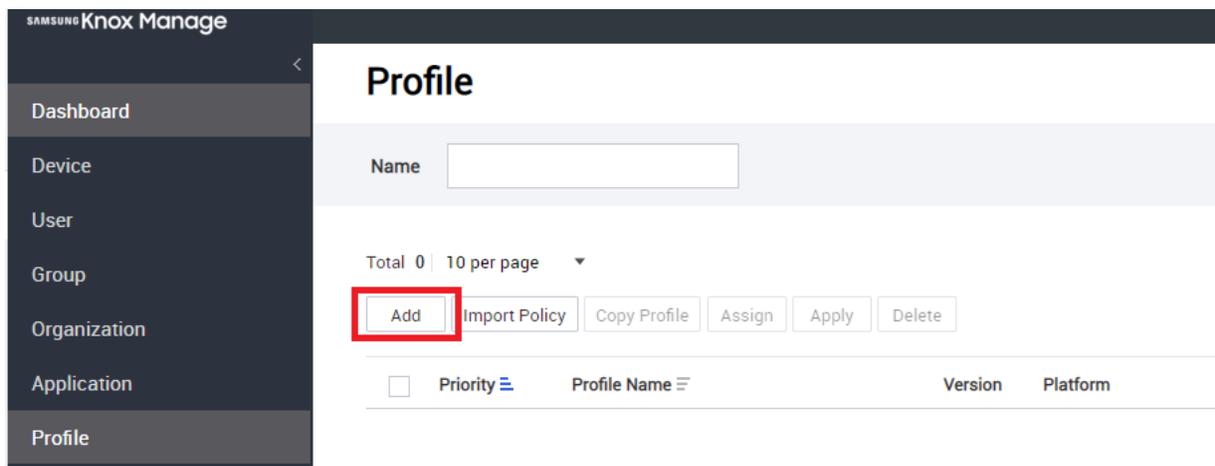
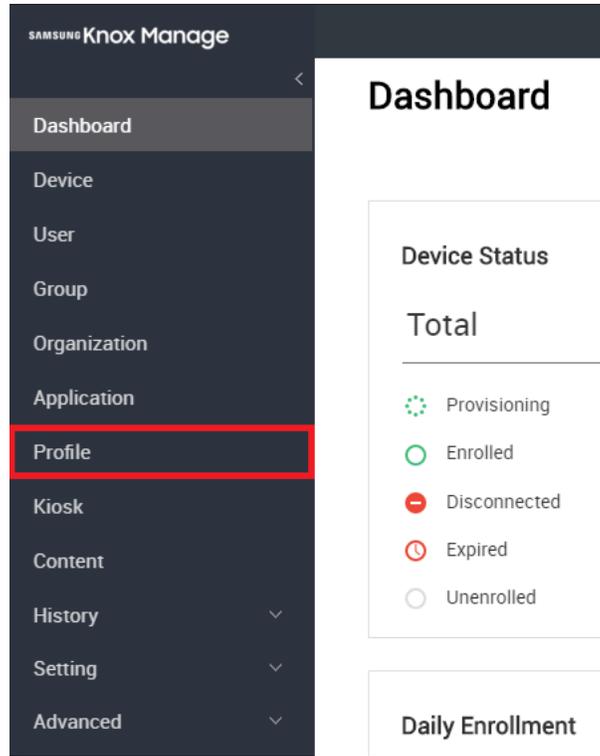


Confirmation of the operation is by clicking **OK** button in the **Assign Application** window



Create Single App Kiosk profile

The last thing to do is to create a profile that will create a Single App kiosk on the phone. In the Knox Manage console we have to go to the [Profile](#) menu and click [Add](#) button.



As in the case of creating a group, you must first give a name to the profile (below the box marked with a red frame).

Add Profile

Name *
The entered profile name cannot be changed.

Platform *

- Android Enterprise
- Android Legacy
- iOS
- Windows

Event Profile ?

Description

In the next step, in the **Platform** section we select the **Android Enterprise** box

Add Profile

Name *
The entered profile name cannot be changed.

Platform *

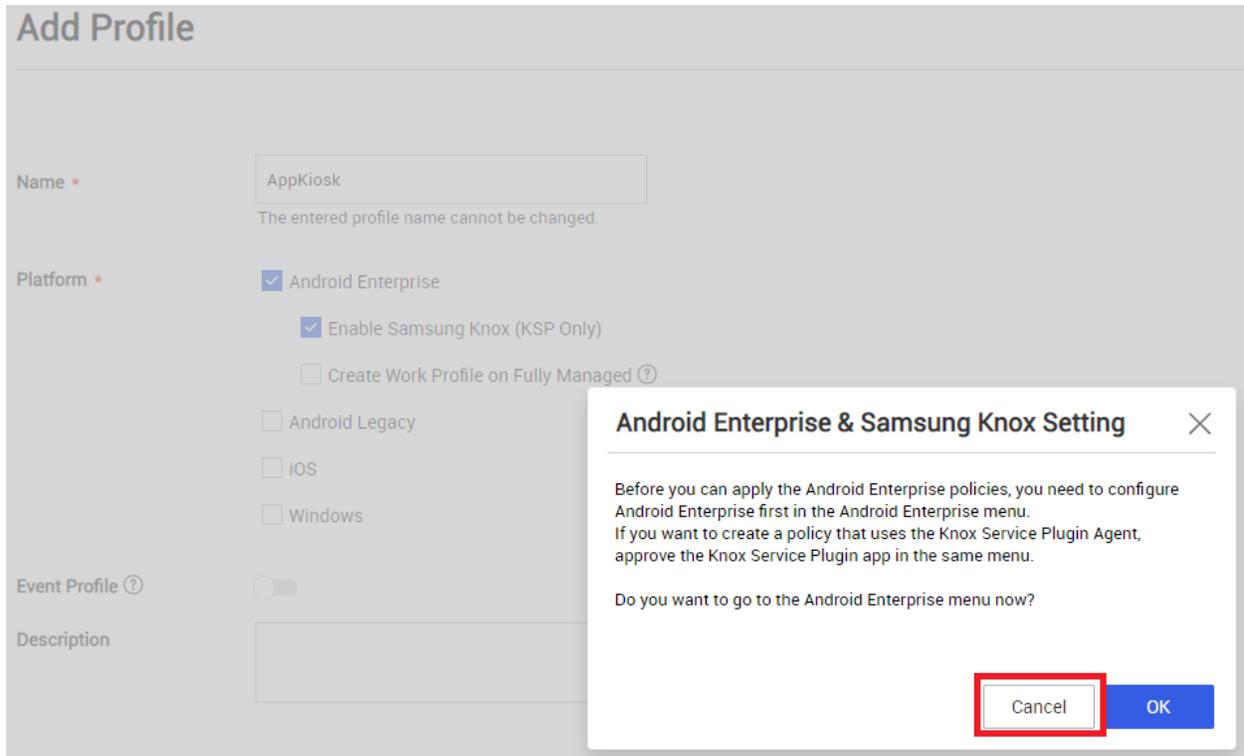
- Android Enterprise
- Android Legacy
- iOS
- Windows

Event Profile ?

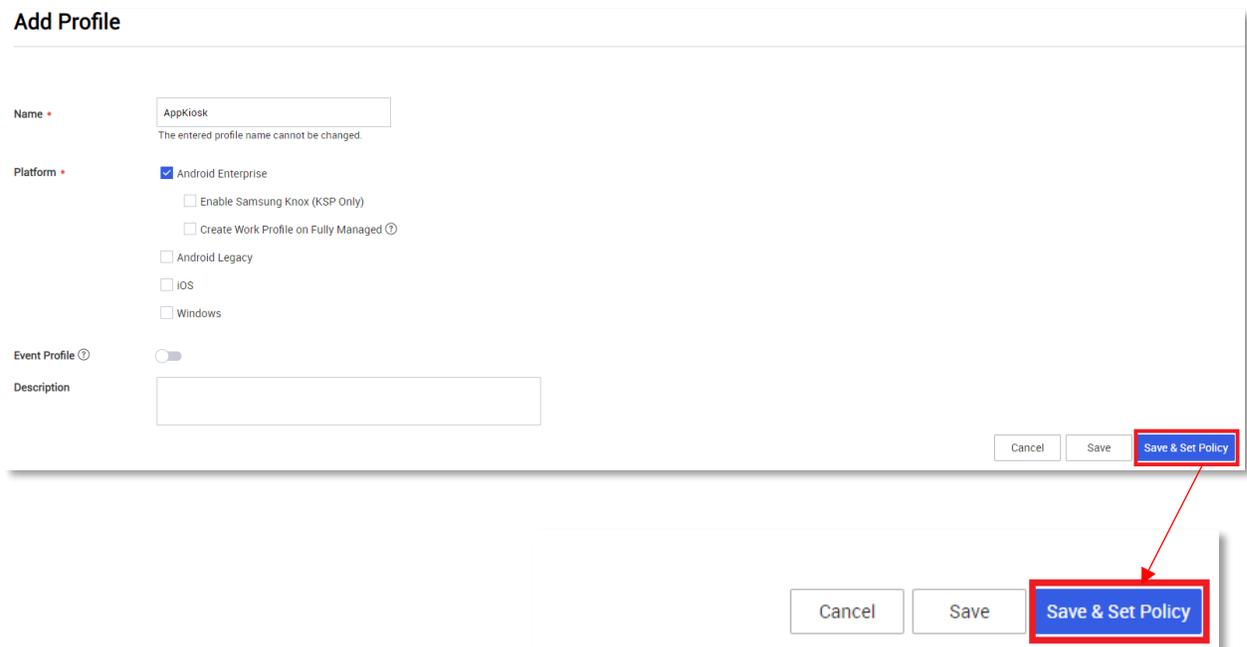
Description

In case of lack of integration with Android Enterprise, select **OK** button and all individual steps are described under this [link](#).

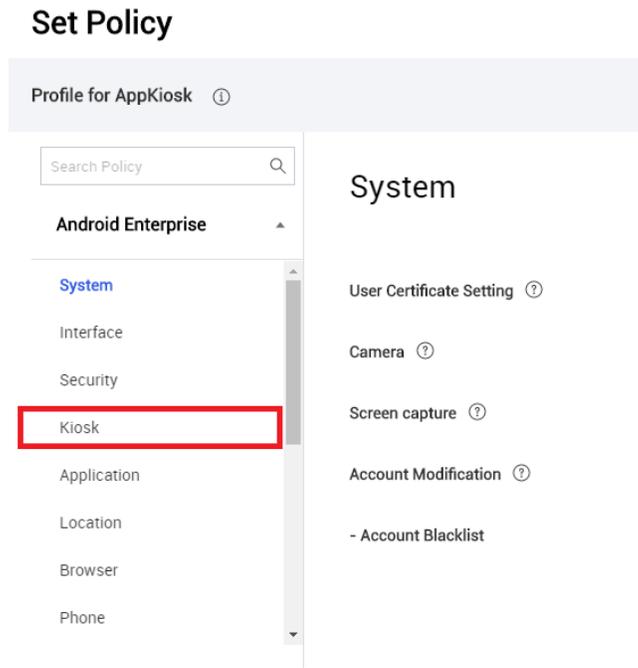
In our example, click the **Cancel** button.



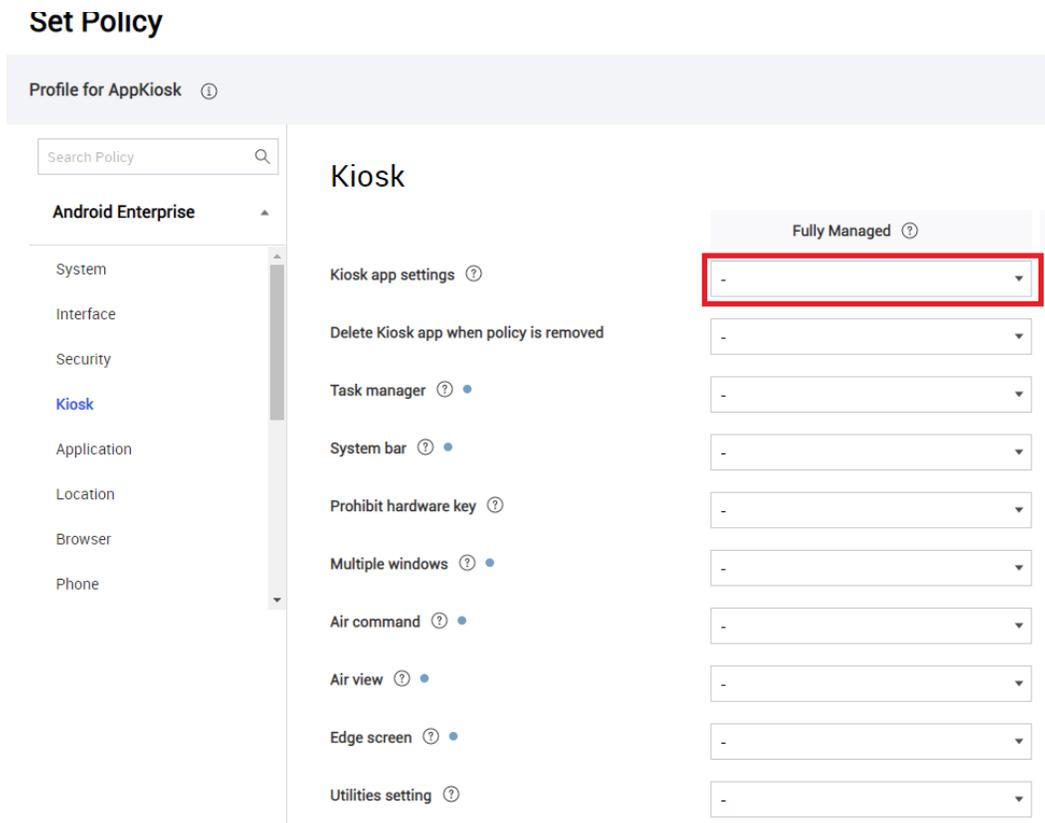
After entering the profile name and selecting Android Enterprise as a platform, click on the **Save & Set Policy** button.



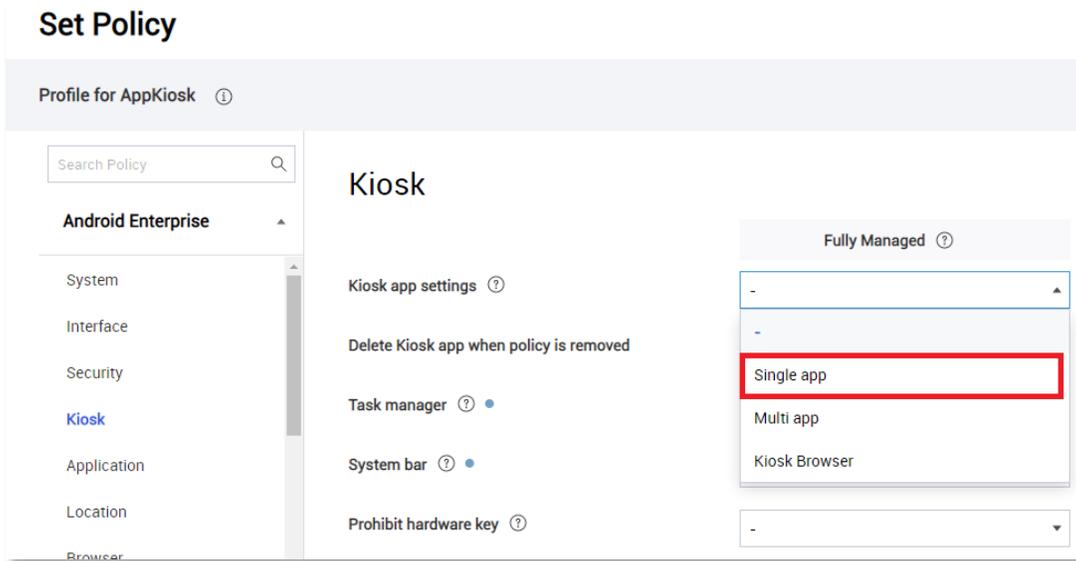
In the [Set Policy](#) window we find the [Kiosk](#) menu.



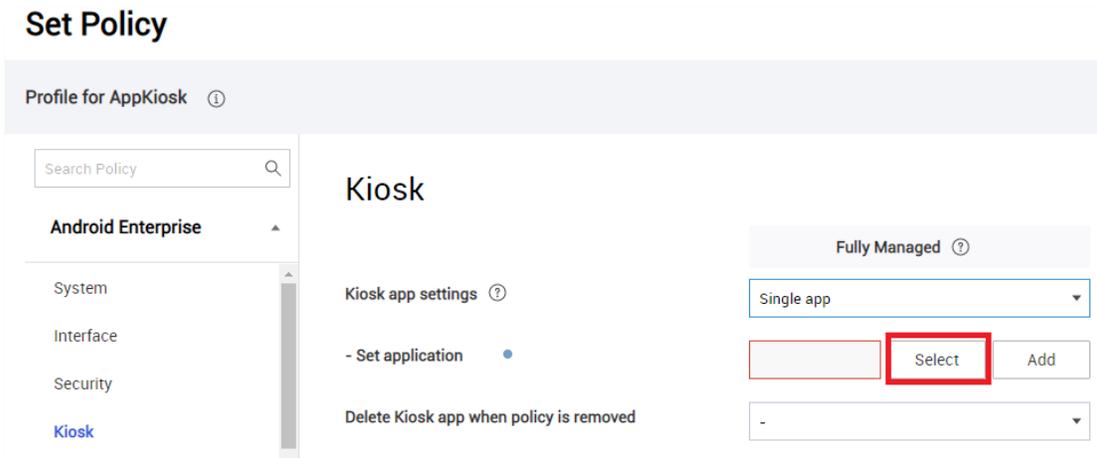
In the [Kiosk](#) menu, click on [Kiosk app settings](#) and drop-down the menu



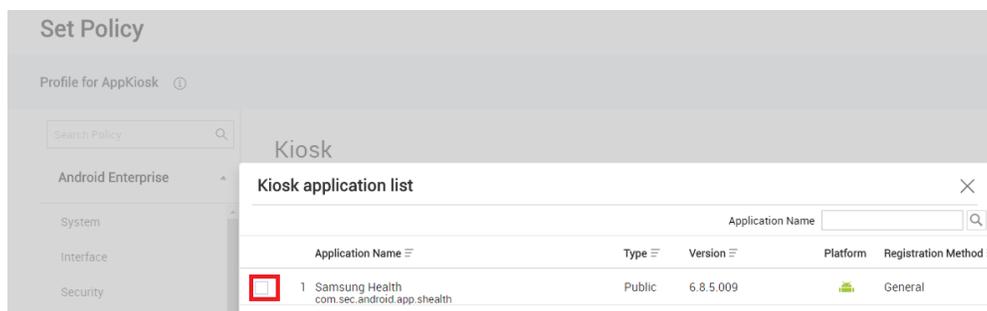
Select **Single app** from the drop-down menu.

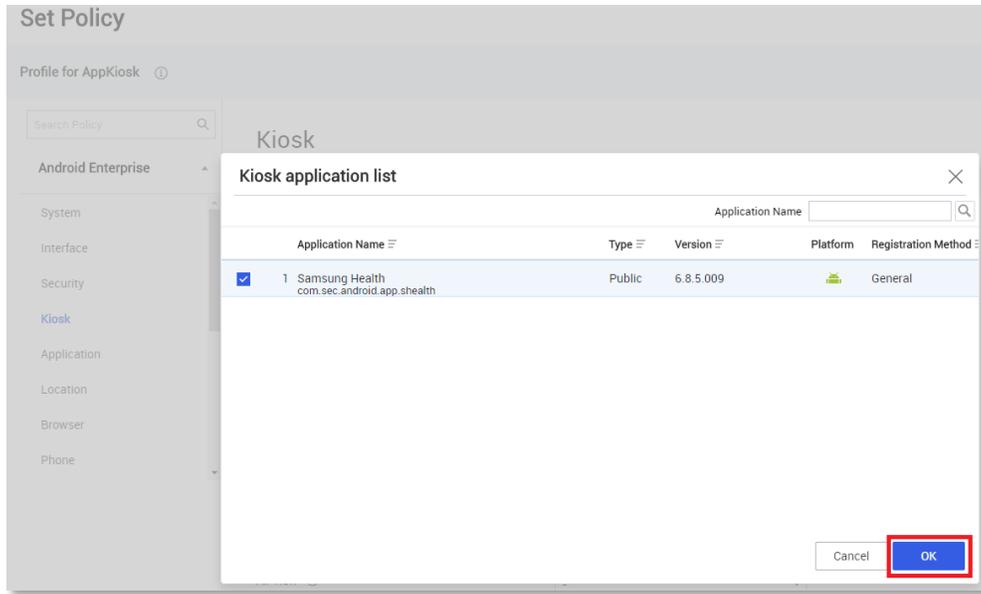


In the **Set application** menu, click the **Select** button.

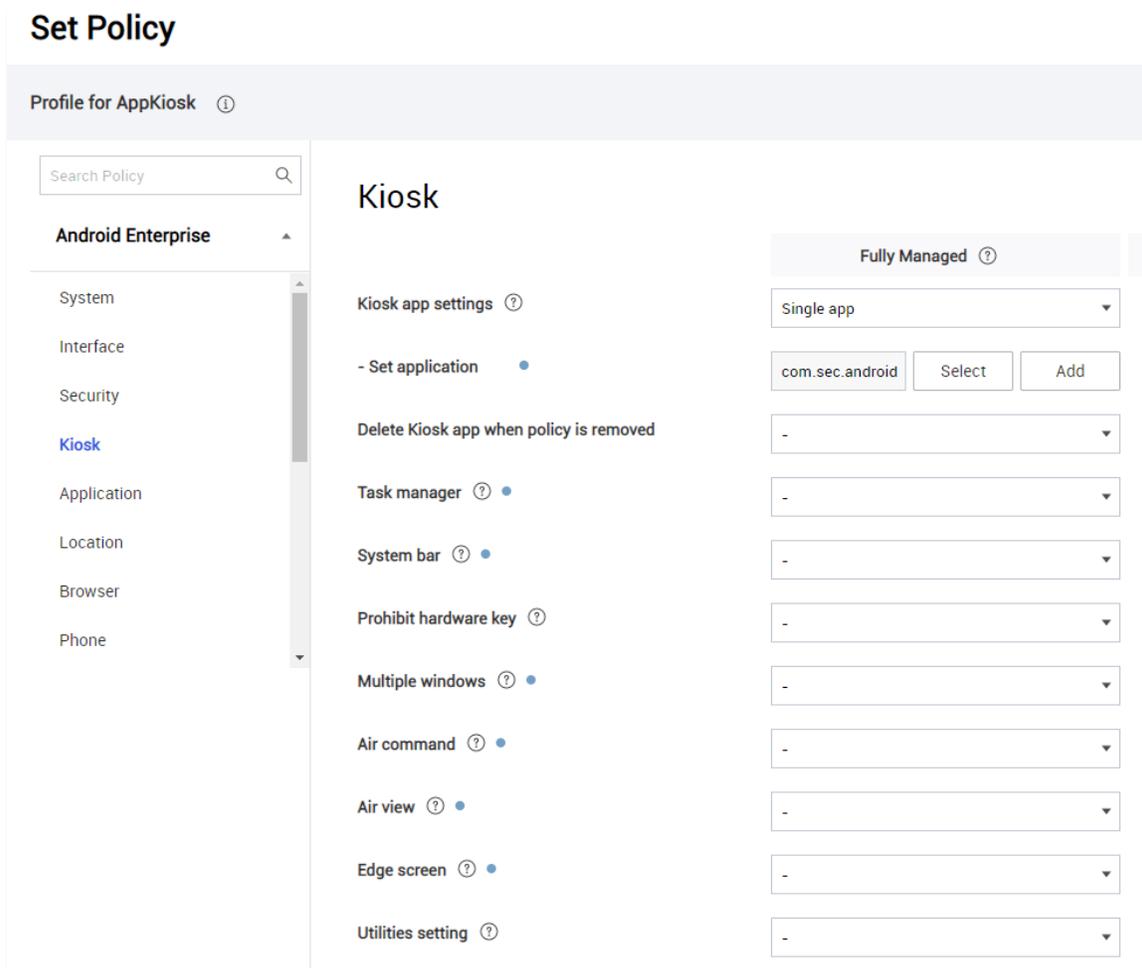


A window (**Kiosk application list**) with a list of managed and kiosk applications will open. Click on the box (below the box marked with a red frame) next to the name of the application you will use to create a kiosk. In our case it is **Samsung Health**.

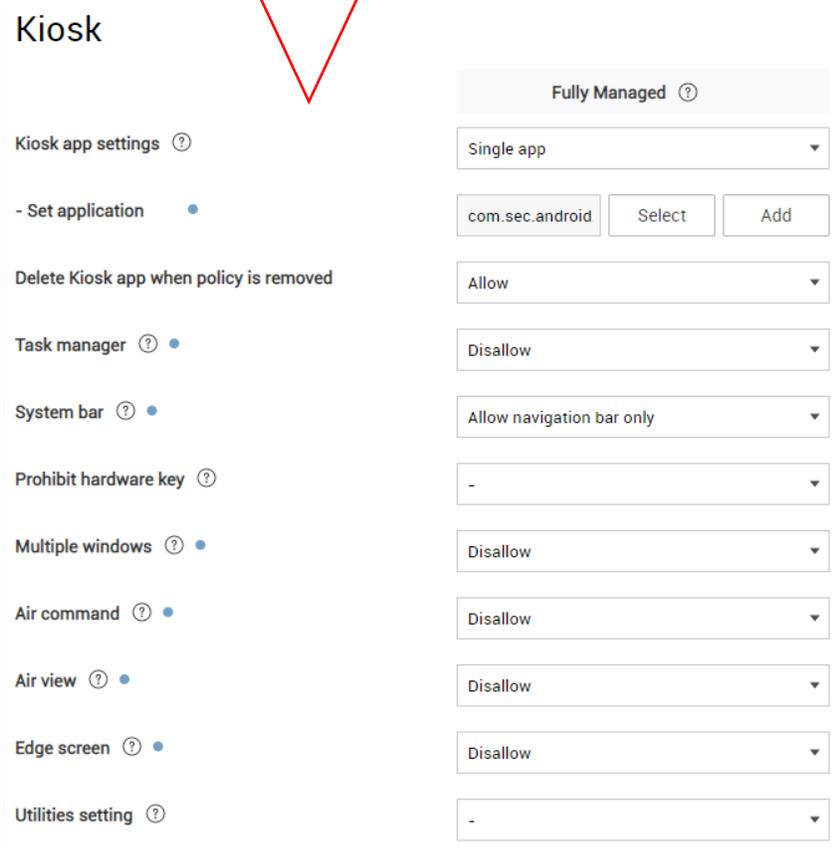
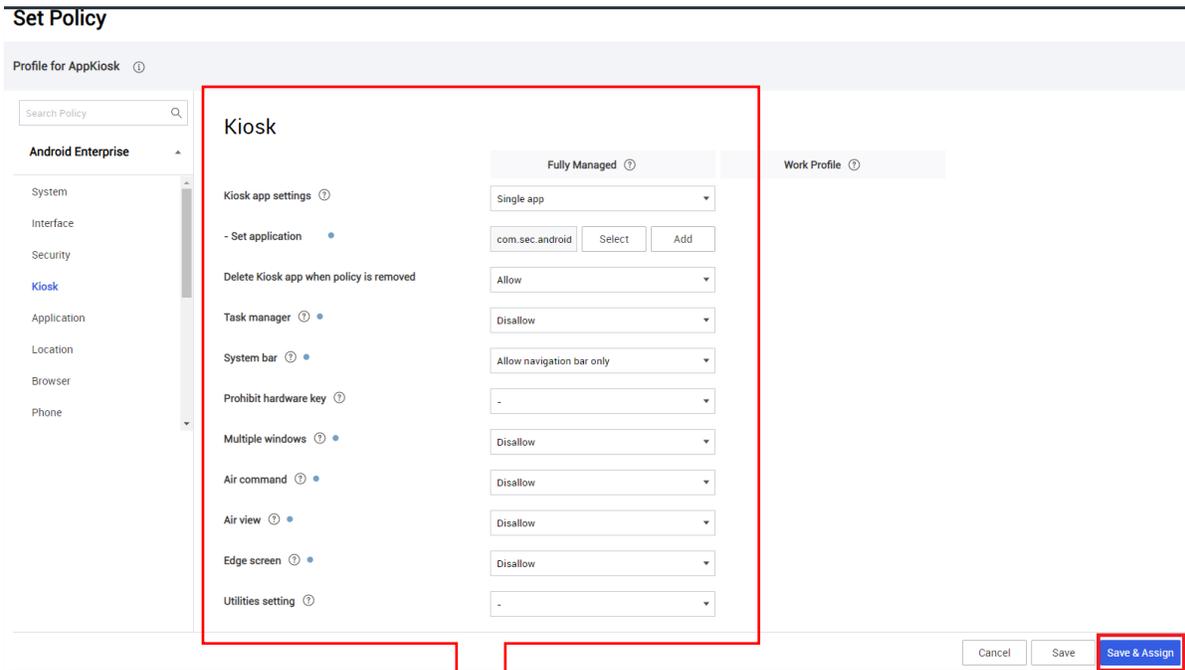




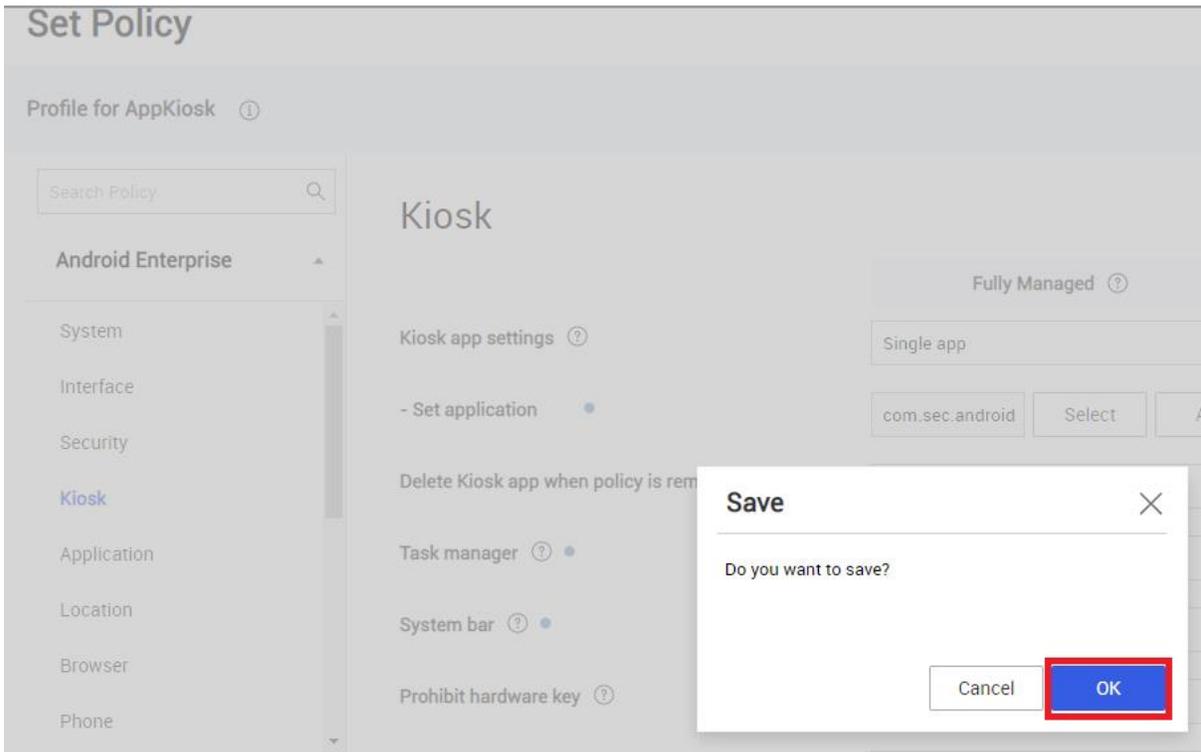
After adding the application, it remains to set policies for the Single App Kiosk



The following are examples of policies. After setting the policies for the profile, click the [Save & Assign](#) button.

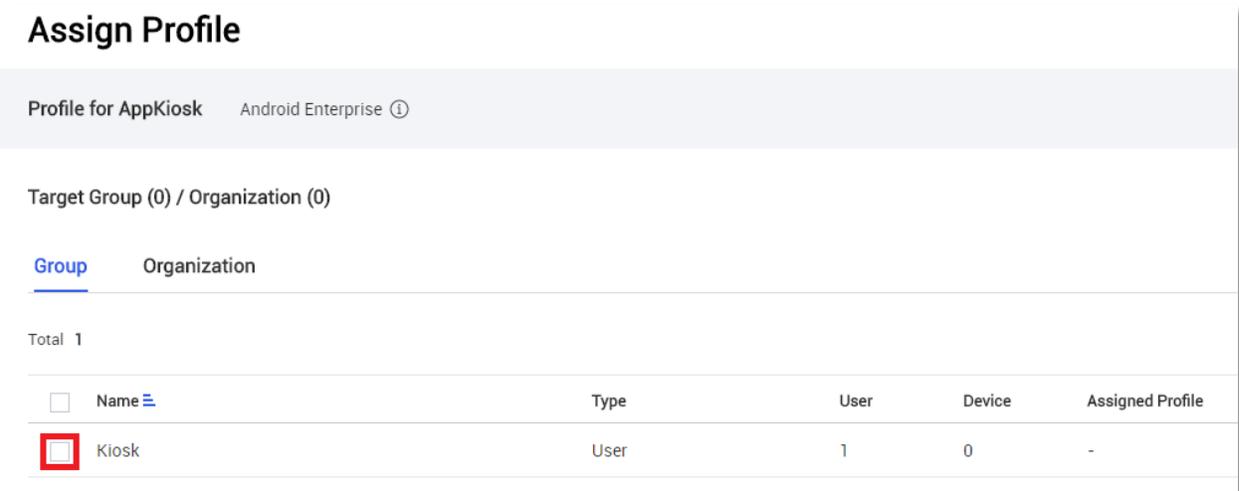


Confirm your changes by clicking **OK** button.

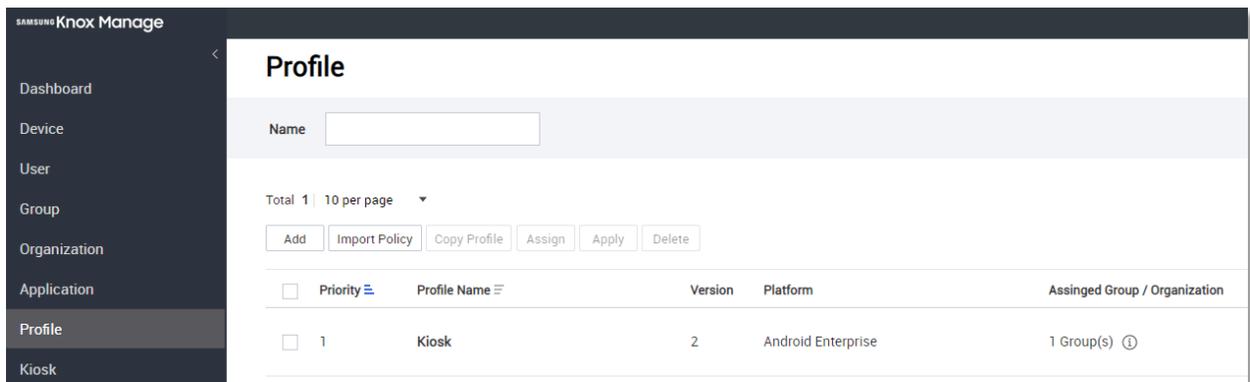
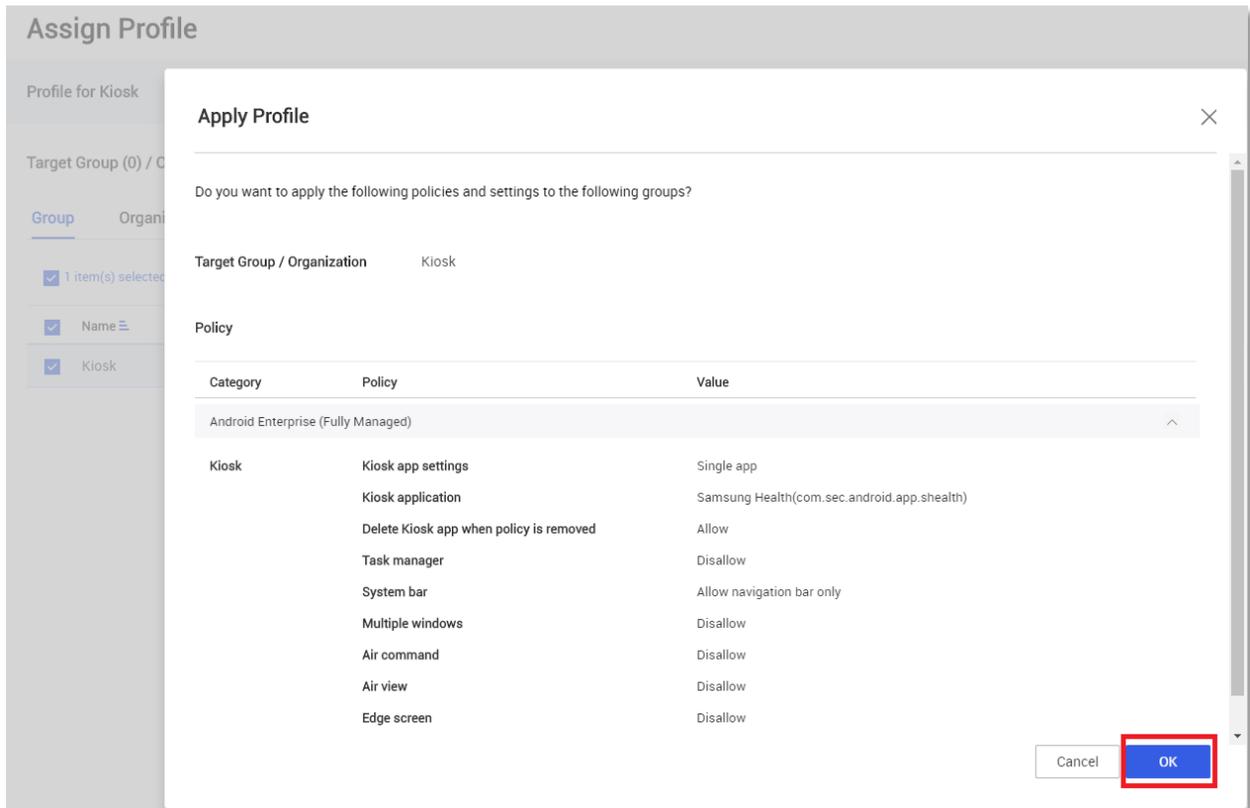


Assign Profile

When you click **OK** button, the **Assign Profile** window opens. In the **Group** tab of the list we find the group we are interested in. In our example it is a group called **Kiosk**. Click on the box and select the profile assignment to this group.



To confirm the assignment, click on the **OK** button.



After all these steps have been taken, all that remains is to register the device with Knox Manage on the designated user.