

Getting started with Managed Google Play

This document briefly describes how to get started to use Managed Google Play (MGP) in DuoSTATION MDM.

Setup integration between MDM and MGP

1. Create a Google-account with a suitable name by using this link:
<https://accounts.google.com/signup/v2/webcreateaccount?flowName=GlifWebSignIn&flowEntry=SignUp>
2. Start MDM
3. Click on 'Settings'
4. Open 'Google EMM integration'
5. Click 'Add enterprise...'
6. Select 'Yes' in the popup confirmation. A new tab will open in your web browser.
7. Create the connection to MGP by using the newly created Google-account and follow the on-screen instructions.
8. When this is completed the following information is displayed:



Google Play EMM enrollment

Enrollment successful!

Enterprise account created for [redacted] by using email account [redacted]

9. Close the tab to get back to MDM.
10. Click on 'Refresh data' to update the list of 'enterprises'.
11. Select the newly added 'enterprise'.
12. Click on 'Edit enterprise ...'.

13. Edit the settings so it suits your organization:

Google enterprise details

Enterprise information

Enterprise name ProgramDuon AB

Display name ProgramDuon AB

Enterprise id [blurred]

Enterprise type EMM integrated

Primary domain -

Settings

Allow using apps for this enterprise in this group (and subgroups):

All / Demo

- All
 - Google Product Review -
 - new devices -
 - ▶ Demo
 - Education
 - ▶ Family

Default product set Show approved produc Select store layout page My Work App

Use as default enterprise

Save Cancel

- 'Display name' is the name that will be displayed everywhere in the system.
- 'Enterprise id' is the text that will be used in KME to automatically assign enrolling devices to this enterprise. Copy this id and paste into a text document for later use.
- Select where in the MDM this enterprise can be used.
- Select which apps should be available in Google Play as default.
- Let 'Select store layout page' be unchanged ('My Work App').
- If only 1 enterprise will be used in your system, you can check 'Use as default enterprise'.

14. Click 'Save'.

Configure Samsung Knox Mobile Enrollment (KME)

1. Start the KME-portal.
2. Open the MDM-profile that is used.
3. Check 'Enable as Device Owner' (if not already checked) and select 'DuoSTATION'.
4. Add 'enterpriseld' in 'Custom JSON data'. The value is the same value that you saved in *Getting started with Managed Google Play* (step 13). 'enterpriseld' can also be found in MDM in Settings>Google EMM integration>(select enterprise)>Edit enterprise. When done

the page should look something like this:

MDM Agent APK *
https://[redacted]/deployment/android/com.duostation.mdm/mdm.apk *

Enable this app as a Google Device Owner

1. Make sure that the MDM supports Google Device Owner provisioning.
2. This feature is only available for devices with Knox 2.8 or above.

Supported MDM *
DuoSTATION

Leave all system apps enabled

ADD MDM APPLICATIONS

Skip Setup Wizard
 Allow end user to cancel enrollment

Custom JSON Data (as defined by MDM)
{"customerId": [redacted], "autoEnroll": 1, "enterpriseId": [redacted]}

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Privacy Policy, EULAs and Terms of Service
Add any End User License Agreements, Terms of Service, or other user agreements that users must acknowledge before using the device. The [Samsung Knox Privacy Policy](#) is always shown.

ADD LEGAL AGREEMENTS

Associate a Knox license with this profile

5. When a new device or factory reset device enrolls using KME, MDM will automatically activate 'device owner' and create an MGP-account on the device that can be used to deploy apps.

Enrolling Samsung devices using KME

When Samsung devices enrolls using KME and 'Enable as Device Owner' is checked in the MDM-profile, the MDM-app will create an MGP -account on the device for that 'enterprise' that matches the 'enterpriseId' specified in the MDM-profile. But only if the user, enrolling the device, is allowed to use this enterprise.

If no 'enterpriseId' is specified in the MDM-profile, the system will list all available enterprises for the user enrolling the device. If only 1 enterprise is available for the user, that enterprise will be used. Otherwise the enterprise marked as default will be used. But only if the user, enrolling the device, is allowed to use the default enterprise.

If MDM cannot find an enterprise, no MGP-account will be created. It's possible to assign an enterprise manually in Console afterwards by selecting the device in 'Devices' and use 'Actions>Google Play>Assign enterprise for selected devices ...'.

Enrolling other Android devices

All Android devices using version 7 or later can be enrolled so that 'device owner' will be activated and a MGP-account created. It's possible to do this when the device is new or after a factory reset.

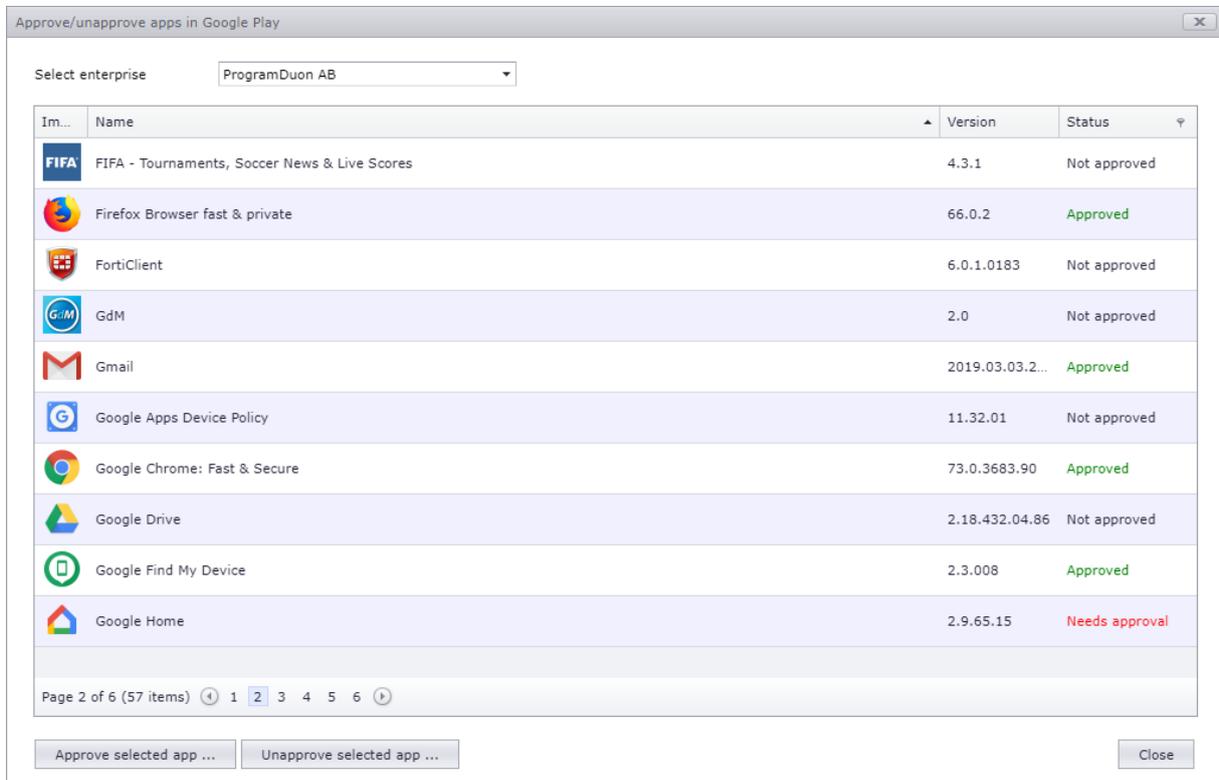
At start the setup wizard ask for language, connection to internet and then to enter a Google-account. In that form, enter the value below as account name:

afw#duostation

By doing that, the device downloads the MDM-app from Google Play and then launches the app. Then follow the on-screen instructions.

Approve/unapproved apps

Before apps can be deployed using MGP, the apps to be deployed must be approved. This is handled in 'Apps' and 'Actions>Google Play>Approve/unapprove apps ...'.



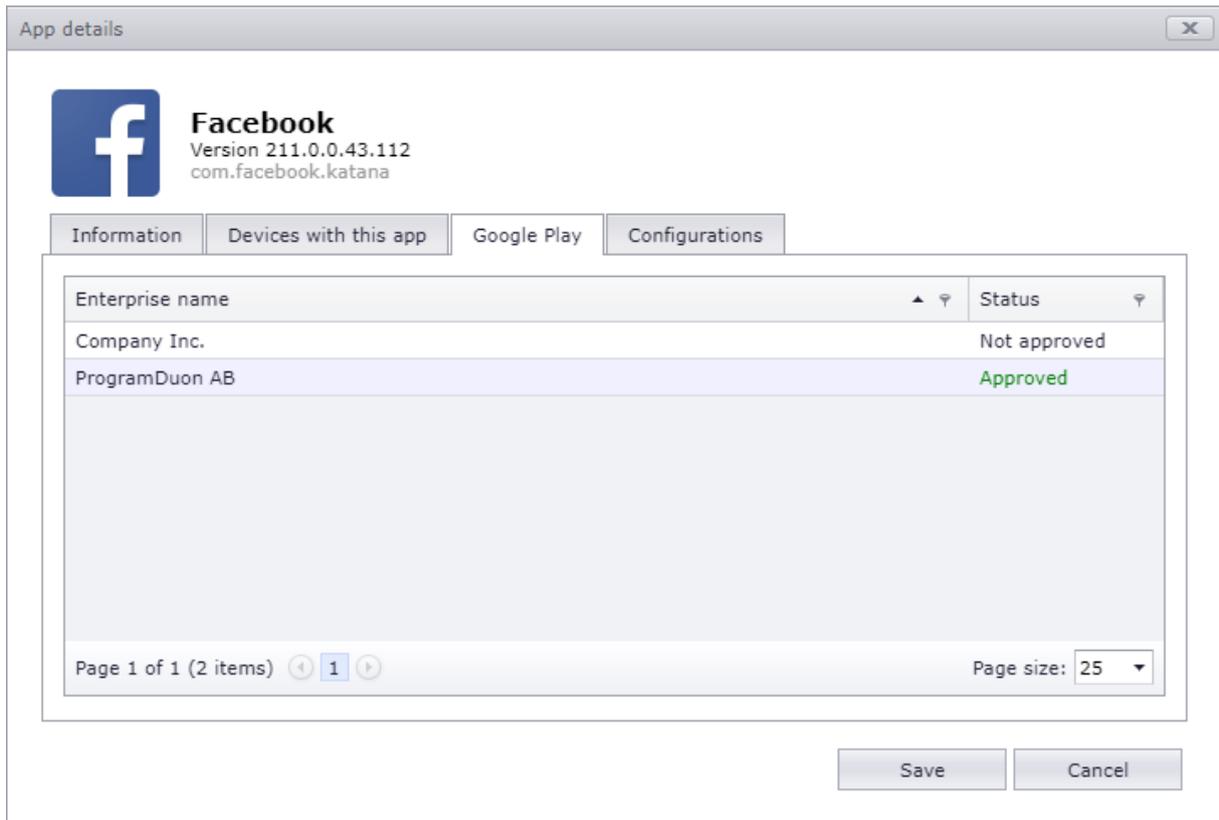
The screenshot shows a window titled "Approve/unapprove apps in Google Play" with a dropdown menu for "Select enterprise" set to "ProgramDuon AB". Below is a table of installed applications with columns for "Im...", "Name", "Version", and "Status".

Im...	Name	Version	Status
	FIFA - Tournaments, Soccer News & Live Scores	4.3.1	Not approved
	Firefox Browser fast & private	66.0.2	Approved
	FortiClient	6.0.1.0183	Not approved
	GdM	2.0	Not approved
	Gmail	2019.03.03.2...	Approved
	Google Apps Device Policy	11.32.01	Not approved
	Google Chrome: Fast & Secure	73.0.3683.90	Approved
	Google Drive	2.18.432.04.86	Not approved
	Google Find My Device	2.3.008	Approved
	Google Home	2.9.65.15	Needs approval

Page 2 of 6 (57 items) 1 2 3 4 5 6

Approve selected app ... Unapprove selected app ... Close

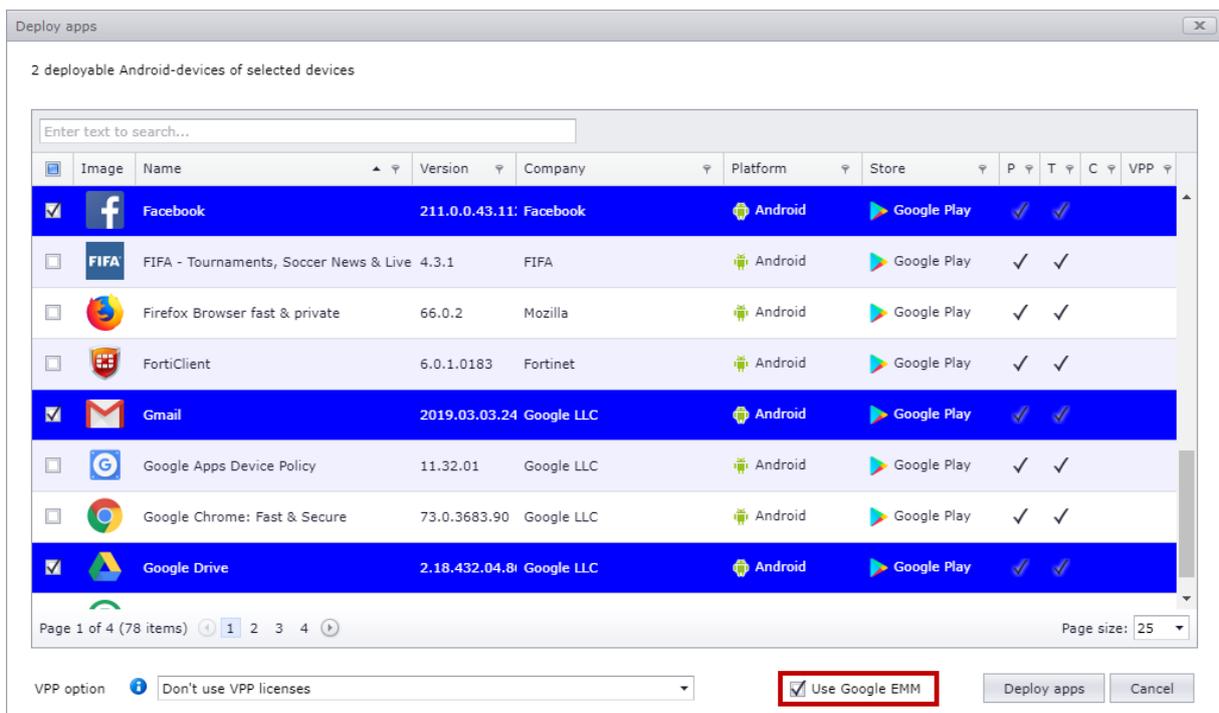
It's also possible to handle in 'Apps' by using 'Action>App details ...', click on the tab 'Google Play':



Double-click on the enterprise that should be approved/unapproved.

Deploy apps

As always, it's possible to deploy apps in 'Devices' by using 'Actions>Deploy apps ...'. To use MGP you have to check 'Use Google EMM'. Otherwise the app will be deployed as before (requiring the user to have configured a Play-account on the device).



Setup a 'App installation-configuration to use MGP

A new checkbox is added to instruct MDM to use MGP when deploying the app.

App installation

App installation
Install an app on your devices.

Filter

Click or type to add tags and/or tag groups

App name
Outlook

iOS Android

Select app
Microsoft Outlook (3.0.40)

Use Managed Google Play

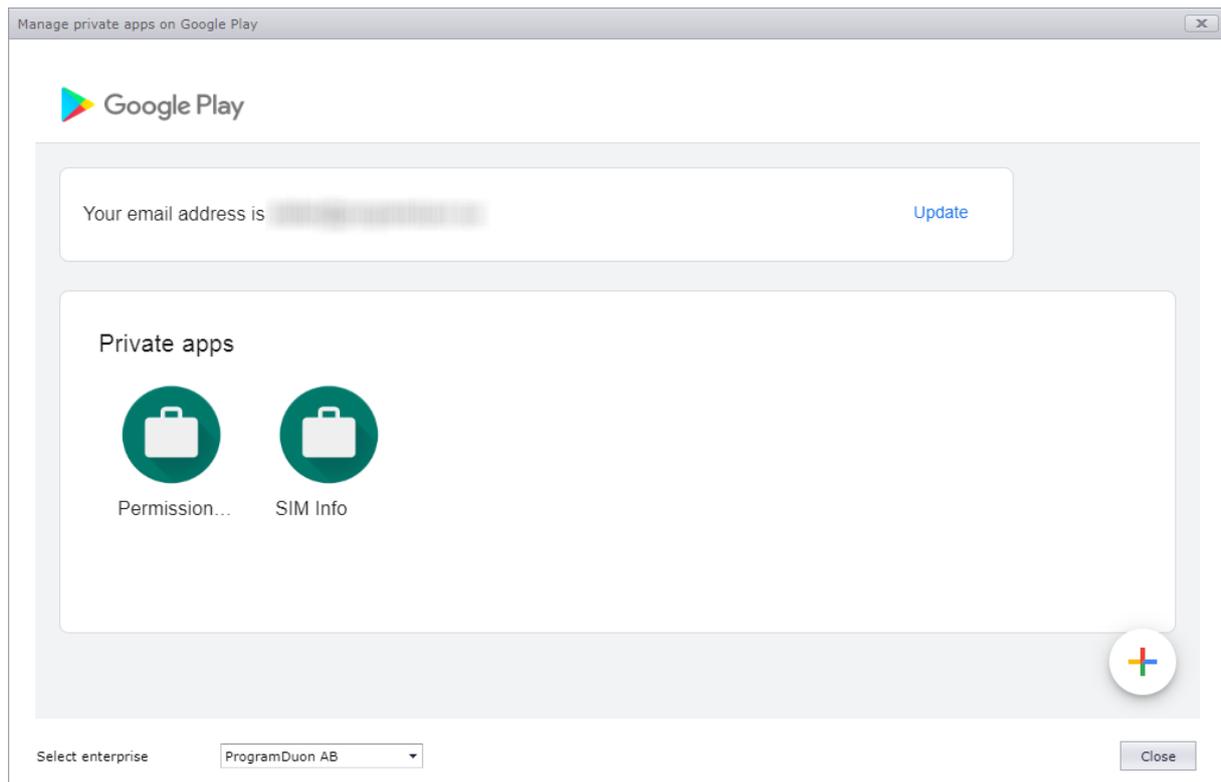
Save Cancel

If the device is not prepared to use MGP, no app will be deployed.

Deploy private apps using MGP

It's possible to deploy private apps by using MGP. That is apps that are not published on Google Play. So this is really an alternative technique to deploy in-house apps.

First you have to publish the private apps in 'Apps' and use 'Actions>Google Play>Manage private apps ...'. Select enterprise and follow the on-screen instructions:

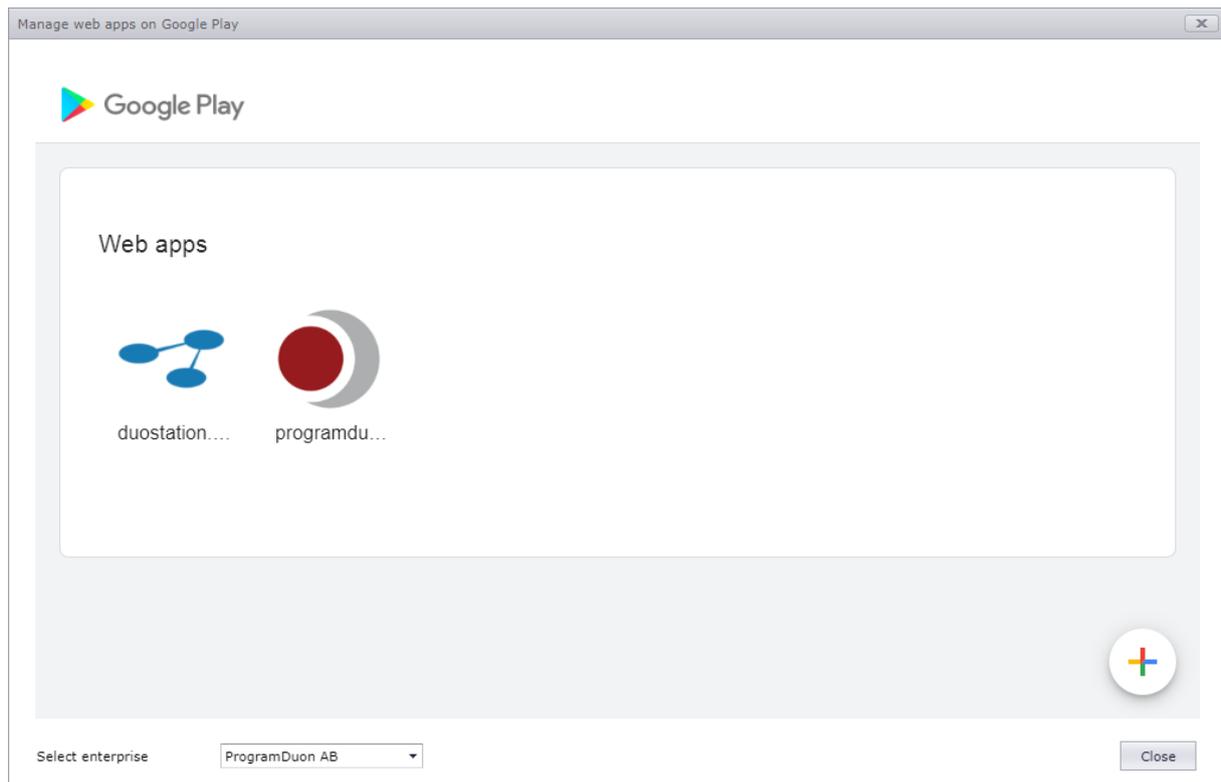


When you're done, use 'Actions>Google Play>Import/update app information' and the private apps will be listed in 'Apps' and can be deployed as an app published in Google Play.

Deploy web apps (shortcuts) using MGP

It's possible to deploy web apps by using MGP. The existing feature to deploy shortcuts was partly ruined when Android 8 was released. This section describes how this can be handled by MGP instead.

First you have to publish the shortcuts as web apps in 'Apps' by using 'Actions>Google Play>Manage web apps ...'. Select enterprise and follow the on-screen instructions:



When you're done, use 'Actions>Google Play>Import/update app information' and the web apps (shortcuts) will be listed in 'Apps' and can be deployed as an app published in Google Play.

Deploy settings to apps

Before we integrated MDM with MGP it was possible to deploy app settings, but the configuration had to be manually entered as XML-data. When MDM is integrated with MGP, it's possible for MDM to query MGP of what settings are available for MDM to use for each app in Play. This makes it possible for us to show a form for these settings and makes it easier to enter the settings.

For Gmail and Outlook we have also added some default-values as %-variables to make it even easier to configure the settings for these apps.

App settings are handled in 'Configurations' by using 'Actions>Add configuration>App settings ...':

App settings
X

App settings

Setup configurations for apps on your devices.

Filter

Click or type to add tags and/or tag groups

Settings description

Outlook

iOS

Android

Select app

Microsoft Outlook (3.0.40)

Settings

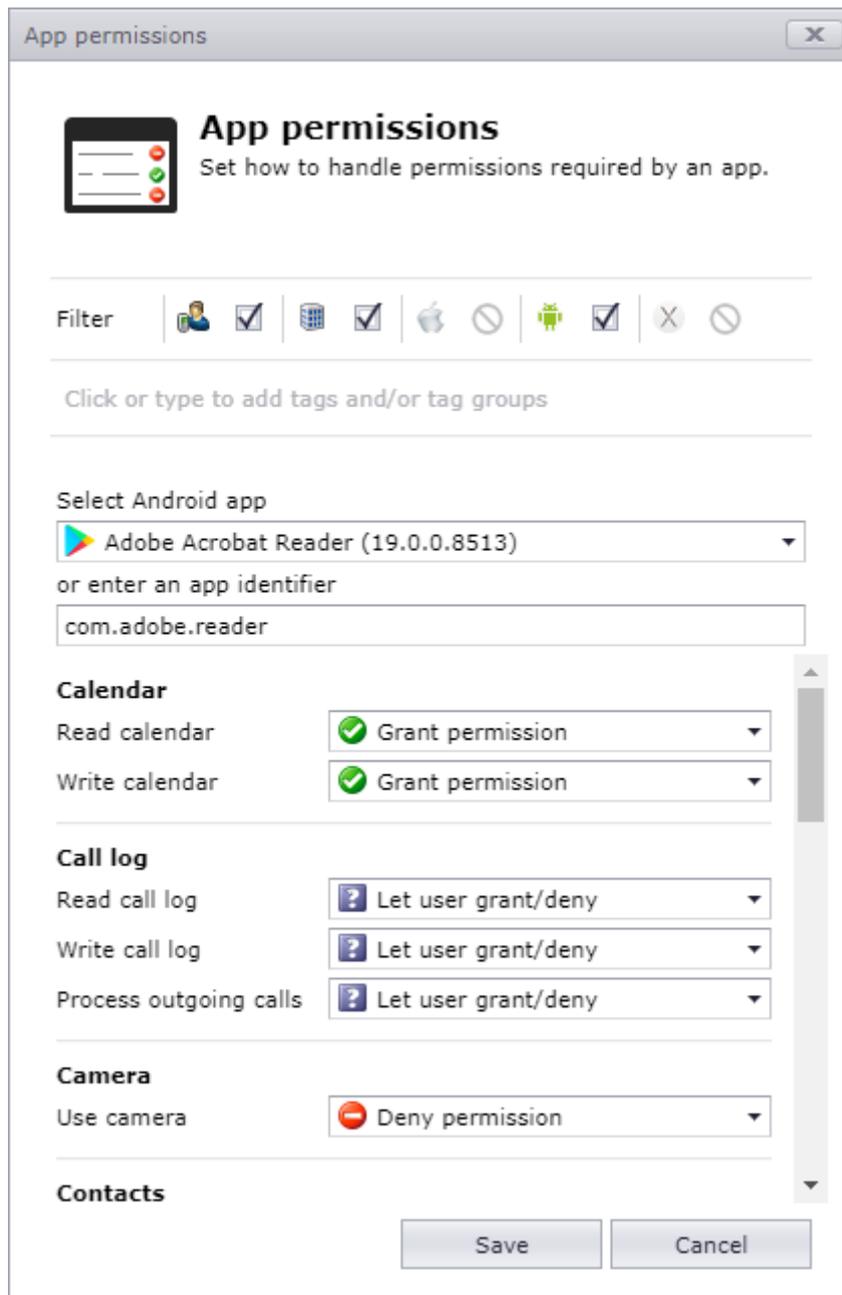
email address	<input type="text" value="%USER_EMAIL%"/>
description for account	<input type="text" value="%USER_EMAIL%"/>
exchange server url	<input type="text" value="https://outlook.officeappsurl.com/owa/"/>
domain of user account	<input type="text" value="%USER_ACCOUNT_GROUP%"/>
username	<input type="text" value="%USER_ACCOUNT_NAME%"/>
server authentication method	<input type="text" value="Username and Password"/>
Allowed Accounts	<input type="text"/>
account type	<input type="text" value="BasicAuth"/>

Save

Cancel

Grant/deny permissions

MGP makes it possible to control which permissions apps will have to sensitive data/features such as camera, location, SMS, phone-log etc. These permissions can be controlled in 'Configurations' by using 'Actions>Add configuration>App permissions ...':



[Select available apps in Google Play](#)

It's possible to control which apps should be available on each device. There are 3 different modes:

Show all apps

All apps are available on in Play to install for the user.

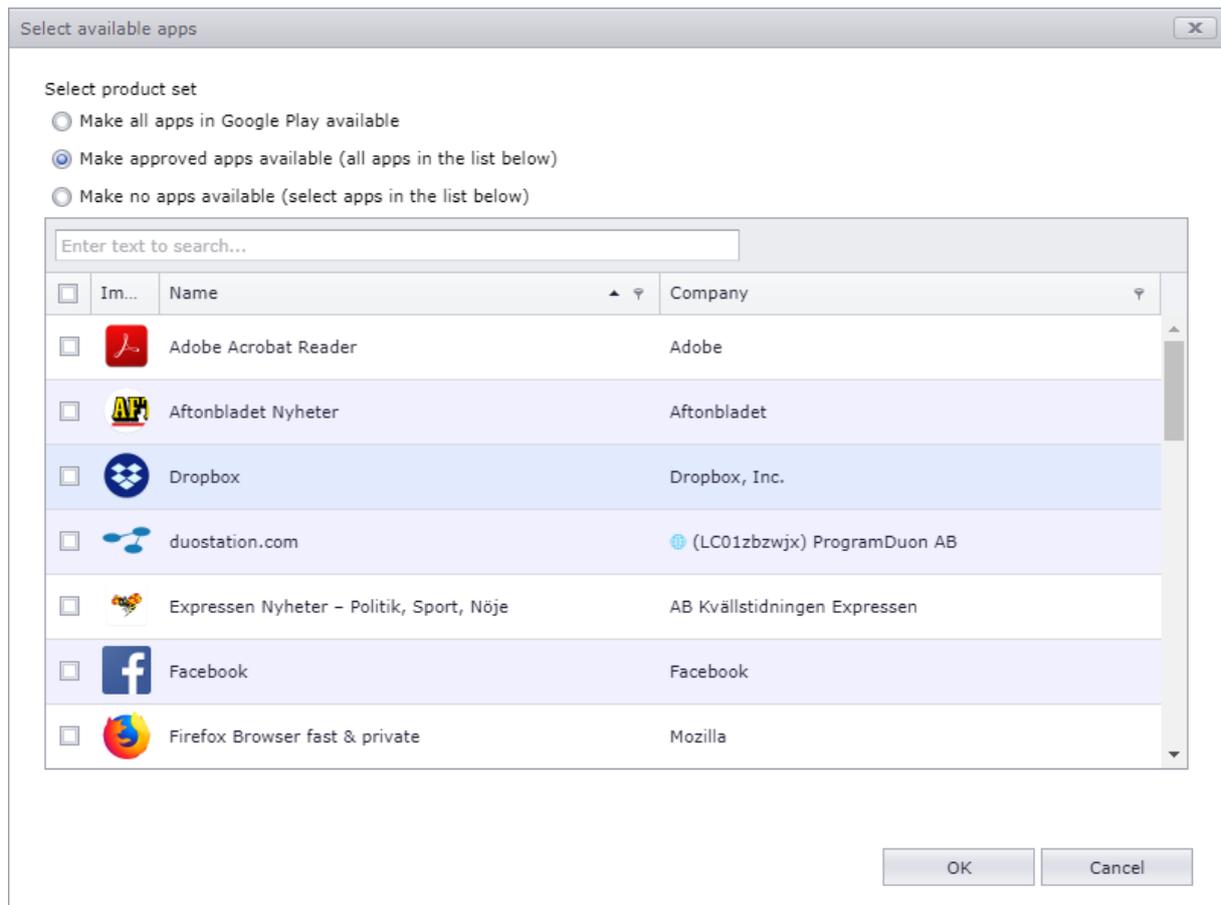
Show only approved apps

Only approved apps are available on in Play to install for the user.

Show selected apps

Only selected apps are available on in Play to install for the user.

Control this for a specific device by selecting the device in 'Devices' and use 'Actions>Google Play>Select available apps for selected device ...':



It's also possible to control which apps should be available as default when the device enrolls. This is done in 'Settings' using 'Google EMM integration>(select enterprise)>Edit enterprise ...':

Google enterprise details

Enterprise information

Enterprise name ProgramDuon AB

Display name

Enterprise id

Enterprise type EMM integrated

Primary domain -

Settings

Allow using apps for this enterprise in this group (and subgroups):

All / Demo

- All
 - Google Product Review -
 - new devices -
 - ▶ Demo
 - Education
 - ▶ Family

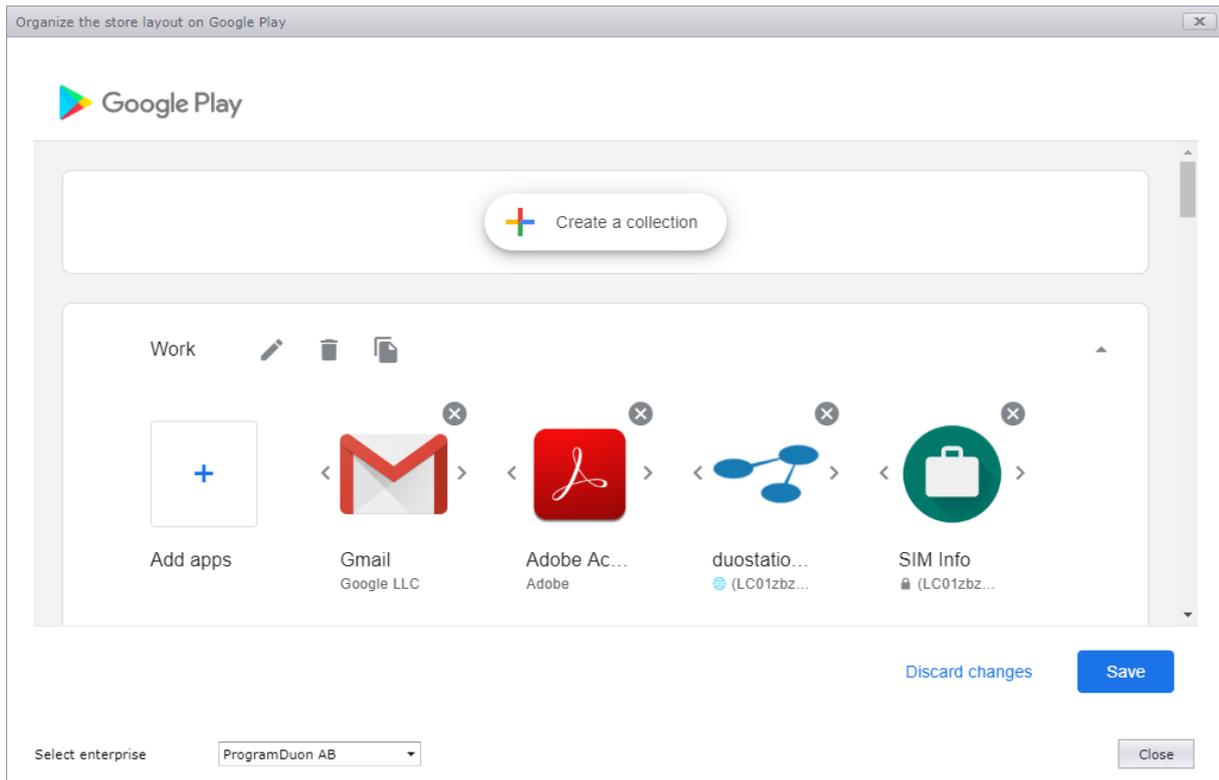
Default product set Select store layout page

Use as default enterprise

Save Cancel

Organize Play store layout

It's possible to control how approved apps should be displayed in Play on the devices. This is handled in 'Apps' by using 'Actions>Google play>Organize store layout ...':



The Play app must be restarted on the device to see changes made.

[Unenroll enterprise from MDM](#)

If there is a need to delete the integration between MDM and MGP, this is done in 'Settings' by using 'Google EMM integration>(select enterprise)>Unenroll enterprise ...'.