



IGEL App Creator



- [IGEL App Creator Portal](#) (see page 3)

## IGEL App Creator Portal

With the IGEL App Creator Portal, you can create apps for IGEL OS 12 by using a recipe and, as needed, additional binaries or other files.

The recipe contains the scripts and metadata files necessary to build an app that can be installed and run on the IGEL OS Base System. While some recipes are available directly on the IGEL Creator Portal, you can obtain further recipes from the IGEL community.



### Legal Note

IGEL is not responsible for, nor grants a license to, the applications created via the App Creator Portal. IT IS YOUR SOLE RESPONSIBILITY TO OBTAIN ALL NECESSARY RIGHTS TO THE COMPONENTS PRIOR TO CREATING AN APPLICATION.

For more information, see our Terms and Conditions:

<https://www.igel.com/terms-conditions/>

In addition, the App Creator Portal will sign your app and provide the corresponding certificate. When you deploy this certificate to the device, the IGEL OS Base System will allow the app to be installed. Please note that there are two types of certificates:

- If your company has IGEL Enterprise Edition licenses, you receive a certificate exclusively for your company. This includes a private key. With a company certificate, the apps you have created can only be installed on your company's devices.
- If your company has one of the other licenses, you receive a Community certificate. With a Community certificate, your created apps can be installed on any device.

As an alternative to using the App Creator Portal, you can create an app for IGEL OS in your local environment. You can download the IGEL OS App SDK required for this from the App Creator Portal. The IGEL OS App SDK is available as a Docker image.

## Access to the IGEL App Creator Portal

To log in to the IGEL App Creator Portal, you need an account and have the **App Creator** role or the **Super Admin** role assigned. This is done in the [IGEL Customer Portal](#)<sup>1</sup>. For details, see [Managing Users and Roles in the IGEL Customer Portal](#)<sup>2</sup>.

## Requirements

- UMS 12.04 or higher
- IGEL OS 12.5 or higher
- If you want to create your app with the IGEL App Creator Portal:
  - The recipe for your app, if not already available in the App Creator Portal
  - Additional files, e.g., binaries, if required by your app
- If you want to create your app with the IGEL OS App SDK:
  - A machine with Ubuntu Linux 18.04 or higher, or another Debian-based Linux distribution

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1. <https://support.igel.com/csm>

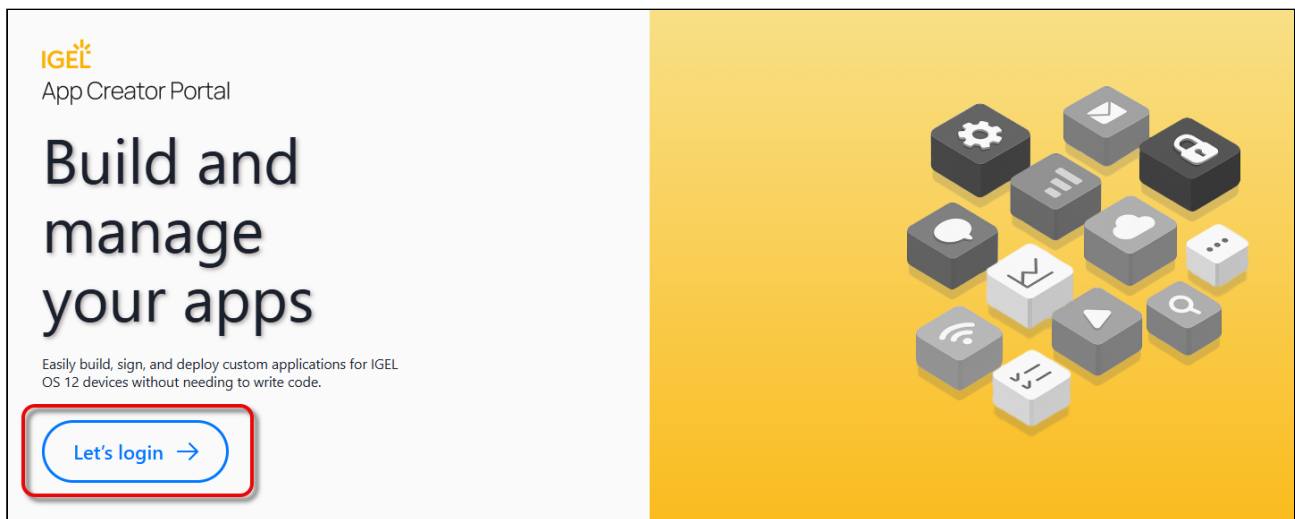
2. <https://kb.igel.com/en/how-to-start-with-igel/current/managing-users-and-roles-in-the-igel-customer-port>

- Docker is installed on the machine

## Login to the IGEL App Creator Portal

1. Go to <https://appcreator.igel.com>

2. Click **Let's Login**.



3. Enter your IGEL credentials.



The image shows a sign-in form for the IGEL App Creator Portal. It features a yellow header with the IGEL logo. Below the header, the text "Sign in with your email and password" is displayed. There are two input fields: "Email" and "Password". The email field contains the text "@.onmicrosoft.com". The password field is filled with dots. Below the password field is a link that says "Forgot your password?". At the bottom of the form is a yellow "Sign in" button, which is highlighted with a red border.

4. If you are asked for a code, check your email and enter the code that has been sent to you.




The image shows a login screen for the IGEL App Creator Portal. It features a yellow header with the IGEL logo. Below the header, there is a text prompt: "Enter the code that was sent by email to s\*\*\*@i\*\*\*." followed by a text input field. At the bottom, there is a yellow "Sign in" button, which is highlighted with a red rectangular border.

## Creating Your App with the IGEL OS App SDK

To create your app with the IGEL OS App SDK:

1. Under **IGEL OS App SDK**, click **Download**.

  
App Creator Portal

## Welcome Harald.

Company  
**QAS Test Company**

License  
**Enterprise**

Account ID  
**333991**

App Signing Certificate (Public)  
[Download](#)

App Signing Key (Private)  
[Download](#)

**IGEL OS App SDK**  
[Download](#)

Build version  
**12.8.5**

[< My Archive](#)


### Create my application

STEP 1  
Provide a recipe  
[Provide recipe](#)

STEP 2  
Provide binaries  
No binaries provided

#### Provide your own recipe

Recipes must be uploaded as a ZIP file or cloned from a Git repository.




#### Upload a recipe as a ZIP file


The ZIP must include valid metadata files


[Browse File](#)


#### Select recipe from the IGEL Marketplace

Recipes must be uploaded as a ZIP file or cloned from a Git repository.

**keepassxc**  
2.7.4  
Cross Platform Password Manager

**vlc**  
3.0.21  
multimedia player and str

**supertuxkart**  
1.4.0  
3D arcade racer with a variety of characters, tracks


**putty**  
0.83.0  
PuTTY


2. Download and read the legal terms document.

IGEL App Creator

7 / 26


**Download IGEL SDK**

 **Please read the legal terms**

  
IGEL - Software Development Kit Terms of Use Global

[Download PDF](#)

☐ I have READ and ACCEPT the IGEL Software Development Kit Terms of Use Global.


 Download Manual


[Cancel](#) [Download](#)

3. Confirm that you have read and accepted the legal terms, and download the manual and the software of the IGEL OS SDK.




**Download IGEL SDK**

 **Please read the legal terms**

 IGEL - Software Development Kit Terms of Use Global

[Download PDF](#)

☒ I have READ and ACCEPT the IGEL Software Development Kit Terms of Use Global.

 [Download Manual](#)

[Cancel](#) [Download](#)

- Copy the downloaded Docker image file ( `igelpkg.tar` ) to your Linux machine and load the image into Docker:

```
sudo docker load < igelpkg.tar
```

- Check if the image has been loaded correctly:

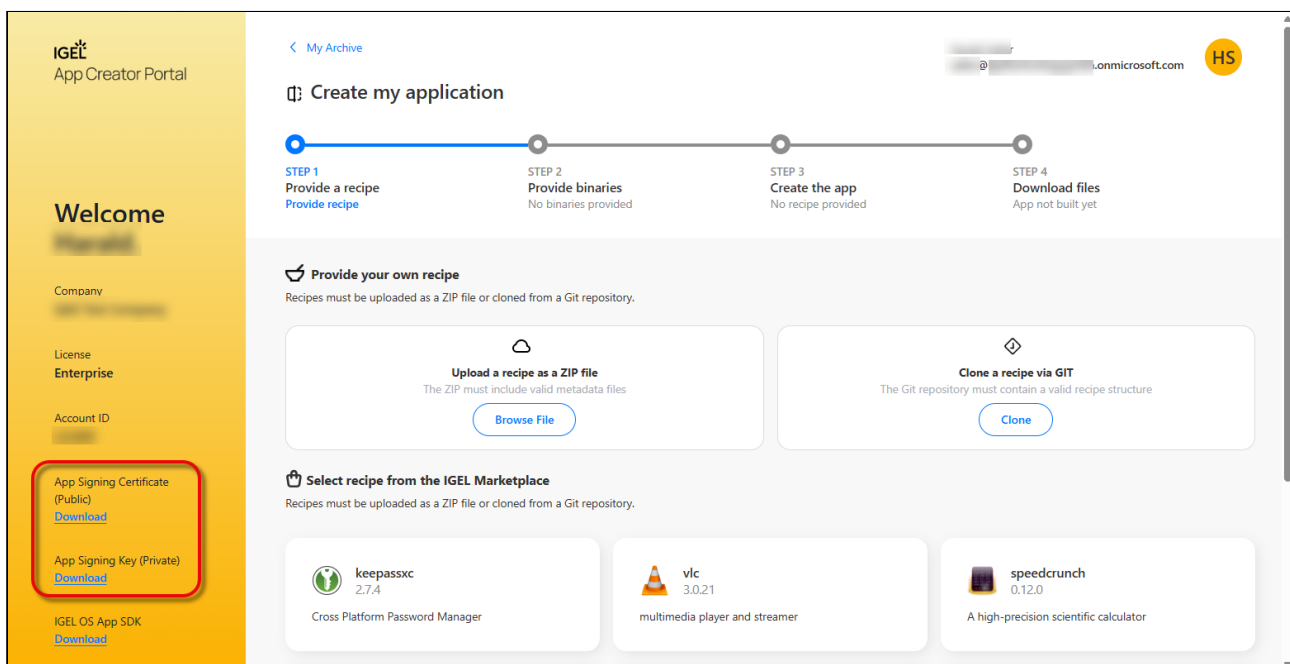
```
sudo docker images
```

```
ike@td-ums12-hs:~/Downloads$ sudo docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
igelpkg       latest   f4432871b537   24 hours ago   272MB
```

**i** For details on how to use `igelpkg`, see the manual you have downloaded (“Getting Started With the IGEL OS App SDK”).  
Please note that the manual is currently being revised to include the latest SDK updates. The new version is expected in November 2025.

To get the certificates for signing the app you have created with IGEL OS SDK:

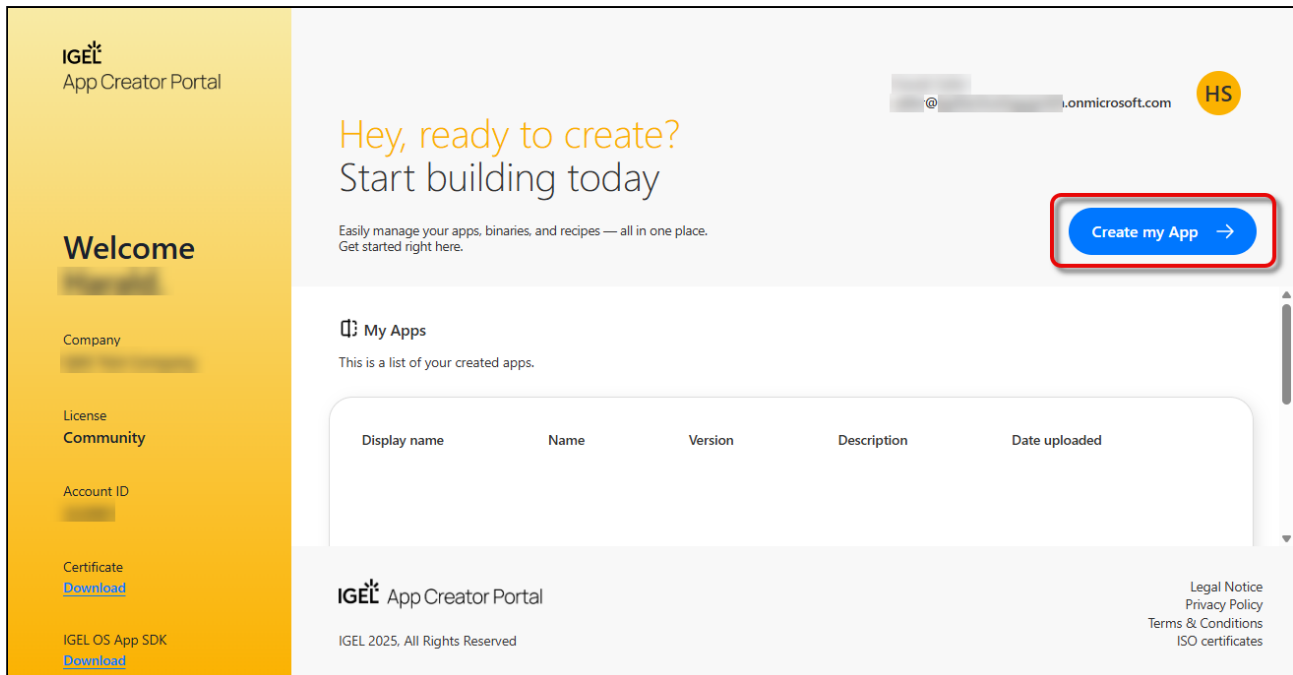
→ Download the **App Signing Certificate (Public)** and the **App Signing Key (Private)**.



The screenshot shows the IGEL App Creator Portal interface. On the left is a yellow sidebar with the IGEL logo, 'App Creator Portal', and a 'Welcome' message. Below the welcome message are fields for 'Company', 'License' (set to 'Enterprise'), and 'Account ID'. At the bottom of the sidebar, there are two download links: 'App Signing Certificate (Public)' and 'App Signing Key (Private)', both with 'Download' buttons. The main content area is titled 'Create my application' and features a progress bar with four steps: 'STEP 1 Provide a recipe', 'STEP 2 Provide binaries', 'STEP 3 Create the app', and 'STEP 4 Download files'. Below the progress bar, there are two main sections: 'Provide your own recipe' and 'Select recipe from the IGEL Marketplace'. The 'Provide your own recipe' section has two options: 'Upload a recipe as a ZIP file' with a 'Browse File' button, and 'Clone a recipe via GIT' with a 'Clone' button. The 'Select recipe from the IGEL Marketplace' section displays three recipe cards: 'keepassxc 2.7.4' (Cross Platform Password Manager), 'vlc 3.0.21' (multimedia player and streamer), and 'speedcrunch 0.12.0' (A high-precision scientific calculator).

## Creating Your App in the IGEL App Creator Portal

→ To start the creation process, click **Create my App**.



The screenshot shows the IGEL App Creator Portal dashboard. On the left is a yellow sidebar with the IGEL logo and 'App Creator Portal' text. Below this is a 'Welcome' section with a blurred name, followed by links for 'Company', 'License', 'Community', 'Account ID', 'Certificate', and 'IGEL OS App SDK'. The main content area has a header with the IGEL logo and 'App Creator Portal'. Below the header is a large orange and white section with the text 'Hey, ready to create? Start building today' and a blue button labeled 'Create my App' with a right arrow. Below this is a 'My Apps' section with the text 'This is a list of your created apps.' and a table with columns: 'Display name', 'Name', 'Version', 'Description', and 'Date uploaded'. The table is currently empty. At the bottom of the main content area is the IGEL logo and 'App Creator Portal' text, followed by 'IGEL 2025, All Rights Reserved'. On the far right of the bottom section are links for 'Legal Notice', 'Privacy Policy', 'Terms & Conditions', and 'ISO certificates'.

IGEL App Creator Portal

Hey, ready to create?  
Start building today

Easily manage your apps, binaries, and recipes — all in one place.  
Get started right here.

Create my App →

My Apps

This is a list of your created apps.

Display name	Name	Version	Description	Date uploaded
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IGEL App Creator Portal

IGEL 2025, All Rights Reserved

Legal Notice  
Privacy Policy  
Terms & Conditions  
ISO certificates




If you got stuck in the process and want to start from the beginning, click **Restart**.



**Clone a recipe via GIT**  
Repository must contain a valid recipe structure

Clone



**supertuxkart**  
1.4.0

3D arcade racer with a variety of characters, tracks, and modes to play

Restart ↶

Next - Provide binaries →

## STEP 1 Provide a recipe



Using variable templates in `app.json` or `thirdparty.json` is currently not supported.

Please resolve variable names manually in the recipe before uploading to the IGEL App Creator Portal.

You have the following options to provide a recipe for building your app:

- Upload a recipe from a local source as a ZIP file; see [Upload a Recipe as a ZIP File](#) (see page 13)
- Clone a recipe from a GIT repository; see [Cloning a Recipe from a Git Repository](#) (see page 3)
- Use a recipe that is already available on the App Creator Portal; see [1.1 Select Your Recipe](#) (see page 16)

### Provide Your Own Recipe

#### Upload a Recipe as ZIP File



##### Metadata Requirements

Before you upload a package, you may want to check or edit the metadata contained in the following files:

- `app.json` should contain the correct version and name for your app.
- `app.json` must define a valid value for `"version"` while `"public_version"` must be empty or non-existent.
- `app.json` must not contain variables. Example: `"version": "%version%"` is invalid while `"version": "1.0.0"` is valid.
- `igel/thirdparty.json` must contain the names of the binaries used in your app.

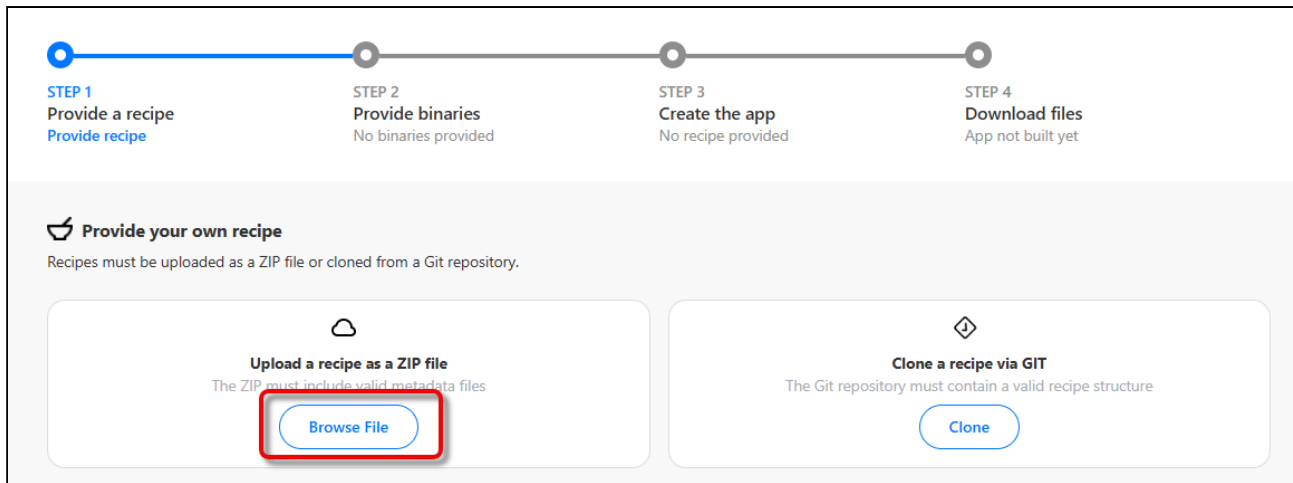
You can find a comprehensive description of the metadata at <https://github.com/IGEL-Community/IGEL-OS-APP-RECIPES/blob/main/utis/IGEL-SDK-Reference-Manual.pdf>.



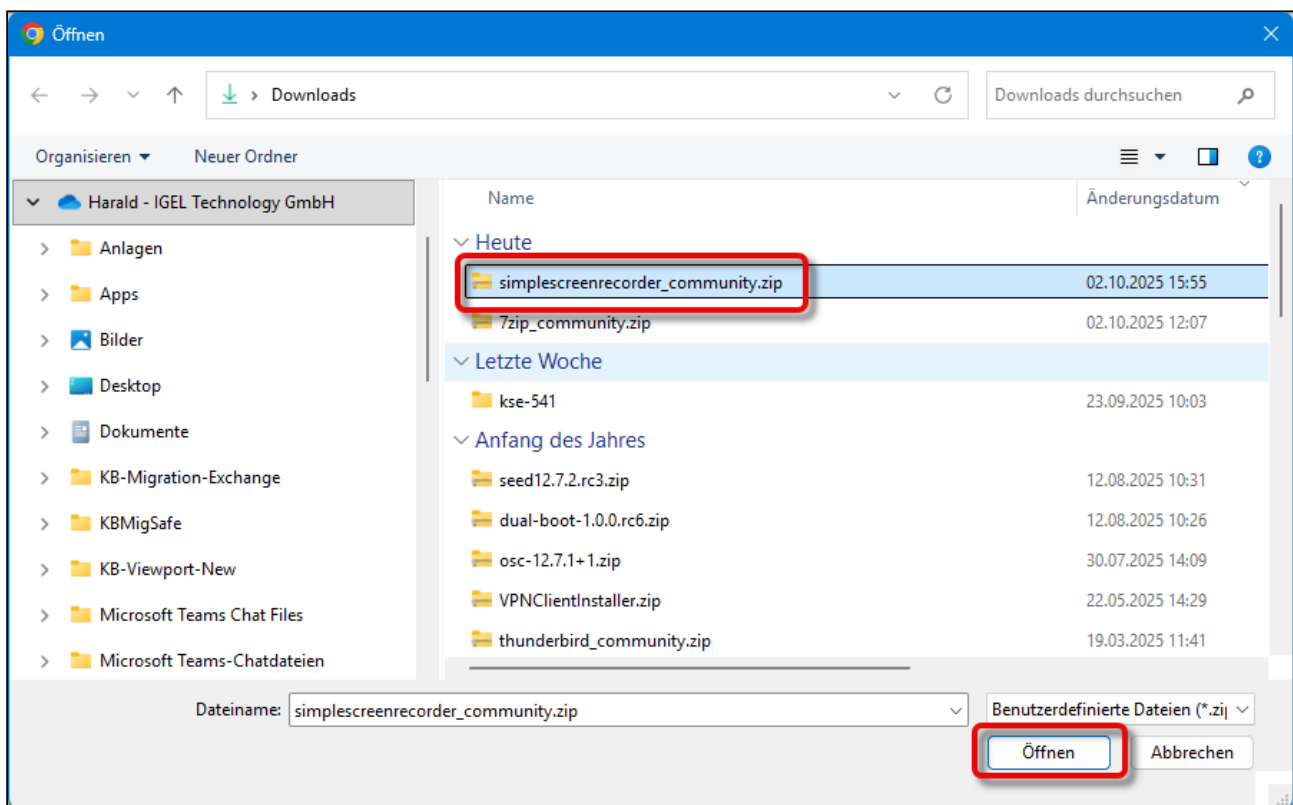
##### ZIP Format

Use a simple ZIP format without zip64 extensions or data descriptors.

1. Click **Upload**.



2. Click **Browse File** and select the recipe file on your system.

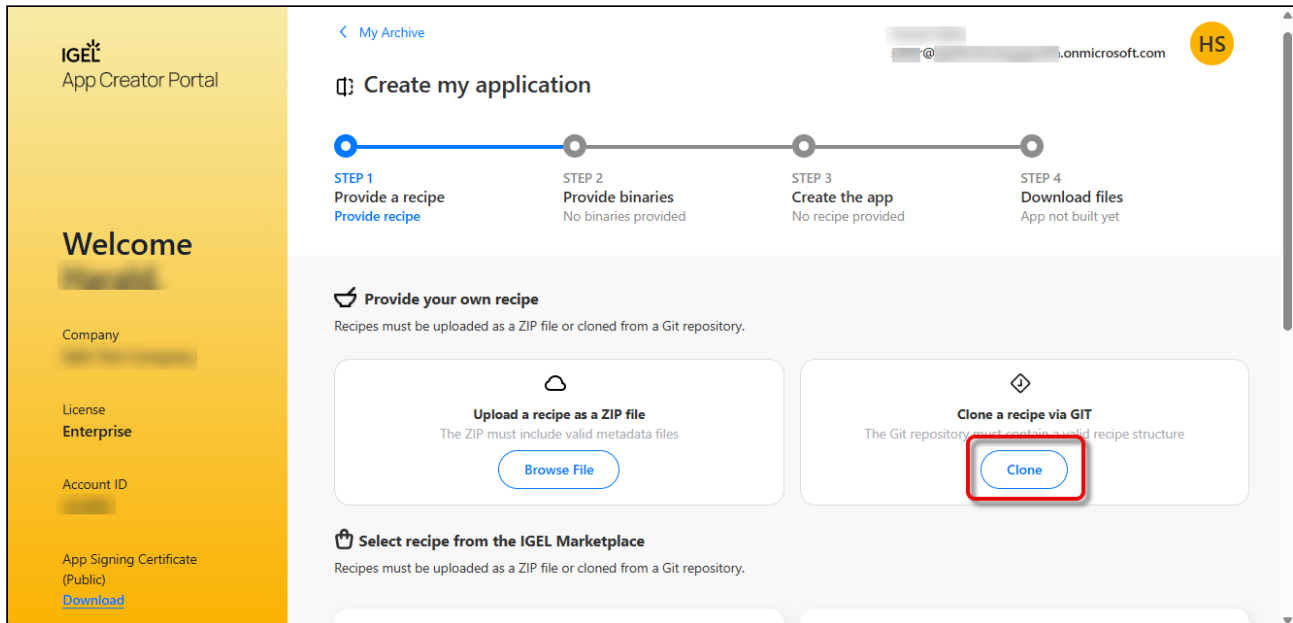


Your package file is unzipped and parsed.

If no additional files are required, you are taken to [Step 3 Create the App](#) (see page 19).

If additional files are required, you are taken to [Step 2 Provide Biles](#) (see page 16).

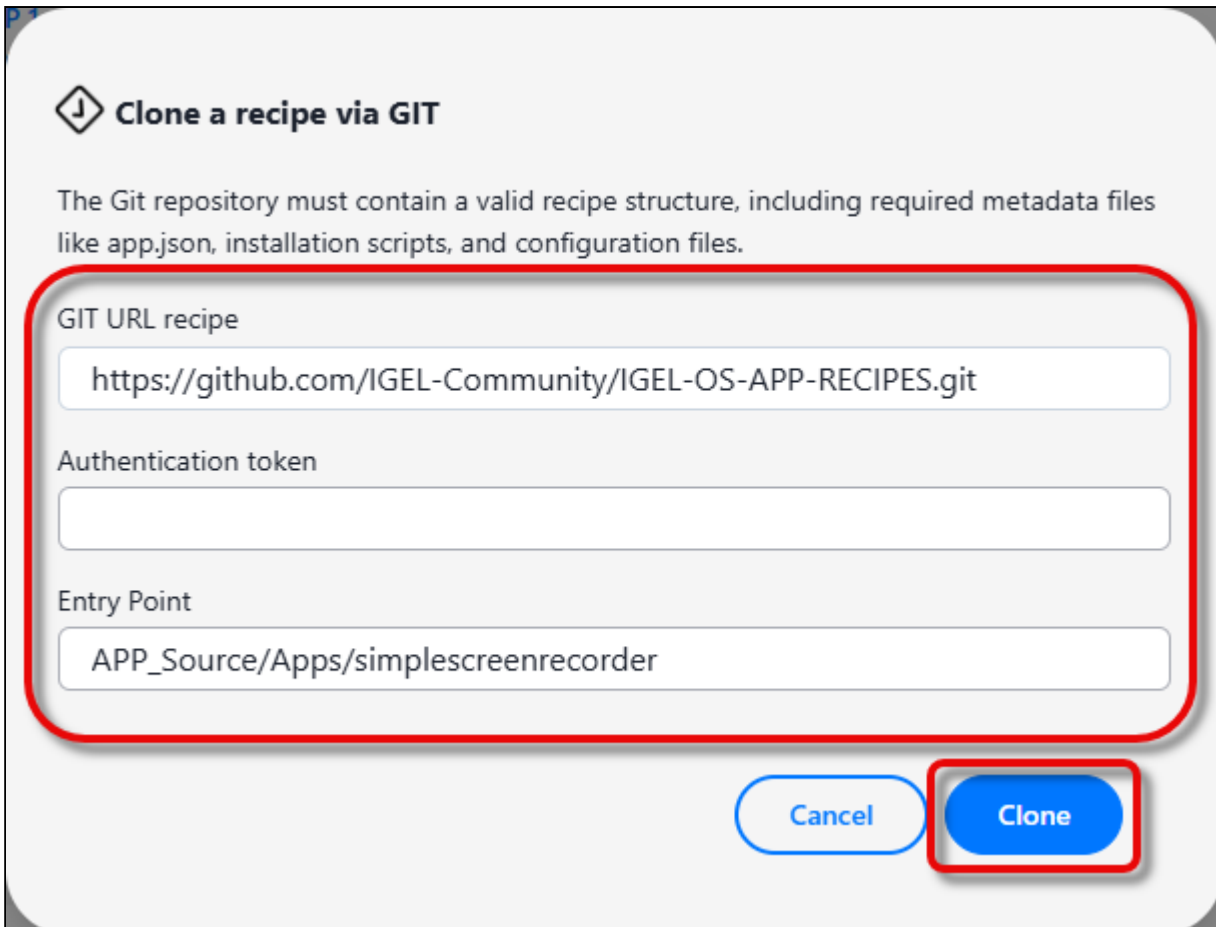
## Clone a Recipe via GIT

1. Click **Clone**.2. Enter the following data and then click **Clone**.

- **Clone Git Repository:** The URL of the Git repository from which you want to fetch your recipe.

Example: `https://github.com/IGEL-Community/IGEL-OS-APP-RECIPES.git`

- **Authentication Token:** If the repository is private, enter the authentication token to access it. If it is public, leave this field empty. If you need to create a token:
  - Open <https://github.com/settings/tokens>.
  - Select **Generate new token**.
  - Select the scopes **repo** and **read:packages**.
- **Entry Point:** Subdirectory containing the sources for your recipe.  
Example: `APP_Source/Apps/simpleScreenrecorder`



**Clone a recipe via GIT**

The Git repository must contain a valid recipe structure, including required metadata files like app.json, installation scripts, and configuration files.

GIT URL recipe

Authentication token

Entry Point

If no additional files are required, you are taken to [Step 3 Create the app](#) (see page 19).

If additional files are required, you are taken to [Step 2 Provide binaries](#) (see page 16).

## Select Recipe from the IGEL Marketplace

1. Select the recipe you want to use.
2. If the app does not require any additional files, proceed with step [Step 3 Create the app](#) (see page 19).  
If additional files are required, continue with [Step 2 Provide Files](#) (see page 16).

## STEP 2 Provide binaries

This step is required if your app needs additional files, like binaries.



**i Source URL for Binaries**

Some of the recipes provided by IGEL require binaries. The download URL is in the corresponding `Readme.md` under [https://github.com/IGEL-Community/IGEL-OS-APP-RECIPES/tree/main/APP\\_Source/Apps](https://github.com/IGEL-Community/IGEL-OS-APP-RECIPES/tree/main/APP_Source/Apps) > [YOUR APP]

Example: For the app Thunderbird, the full path to the `Readme.md` file is [https://github.com/IGEL-Community/IGEL-OS-APP-RECIPES/blob/main/APP\\_Source/Apps/thunderbird/README.md](https://github.com/IGEL-Community/IGEL-OS-APP-RECIPES/blob/main/APP_Source/Apps/thunderbird/README.md).

**i Allowed File Types**

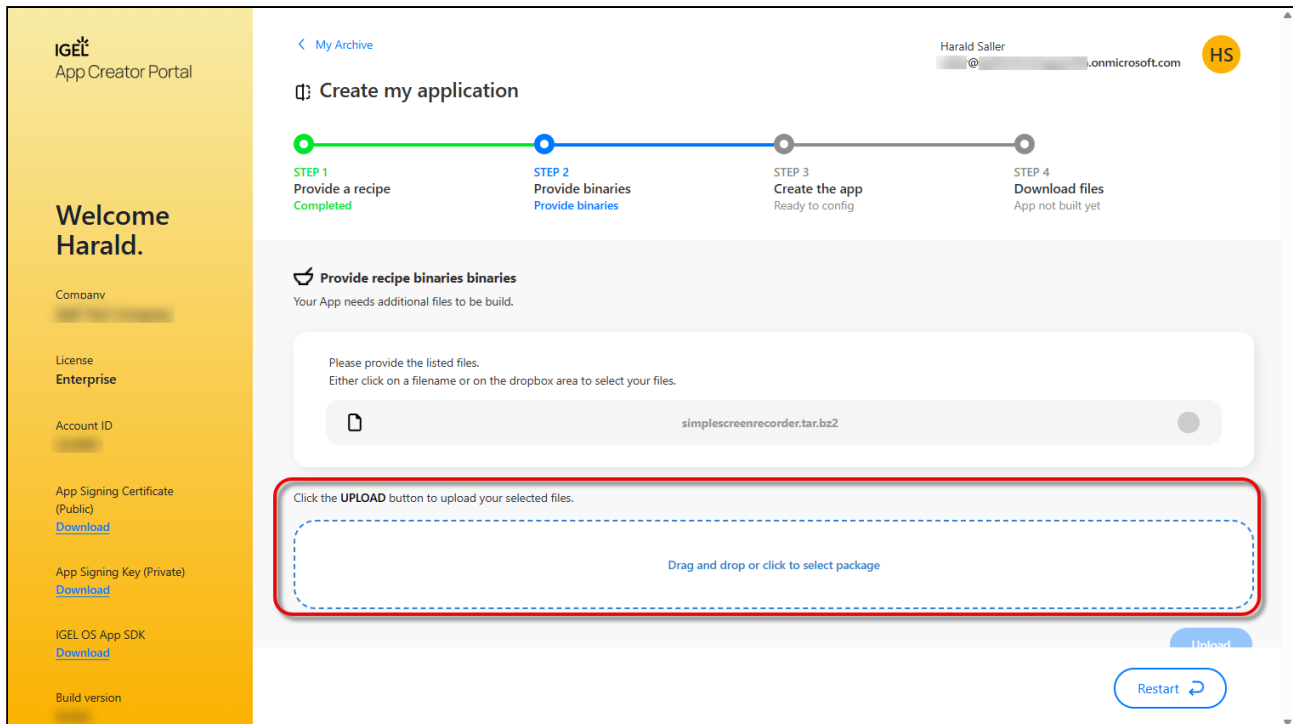
The following file types are accepted:

- `.tar`
- `.tgz`
- `.tar.gz`
- `.tar.xz`
- `.txz`
- `.xz`
- `.txz`
- `.gz`
- `.bz2`
- `.zip`
- `.deb`

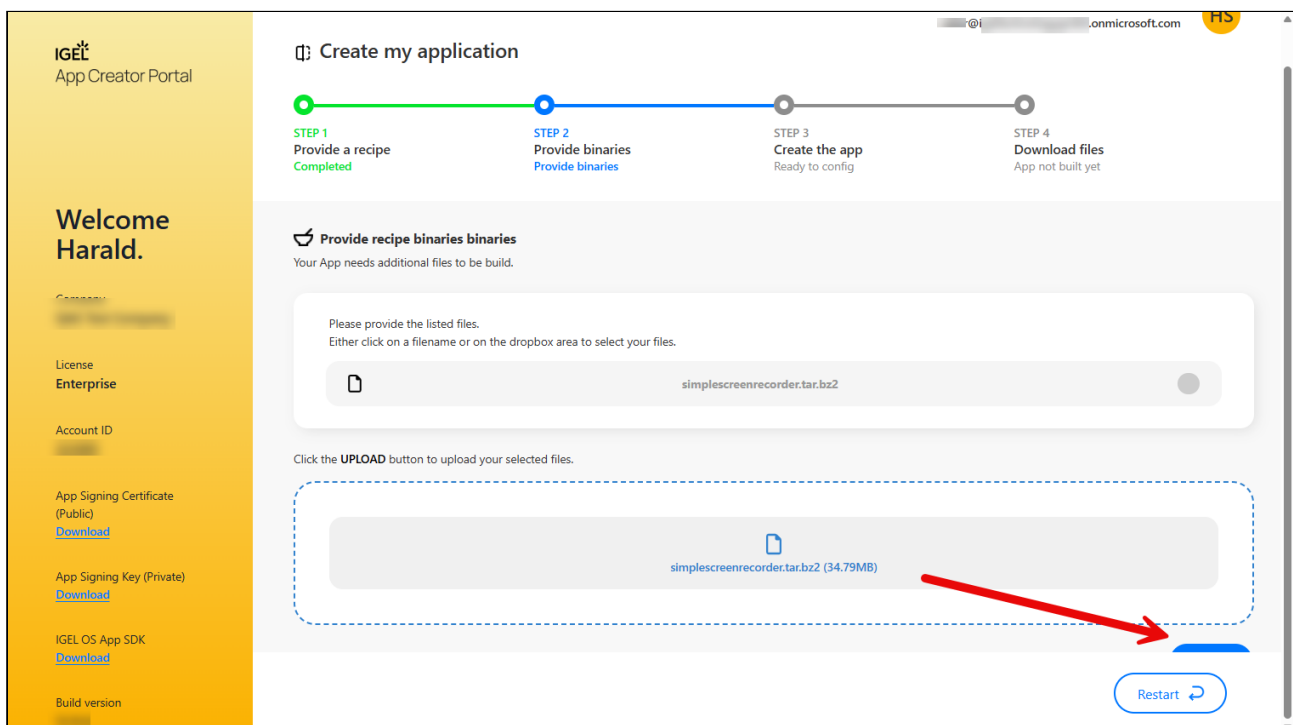
**i File Name Must Be Unique, Upper and Lower Case Letters Not Sufficient**

Files in the same directory must not differ only by case; they must have distinct names. Two files in the same directory that differ only by case will be treated as the same file.

1. Drag and drop the files into the dropbox field, or click on each field with a file name to use a file chooser for each file individually.



2. When the files are displayed, click **Upload**.




You are taken to [STEP 3 Create the app](#) (see page 19).

## STEP 3 Create the app


In this step, you can edit the metadata of your app and finally build the package.

1. If you want to edit the metadata of your app, click **Edit** and update the app's metadata as desired.

- **Displayname:** The name that is shown in the UMS and on the endpoint device
- **Name:** The technical name of the app. It must fulfill the following criteria:
  - Alphanumerical characters in upper or lower case are allowed
  - Underscores are allowed, but not before the first character
  - The name must be between 3 and 42 characters long
- **Displayversion:** The displayed app version
- **Version:** The technical version. It must comply with the Semantic Versioning (SemVer) specifications, see <https://semver.org/>.
- **Author:** The creator of the app package
- **Description:** A short description of your app. Use the Markdown editor to format your text. Maximum length: 10,000 characters
- **Changelog:** It is recommended to add a changelog file to your app package to inform your users about the changes between subsequent versions (release notes). Use the Markdown editor to format your text. Maximum length: 10,000 characters

 **Your application is ready to build**

You can change the app properties if required before you create it.



SimpleScreenRecorder (Community)

The IGEL community

simplescreenrecorder


**Description**

simplescreenrecorder

simplescreenrecorder

0.4.4+1.1.4

**Edit**



SimpleScreenRecorder (Community)

0.4.4

The IGEL community

simplescreenrecorder

**Description**

A simple screen recorder for IGEL OS.

simplescreenrecorder

0.4.4+1.1.4

**Displayname**

SimpleScreenRecorder (Communi

**Displayversion**

0.4.4

**Description Short**

simplescreenrecorder

**Name**

simplescreenrecorder

**Version**

0.4.4+1.1.4

**Author**

The IGEL community

**Description**

A simple screen recorder for IGEL OS.

**Changelog**

Cancel

Save

2. Download and read the legal terms and confirm that you agree to the Terms of Use.

Changelog

B I H L < > A B C D E F G

Cancel

Save

Please read the legal terms

IGEL is not responsible for, nor does it grant a license to the applications created via the App Creator Portal.

It is your sole responsibility to obtain all necessary rights to the components prior to creating an application.

☐ I confirm that I have read, understood and agree to the Terms of Use.

IGEL App Creator Portal - Terms of Use



Download PDF

Restart ↺

Build


Changelog

B I H1 H2 H3 </> Table List List Item

Cancel


Save

 **Please read the legal terms**


IGEL is not responsible for, nor does it grant a license to the applications created via the App Creator Portal.

It is your sole responsibility to obtain all necessary rights to the components prior to creating an application.

☒ I confirm that I have read, understood and agree to the Terms of Use.

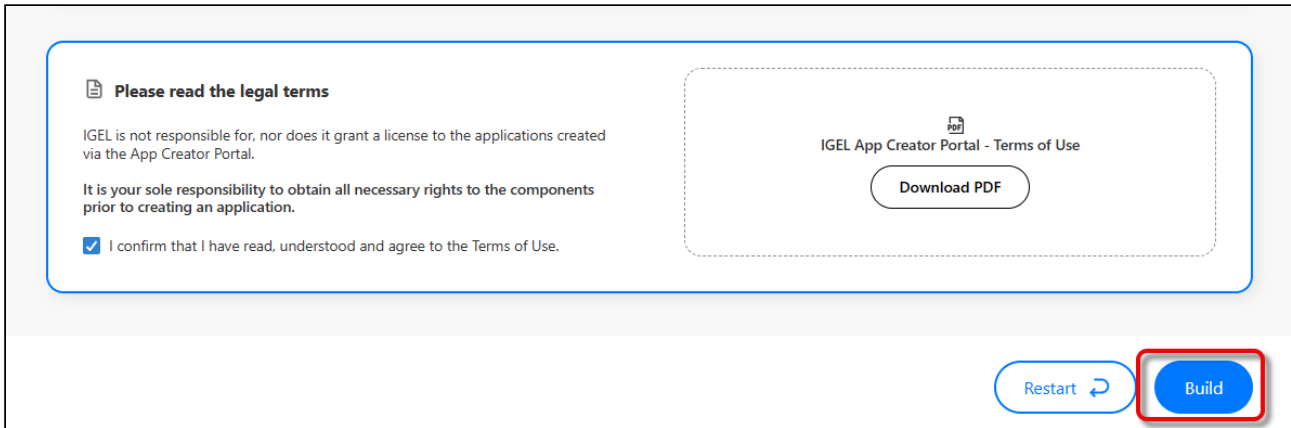
  
IGEL App Creator Portal - Terms of Use

Download PDF

Restart 

Build

3. Click **Build** to build your app from the recipe.



The screenshot shows the IGEL App Creator Portal interface. On the left, there is a section titled "Please read the legal terms" with a document icon. Below the title, it states: "IGEL is not responsible for, nor does it grant a license to the applications created via the App Creator Portal. It is your sole responsibility to obtain all necessary rights to the components prior to creating an application." Below this text is a checkbox with a checkmark and the text "I confirm that I have read, understood and agree to the Terms of Use." On the right, there is a dashed box containing a document icon, the text "IGEL App Creator Portal - Terms of Use", and a "Download PDF" button. At the bottom right of the interface, there are two buttons: "Restart" with a circular arrow icon and "Build" with a right-pointing arrow icon. The "Build" button is highlighted with a red rectangular border.

Your app is built.

You are taken to [Step 4 Download Files](#).

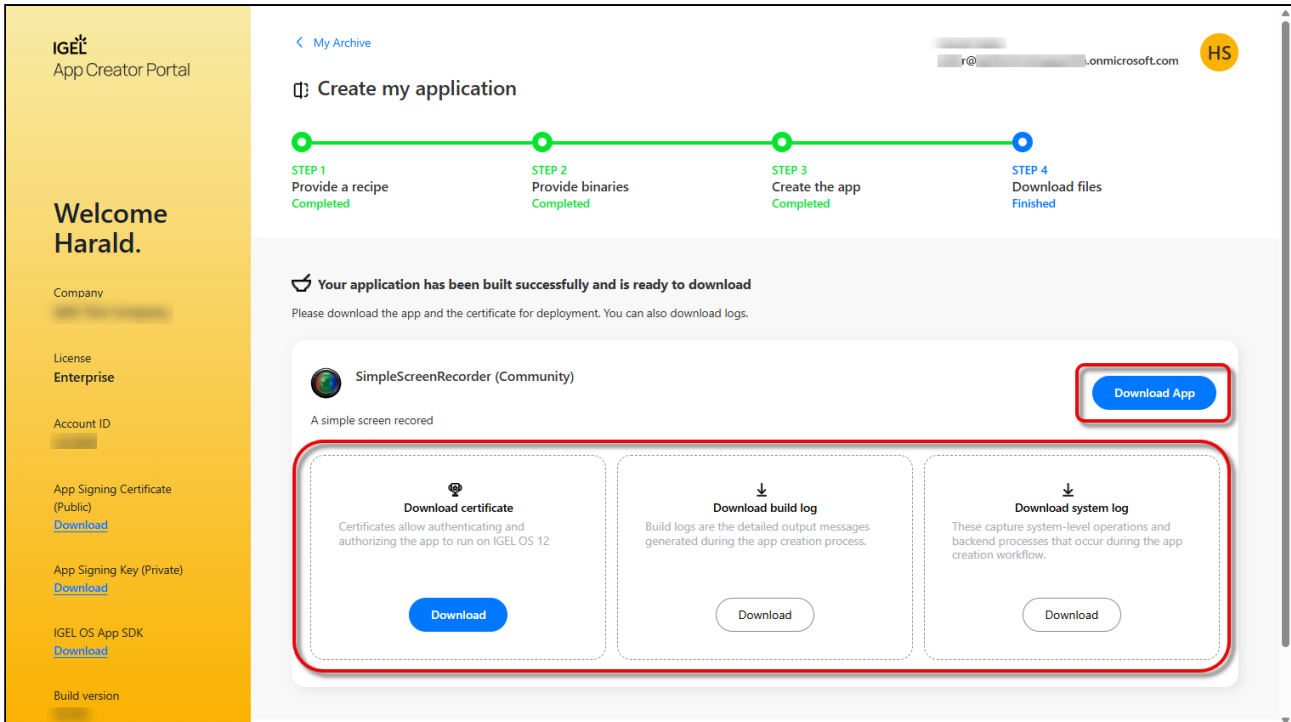
## STEP 4 Download files

When the app has been built successfully, you can download the following files:

- **Download App:** Your app in `.ipkg` format. For instructions on importing the app into your UMS, see <https://kb.igel.com/en/universal-management-suite/current/how-to-export-and-upload-apps-to-the-igel-ums>.
- **Download Certificate:** This certificate is required for installing the app on your endpoint devices. For instructions on deploying certificate files (and other files) with the UMS, see [Files - Registering Files on the IGEL UMS Server and Transferring Them to Devices](#)<sup>3</sup>.
- **Download Build Logs:** Log of the build process
- **System Logs:** Log of the build process from the system's point of view

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3. <https://kb.igel.com/en/universal-management-suite/current/files-registering-files-on-the-igel-ums-server-and>



IGEL App Creator Portal

Welcome Harald.

Company

License  
Enterprise

Account ID

App Signing Certificate (Public)  
[Download](#)

App Signing Key (Private)  
[Download](#)

IGEL OS App SDK  
[Download](#)

Build version

< My Archive

Create my application

STEP 1 Provide a recipe  
Completed

STEP 2 Provide binaries  
Completed

STEP 3 Create the app  
Completed

STEP 4 Download files  
Finished

Your application has been built successfully and is ready to download

Please download the app and the certificate for deployment. You can also download logs.

SimpleScreenRecorder (Community)

A simple screen recorder

Download App

Download certificate  
Certificates allow authenticating and authorizing the app to run on IGEL OS 12

Download

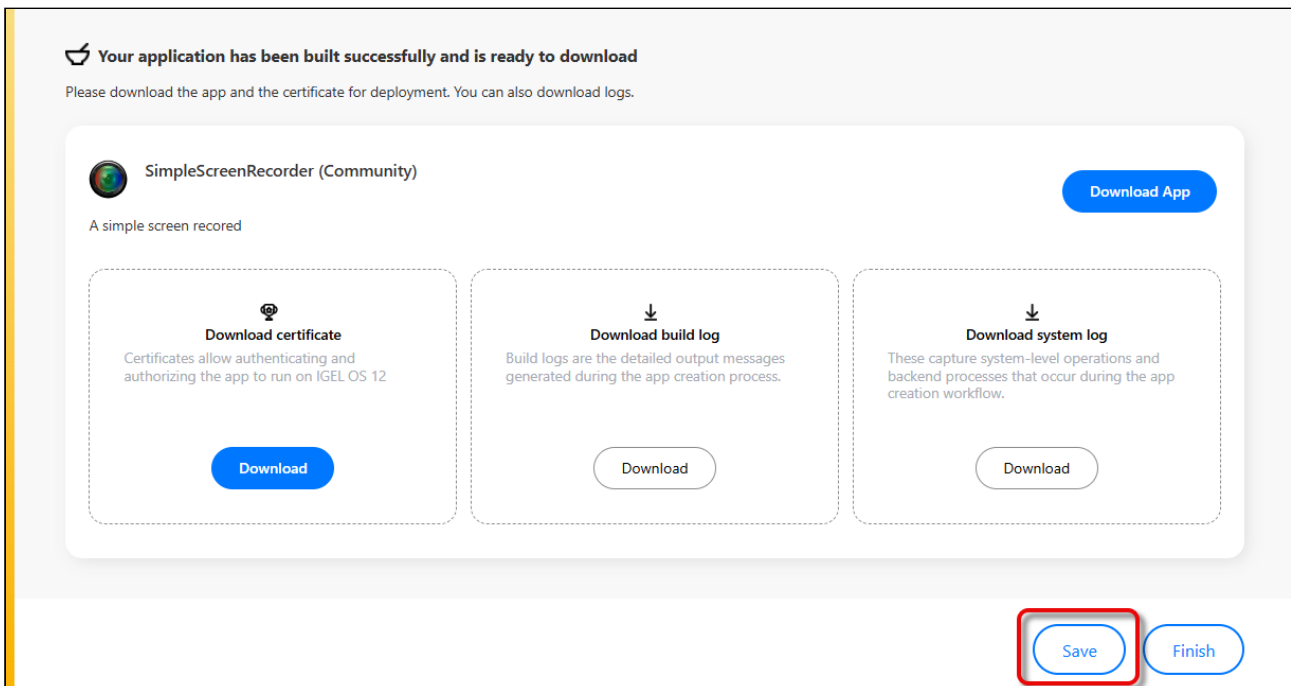
Download build log  
Build logs are the detailed output messages generated during the app creation process.

Download

Download system log  
These capture system-level operations and backend processes that occur during the app creation workflow.

Download

→ To save your recipe in the IGEL App Portal so you can rebuild it later, click **Save**.



Your application has been built successfully and is ready to download

Please download the app and the certificate for deployment. You can also download logs.

SimpleScreenRecorder (Community)

A simple screen recorder

Download App

Download certificate  
Certificates allow authenticating and authorizing the app to run on IGEL OS 12

Download

Download build log  
Build logs are the detailed output messages generated during the app creation process.

Download


Download system log  
These capture system-level operations and backend processes that occur during the app creation workflow.


Download

Save


Finish

→ To complete the build process, click **Finish**.


 **Your application has been built successfully and is ready to download**  
Please download the app and the certificate for deployment. You can also download logs.

 **SimpleScreenRecorder (Community)**  
A simple screen recorder


Download App

**Download certificate**  
Certificates allow authenticating and authorizing the app to run on IGEL OS 12

Download

**Download build log**  
Build logs are the detailed output messages generated during the app creation process.

Download

**Download system log**  
These capture system-level operations and backend processes that occur during the app creation workflow.


Download



Save

Finish

## Managing Your Apps

When you have just logged in or completed the build process, all your apps are displayed under **My Apps**.


 **My Apps**  
This is a list of your created apps.

Display name	Name	Version	Description	Date uploaded	
 <a href="#">keepassxc (Community)</a>	keepassxc	2.7.4+dfsg.1-2	Cross Platform Password Manager	9. October 2025	...
 <a href="#">SimpleScreenRecorder (Community)</a>	simplescreenrecorder	0.4.4+1.1.4	simplescreenrecorder	10. October 2025	...




→ Click on the icon  to select your option:

- **Download App:** Downloads the app to your system.
- **Rebuild Recipe:** A copy of your recipe is created. You can edit this copy and create a new app from it. For details, see [STEP 3 Create the app \(see page 19\)](#).
- **Remove:** Removes the app from the **IGEL App Creator Portal**.



 My Apps

This is a list of your created apps.

Display name	Name	Version	Description	
 <a href="#">keepassxc (Community)</a>	keepassxc	2.7.4+dfsg.1-2	Cross Platform Password Manager	
 <a href="#">SimpleScreenRecorder (Community)</a>	simplescreenrecorder	0.4.4+1.1.4	simplescreenrecorder	10. October 2025 

Manage

- [Download App](#)
- [Rebuild Recipe](#)
- [Remove](#)

## For IGEL Ready Technology Partners: Submitting Your App to IGEL

As an IGEL Ready Technology Partner, you can submit your IGEL OS app directly to IGEL through the App Creator Portal for validation and publication on the IGEL App Portal. IGEL will review your app, perform validation checks, and communicate each step of the process — including acceptance, security review, and publishing status — directly within the portal.




Please submit your app only if you are sure that it is in a final state.





For further information about the IGEL Ready program, see [IGEL Technology Partners](https://www.igel.com/technology-partners/)<sup>4</sup>.

To submit your app:

1. In the list of apps, select your app.


 My Apps

This is a list of your created apps.


Display name	Name	Version	Description	Date uploaded	
 <a href="#">keepassxc (Community)</a>	keepassxc	2.7.4+dfsg.1-2	Cross Platform Password Manager	9. October 2025	
 <a href="#">SimpleScreenRecorder (Community)</a>	simplescreenrecorder	0.4.4+1.1.4	simplescreenrecorder	10. October 2025	

4. <https://www.igel.com/technology-partners/>


2. Click on the button labeled **Application is ready for Submission**.



**simplescreenrecorder**  
0.4.4+1.1.4

Download 



DescriptionChangelogSubmission

 **Submit Your Application Package**  
Once your application has been packaged using the IGEL App Creator Portal, the next step is to submit it for validation and deployment.

Application is ready for Submission



The status of your submission is displayed.

Application submitted

 **App submission acceptance**  Under review



Updated 10. October 2025

Our system will automatically validate the package for compatibility with IGEL OS 12. You'll receive a confirmation email once your submission is received. If any issues are detected, you'll be notified with clear guidance on how to resolve them.

 **App security approval**  Not yet started

Updated -

This step is designed to verify that your application meets IGEL's security standards before it can be approved for deployment. It includes malware and vulnerability scanning and certificate and signature validation.

 **App validation**  Not yet started

Updated -

Your application has not entered the Quality Assurance (QA) phase. During this step, our team will, perform in-depth compatibility testing with IGEL OS, validate performance, stability, and security standards and ensure the app meets all deployment requirements.