

2 - Create your Game Profile

Arbitrium is awesome to deploy your game server, where it's needed and when it's needed. To deploy a game server in our system, you need to create your first application/game server on the dashboard. You can do so by clicking on the "Applications" section of the navigation sidebar.

Before you get to deploying your app, we suggest a brief, directed introduction using an already containerized public app. This will allow you to familiarize with the UI and the flow of configuring, deploying and managing your applications, but without the trickier parts!

In this section, we will guide you through the creation of an application on Arbitrium's Dashboard.

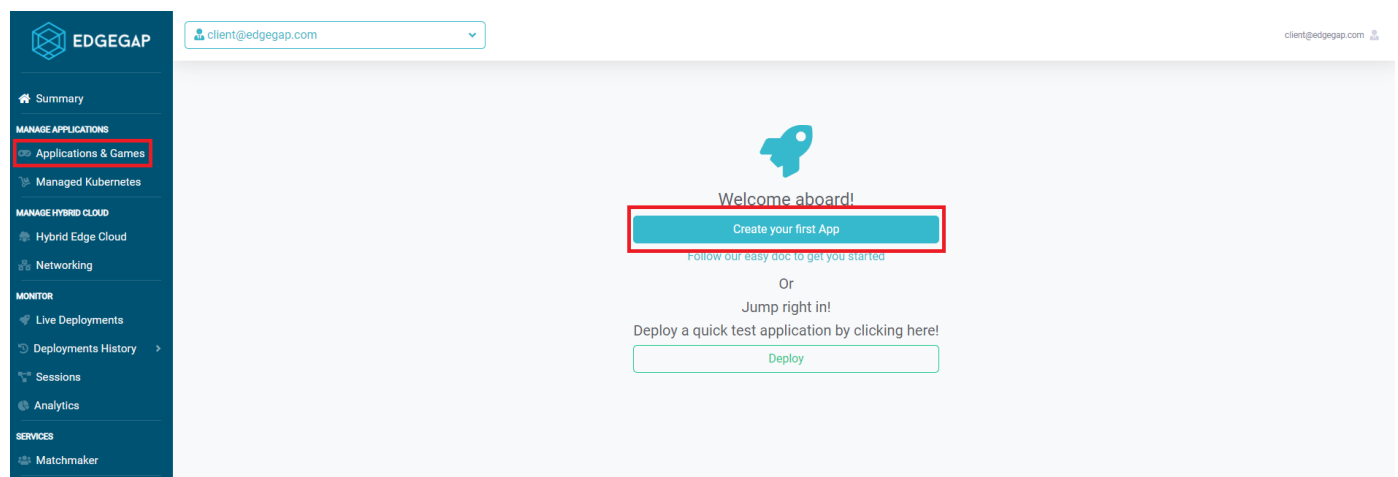
Feeling confident?

As already mentioned, we will be using a simple, public app for this tutorial, but if your app is already containerized (See [here](#) for details), you're free to use it instead.

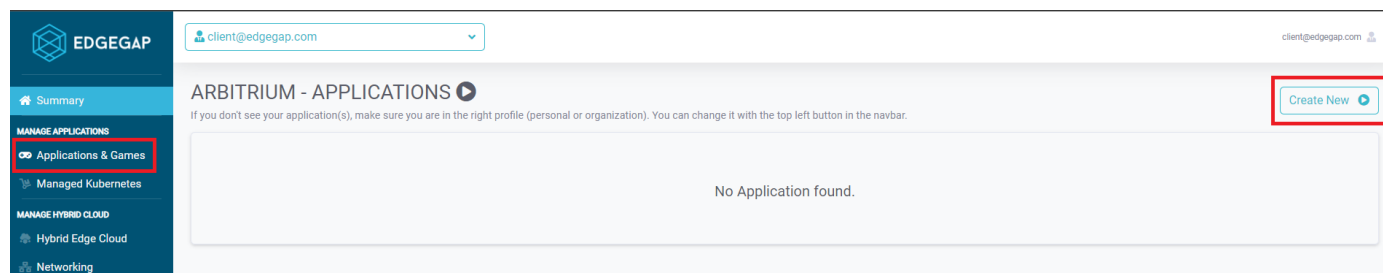
Do take note that we won't be covering every field in detail in this introduction, and you should refer to the [application version](#) detail pages for a more in-depth configuration.

Let's get started

If you don't have any configured application yet, you can use the button provided.

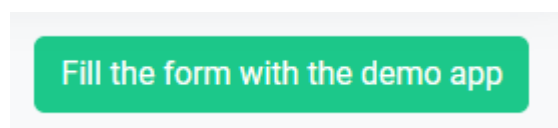


Or navigate to the application page and click on the "Create New" button and create your game profile.



You will be prompted to fill a creation form. When creating an app, you will also create an app version associated with the app.

You can click on the upper right button to automatically fill the form with predetermined values or follow the few steps mentioned below.



First, fill in an application name and choose an image for the app. This is purely for visuals and to identify your app in the Dashboard, so you can put whatever you want for this tutorial.

A screenshot of the 'ARBITRIUM - APPLICATION - CREATE' form. The title is 'ARBITRIUM - APPLICATION - CREATE' with a plus icon. Below it, there's a section for '* Required fields'. The first field is 'Application name *' with a text input containing 'Demo'. The second field is 'Image (max 200KB) *' with a 'Choose File' button and a filename 'fidtwktq1odwnsqnf7n.png'. There's also a small blue icon with a white cube. Below the image field, there's a note: 'For better rendering, try to upload with a 1:1 ratio'.

Then, you will be configuring the application version. Application versions define how the deployments will behave, and you can create many app version for a single app (e.g. One for the production server, and one for the beta).

In the tutorial, we will be deploying a demo application. For that, you will want to enter the following values in the required fields:

Field	What is that?	Value
-------	---------------	-------

Field	What is that?	Value
Version name	The name of your application for identifying it in the dashboard.	v1
docker repository	The repository that hosts your docker container (e.g. Docker Hub, Harbor, etc.).	harbor.edgegap.net
Docker image	The image of your container.	edgegap-public/tutorial
Docker tag	The tag (version) of your container to use for this app version.	demo
CPU Count	The number of CPU units required to run your container.	128
Memory	The number of RAM units required to run your container.	128
Ports	The ports that your application uses.	5000 (HTTP)

Version

Version name *

v1

The name of the application version

Docker repository *

harbor.edggap.net

ex: docker.io or harbor.edggap.net

Docker image *

edggap-public/tutorial

ex: edggap/image

Docker tag *

0.2.2

ex: 1.2

Requirements

CPU Units *

128

1024 CPU units = 1vCPU

Memory (MB) *

128

Required Memory in MB

GPU Units *

0

1 GPU = 1024 units

Using a private Repository

☐

Ports

Add port

Port	Protocol	Name	Verifications	TLS Upgrade	
5000	HTTP	N/A	true	false	✖

Environment variables

Add env

Advanced Settings ▾

Application API request

Version API request

Cancel

Submit

We won't go in-depth about the fields and their impact on the deployments right now. If you're curious, refer to the [application versions page](#).

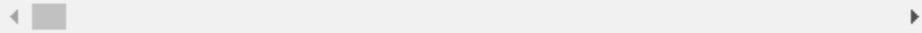
At that point, the form is ready to submit. You might have noticed the two little buttons on the bottom of the page, **Application API request** and **Version API request**. These allow you to view a request snippet that you could use with our API to create this exact same application and version.

JSON Request



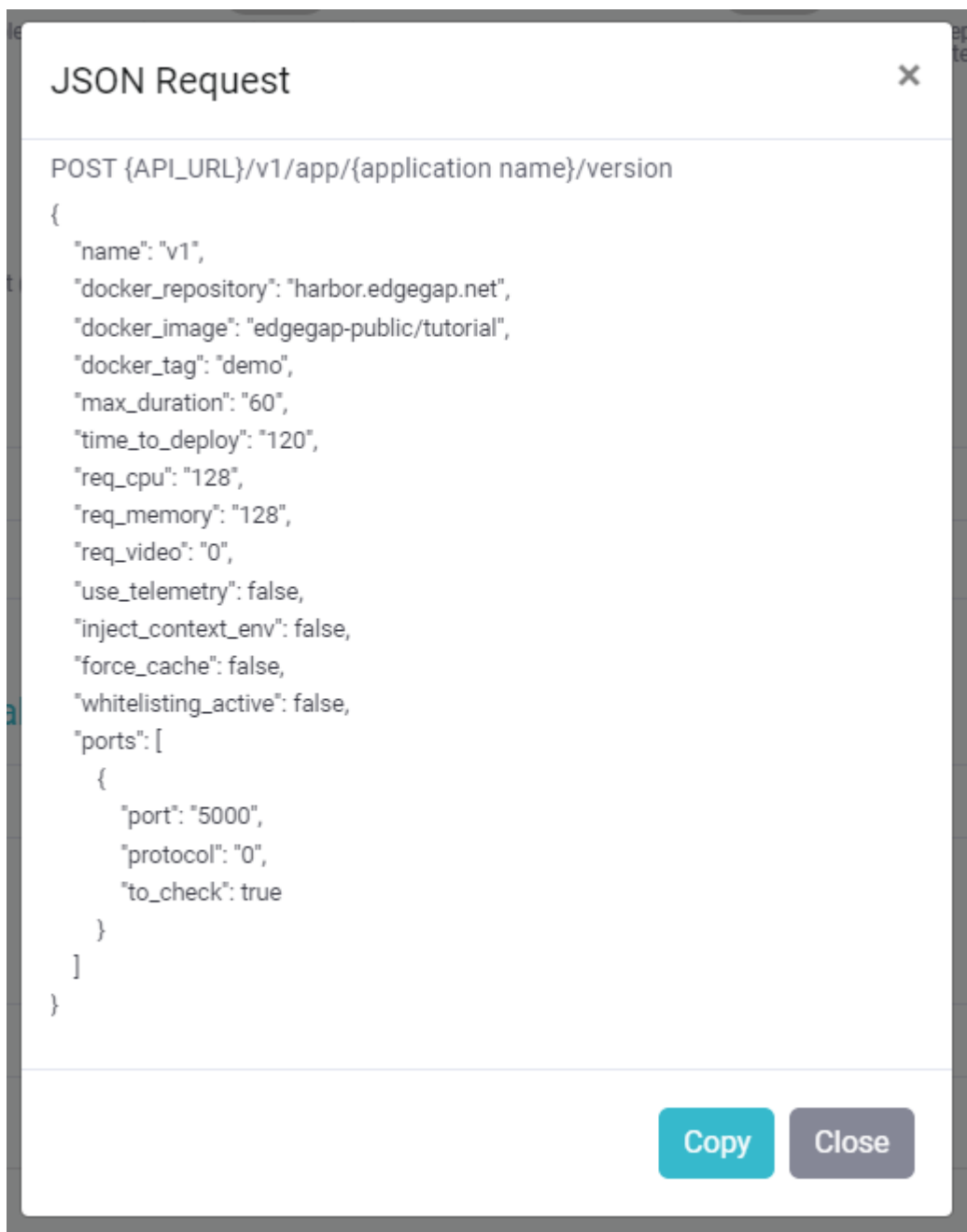
POST {API_URL}/v1/app

```
{  
  "name": "Demo",  
  "image": "iVBORw0KGgoAAAANSUhEUgAAAKoAAACqBAMAAADPWMmxAAAAHl  
  "is_active": true  
}
```



Copy

Close



If you wish to test the API, follow the following example [API Getting started](#).

You can hit submit and you will be redirected to the Applications page, where you can find your newly created app. Simple as that!

Next step: Deploying your app!