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Altizure Open Platform

Welcome to Altizure Open Platform!

On Altizure, you can not only experience the most advanced 3D reconstruction technology to turn 2D photos to realistic 3D models, but also use the online 3D publishing service to share and enjoy the 3D models.

Join Altizure open platform to integrate the powerful 3D reconstruction and publishing services on Altizure to your business workflow. Unleash the power of realistic 3D models!

Let's start the journey.

- [Concepts](#)
- [Developer Account](#)
- [GraphQL API](#)
- [Javascript SDK](#)

Learn more about Altizure at:

- Explore the 3D world on Altizure: altizure.com/explore
- [Facebook page](#)
- Official blog: blog.altizure.com

Contact us support@altizure.com

Concepts

Before starting to develop with Altizure, here we introduce a few concepts. If you have used some development SDK for other online platform, e.g. facebook app or github sdk, you should be familiar with them.

1. Developer account

If you do not have an altizure account yet, please get one on [sign up page](#).

Then you can apply for [developer account](#). All development tools and privileges will be linked with this account. Please keep this account secure and safe.

2. App

To be added

App key

To be added

App secret

To be added

3. User token

To be added

4. GraphQL API

Altizure GraphQL API is a set of API in the syntax of [GraphQL](#). The API allows developers to fetch and modify the data on Altizure. Learn more at [GraphGL API](#)

5. Javascript SDK

Altizure Javascript SDK allows you to integrate rich 3D experience with our realistic 3D models to your business workflow. Learn more at [Javascript SDK](#)

Developer Account

We are sorry that the developer account is not yet for public application. It is only for invited partners at the moment.

For latest information about our open platform, please keep following us at:

- [Facebook page](#)
- Official blog: blog.altizure.com

Altizure Graphql API

Altizure GraphQL API is a set of API in the syntax of [GraphQL](#). The API allows developers to fetch and modify the data on Altizure.

1. Prerequisite

- Altizure developer account
- App key
- User token (optional)

2. API Endpoint and Documentations

API endpoints and documentations: api.altizure.com/graphql .

3. Try out API in your browser

It is very convenient to test the API in browsers, because it provides instant feedback on the query results and detailed inline documentations. After the testing, you can easily copy and paste the query string to your code and trigger the API call.

We take Google Chrome as an example. Other browsers supporting extensions, e.g. Firefox, should work too.

Install extension

First, please install an extension that can modify the http request header. Here ModHelper is used. Please search and install `ModHelper` in the extension store of Google Chrome.

chrome web store

modify header

Apps

AppSheet

Advanced REST client

HostAdmin App

ModHeader

Modify Headers for Google Chrome™

ModHeader

Modify Header Value (HTTP Headers)

Modify http header

Please use ModHelper to add `key` field in request header with app key as the value.

GraphQL

Secure | https://api.altizure.com/graphql?query=query%20%7B%0A%20%20allProjects%20%7B%0A%20%20%20edges%20%7B%0A%20%20%20%20node%20%7B%0A%20%20%20%20%20id%20%7D%0A%20%20%20%20name%20%7D%0A%20%20%20%7D%0A%7D%0A%7D

API Altizure

Request Headers

key

set key field with your app key

Visit api.altizure.com/graphql after setting the key. You can find three sections: "query section", "result section", and "documentation", on the page.

Now please fill the following query string to the query section to get the ID and name of public projects.

```
query {
  allProjects {
    edges {
      node {
        id
        name
      }
    }
  }
}
```

```
    }  
}
```

Please click the action button to get the query results.

4. Integrate the API in your code

The API can be called by any libs and programming languages that can issue a http post request.

For example:

JQuery in Javascript

```
$.ajax({
  type: 'POST',
  url: 'https://api.altizure.com/graphql',
  headers: {
    altitoken: 'user token',
    key: 'app key'
  },
  data: 'query=' + 'GraphQL query string'
})
```

5. Learn more

- Learn more about [GraphQL](#)
 - Use [Altizure Javascript SDK](#) to developer rich 3D application
 - More tools on GraphQL: [Awesome GraphQL](#)

Altizure Javascript SDK

Altizure Javascript SDK allows you to integrate rich 3D experience with our realistic 3D models to your business workflow. Combined with tools like Electron and React Native, you can easily develop high quality 3D applications with realistic models for desktop and mobile apps.

1. Basics

Coming soon

2. Sample

Coming soon

3. Reference manual

Coming soon

4. Learn more

- [ThreeJS](#)
- [WebGL](#)
- [OpenGL](#)
- [Vulkan](#)
- [OpenGL Transformation](#)