

ArtCart

What is ArtCart?

A quick overview of ArtCart platform.

ArtCart is an NFT transaction platform that simplifies all NFT-related processes for sellers and buyers including creation, issuing, tracking, sales and more.

- Sellers can create, issue and track NFTs from a single dashboard with zero upfront cost.
- Buyers can collect, sell and track NFTs from a single application without the need to deal with multiple individual marketplaces and exchanges.

ArtCart platform includes following building blocks:

- Seller portal for creators & sellers to create, issue, manage NFTs.
- Buyer portal for buyers to receive NFTs & send them to a marketplace to sell.
- APIs for sellers to issue NFTs through any digital or physical sales channel, i.e., a mobile application or a game.
- Marketplace integrations that allow NFTs to be sent to a marketplace for sale through API.

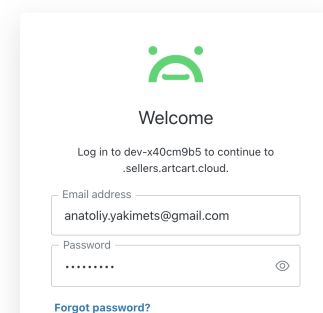
Getting Started

A guid for sellers to get started with ArtCart platform.

Getting started with ArtCart is very simple and does not require any developer knowledge.

Sign up as a Seller

Go to <https://sellers.artcart.cloud> and sign up for a new Sellers account. To make sure all your data is safe we use Auth0 provider for user authorization and authentication.



Welcome

Log in to dev-x40cm9b5 to continue to
.sellers.artcart.cloud.

Email address
anatoly.yakimets@gmail.com

Password
.....

[Forgot password?](#)

Continue

Don't have an account? [Sign up](#)

ArtCart signup

✓ Now you are ready to start creating and issuing your NFTs.

Seller Portal overview

The seller portal has several pages to manage all your NFT assets:

- Credentials: here you can create new API keys for your applications to connect to the ArtCart REST API.
- Collections: here you can find all your NFT templates.
- NFT: here you can find all the NFTs sent to your customers and users.
- Transactions: here you can find all your NFT transactions including NFT sent to customers.
- My Account: information about your account.



CREDENTIALS COLLECTIONS NFT TRANSACTIONS

A

Welcome to ArtCart! Let's get started!

[TAKE A TOUR](#)



CONNECTED

Create your first NFT

This page describes the process of NFT creation

After you have created your account it's time to create your first NFT. There are two ways to do this:

1. Through the ArtCart Seller portal which we will discuss here.
2. Through REST API which will be covered in the API Reference section.

To create your first NFT template, navigate to the Collections page from the navigation bar. Here you will find all your existing NFT templates.

NFT template can be instantiated (minted) into an NFT when you issue it to a customer. When creating a template you can specify:

1. Asset name: the name that will be used for your NFT
2. Asset description: description of the NFT, can be anything
3. Network: blockchain on which the NFT will be deployed. Currently Rarible is the only option.
4. Number of times the NFT can be minted (set 0 to remove any limits)

Create your NFT collection



Upload Image



Provide Metadata



Confirm

Now, please provide the NFT metadata.

Name *

Description *

Select Collection

Mainnet



[BACK](#)

[NEXT](#)



After you confirm the NFT template it will appear on your collections page and will be ready to be issued to your customers.

API Reference

Authorization

How to access ArtCart API

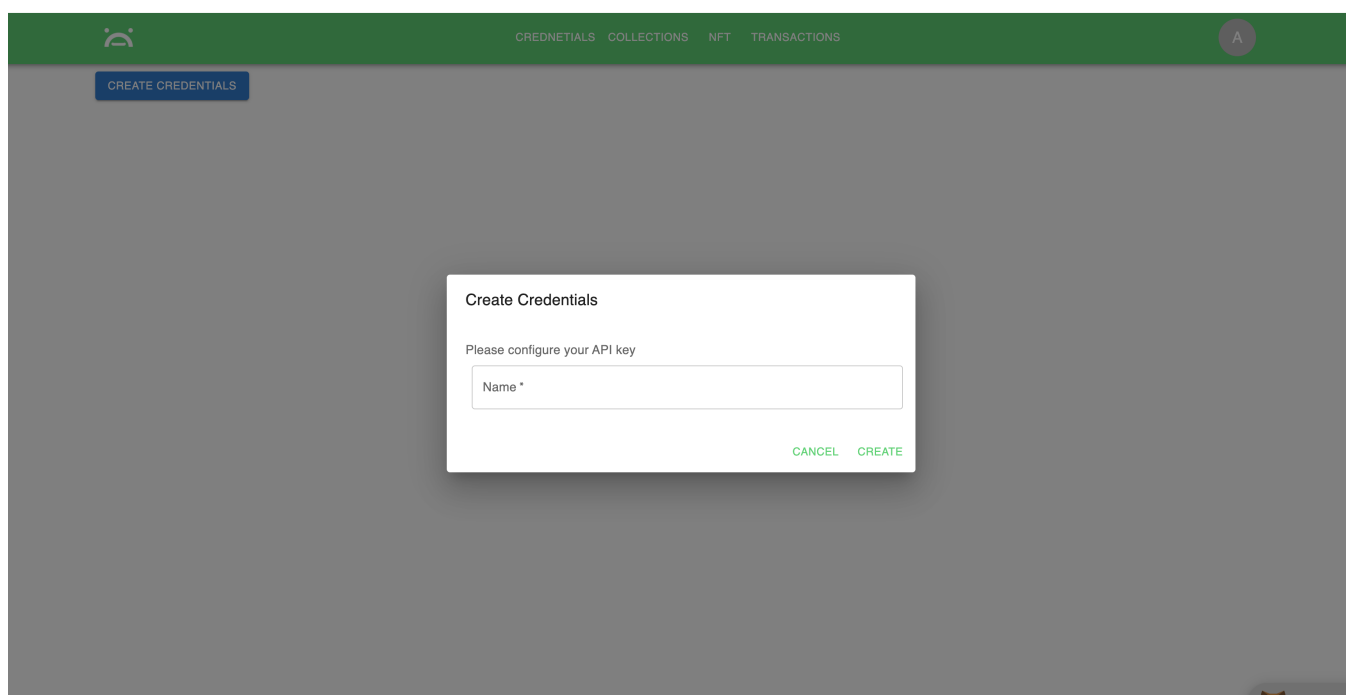
To access ArtCart API following steps need to be completed:

1. Create an API key in seller dashboard
2. Request authorization token via API using API key created in step 1
3. Make a call to ArtCart API endpoint

Create an API key

API key generation is a very straightforward process:

1. Go to your ArtCart Seller Portal.
2. Click on Credentials in the top Navigation bar.
3. Click on "Create Credentials" button.
4. Enter key name.
5. Click create and wait for API key to be generated.
6. Store Private Key safely as you wont be able to see it again.



The screenshot displays the ArtCart Seller Portal interface. At the top, a dark green navigation bar contains the ArtCart logo on the left and the menu items 'CREDENTIALS', 'COLLECTIONS', 'NFT', and 'TRANSACTIONS' in the center. A user profile icon with the letter 'A' is on the right. Below the navigation bar, a blue button labeled 'CREATE CREDENTIALS' is visible. The main content area is a light gray, and a white modal dialog titled 'Create Credentials' is centered. Inside the modal, the text 'Please configure your API key' is followed by a text input field labeled 'Name *'. At the bottom right of the modal, there are two buttons: 'CANCEL' and 'CREATE'.

- ✓ You have created an API key that you will use to request authentication token through client credentials flow.

Get Authorization Token

To get authentication token, you will have to make a post call to Auth0 API.

POST <https://login.artcart.cloud/oauth>

Request oauth token

Request temporary oauth token that you can use to access ArtCart API.

Parameters

Header

Content-Type* application/json

Body

audience* platform.artcart.app/api/transactional/

grant_type* client_credentials

client_id* String

Your client id (Public API key)

client_secret* String

Your client secret (Private API key)

Responses

● 200: OK

Access token details

- ✓ You have obtained an authorization token that you can use to make API calls to the ArtCart API.

Call API

To call ArtCart API from your M2M application, the application must pass the retrieved Access Token as a Bearer token in the Authorization header of your HTTP request.

/templates

Endpoint allowing manipulations with NFT templates

GET <https://platform.artcart.cloud/api/transactional/templates>



Gets all NFT templates for authenticated seller

Gets all NFT templates for authenticated seller as a list of JSONs.

Parameters

Header

Authorization*

Bearer token

Authorization token

Responses

● 200: OK



● 500: Internal Server Error



POST <https://platform.artcart.cloud/api/transactional/templates>



Create new NFT template for authenticated seller by submitting a multipart form.

Parameters

Header

Content-Type*	multipart/form-data
Authorization*	Bearer token
Authorization token	
Body	
image*	Blob
name*	String
Name of your NFT	
description*	String
Description of your NFT	
collection*	String
Contract address that will be used for minting	
limit*	int
How many time NFT can be issued. 0 for no limit.	
author_wallet*	String
Address of the NFT author wallet	
Responses	
● 201: Created	>
● 500: Internal Server Error	>

Please note, that post request uses multi-part form, not JSON body. The list of possible collection values:

Rarible mainnet	0xF6793dA657495ffeFF9Ee6350824910Abc21356C
Rarible rinkby	0x6ede7f3c26975aad32a475e1021d8f6f39c89d82
Rarible ropsten	0xB0EA149212Eb707a1E5FC1D2d3fD318a8d94cf05

DELETE<https://platform.artcart.cloud/api/transactional/templates/:id>

Delete template

Deletes specific template identified by id for authenticated seller.

Parameters

Path

id*	String
id of an NFT template	

Header

Authorization*	Bearer token
Authorization token	

Responses

- 200: OK >
- 401: Unauthorized >
- 500: Internal Server Error >

/nft

Description of available nft endpoint calls

GET<https://platform.artcart.cloud/api/transactional/nft>

Get seller NFTs

Gets all NFTs for authenticated seller.

Parameters

Header

Authorization
Authorization token

Bearer token

Responses

● 200: OK



List of JSONs describing NFTs

● 500: Internal Server Error



POST <https://platform.artcart.cloud/api/transactional>



Issue an NFT to a buyer

Issue an un-minted NFT to a buyer using his email, so that they can claim it.

Parameters

Header

Authorization*

Bearer token

Authorization token

Body

cid*

String

Metadata IPFS hash identifying an NFT template

email*

String

Email of a buyer/user

Responses

● 201: Created



● 400: Bad Request



Will return message with error

● 500: Internal Server Error



/transactions

Transaction endpoint calls

GET

<https://platform.artcart.cloud/api/transactional/transactions>



Get transactions

Gets all transactions for authenticated seller

Parameters

Header

Authorization*

Bearer token

Authorization token

Responses

● 200: OK



List of JSONs describing transaction

● 500: Internal Server Error



Product

Release Notes

Rolling list of release notes

March 28, 2022.

Status page is available at <https://status.artcart.cloud/>

March 20, 2022

New features:

- Added ability to issue an NFT to a customer via the seller portal. (Previously was possible only via API)

Fixes:

- Fixed invitation not being sent to new buyers after NFT was issued.

March 19, 2022

New features:

- Seller Portal: added ability to change wallet address during NFT template creation.

Unity SDK

SDK Overview

Overview of ArtCart Unity SDK


Purpose


ArtCart Unity SDK allows you to easily integrate NFTs into your game.

With ArtCart SDK, you can easily issue NFTs to your players using their email. No crypto wallet is required. This allows solving onboarding issues for new players.

Security Considerations

Unity is a client-side application so storing client secret in it is strongly discouraged. Because of this ArtCart SDK relies on serverless backend implementation.

 Still, to minimize security risks it is strongly advised to use client authentication in your game.

 It is important to remember that ArtCart does not store any private keys or minted NFTs, so it is absolutely impossible for hackers to gain anything even in the case of security breach.

Getting Started

Quick-start guide for ArtCart Unity SDK

1. Create and deploy serverless backend

This is required to authorize API calls to the ArtCart platform. The easiest way to do this is to use the ArtCart serverless backend starter project:

GitHub - Ablomis/artcart-unity
GitHub

1. Go to <https://github.com/Ablomis/artcart-unity> and fork the repository
2. Go to <https://app.netlify.com/> and create a new project from the repository that you have forked.
3. Take note of the endpoint URLs of your functions.

Function awardNFT

🔔 Logs are retained for 24 hours.

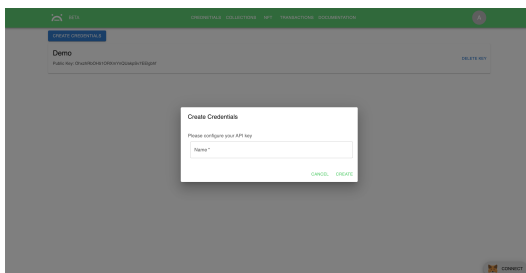
Running in **production**.

Endpoint: [https://\[redacted\].netlify.app/netlify/functions/awardNFT](https://[redacted].netlify.app/netlify/functions/awardNFT) 

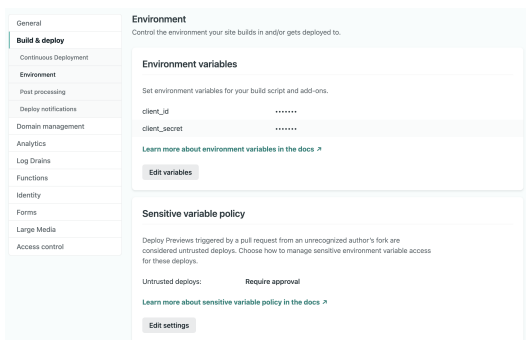
[Learn more about Functions in the docs](#) ➤


[Open deploy](#)

4. Go to [the https://sellers.artcart.cloud](https://sellers.artcart.cloud), and on the Credentials page create a new key for you Netlify serverless application.



5. Configure your Netlify environment variables with the credentials you obtained in step 4.



 You can use any serverless backend of your choice for the purpose.

2. Add ArtCart SDK to your Unity project

1. Import ArtCart SDK package into Unity.
2. Add an empty object named ArtCart and add the ArtCart script from the SDK to the Object.

3. Configure the variables in the `ArtCart` script to point toward your Netlify endpoints:
`private string url_awardNFT = "YOUR_NETLIFY_ENDPOINTTowardNFT"`
`private string url_awardSpecificNFT = "YOUR_NETLIFY_ENDPOINTTowardSpecificNFT "`

✓ At this point, everything should be configured properly.

SDK Methods

Overview of SDK Methods

ArtCart SDK contains two methods:

1. `awardSpecificNFT`

```
1 public async void awardSpecificNFT(string email, string cid)
```

This method takes customer email and cid (metada ipfs hash which defines an NFT template) as paramters and issues an NFT to a player based on their email.

2. `awardNFT`

```
1 public async void awardNFT(string email)
```

This method takes customer email and issues a random NFT from all the templates that you have created. This method can be customized according to your needs.

Customizations


How you can customize the ArtCart

The easiest way to customize how players receive NFTs is by customizing the serverless functions.

```
1 if(eligibleTemplates.length>0){  
2     //ADD ANY CUSTOM LOGIC HERE  
3     /*  
4     //-----  
5     */  
6  
7     //getting random NFT index  
8     const index = Math.floor(Math.random()*eligibleTemplates.length);
```

```
10 //getting cid (meta ipfs hash that defines NFT template
11 const cid = eligibleTemplates[index].meta_ipfshash;
12
13 //issuing NFT
14 const responseNFT = await axios.post(`https://platform.artcart.cloud/api/transactional`,
15   { cid: cid,
16     email: data.email
17   }, { headers: { "Authorization": `Bearer ${token}` } });
18 return { statusCode: 200 }
```

Once you get the list of eligible templates in the eligibleTemplates variable you can pick one of the templates based on any criteria such as rarity, player level etc.

 In case of questions please visit our discord channel: <https://discord.gg/YbnFjjPw>