

Ripe API

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Introduction

Welcome to the Ripe API reference page. Ripe is designed to help track your groceries so you can use your produce while it's still fresh.

Code examples are provided for each API call in cURL. Sample data is available for you to test the API

Ripe Concepts

This section covers ideas that are specific to the Ripe API.

Food Object

Each food item is represented as a JSON object in a database.

Parameter	Description	Example
food	Name of the item	tomato
kitchen_area	Kitchen area where the item is placed <ul style="list-style-type: none">Allowed values: fridge, freezer, pantry	fridge
best_by	Expected expiry date. <ul style="list-style-type: none">Estimate this date based on the purchase date.Must be in MM/DD/YYYY format.	02/20/2024

Kitchen Area

Each food object has an associated `kitchen_area` parameter. You can save food in the refrigerator, pantry, and freezer. You're meant to interact with kitchen areas in a similar way to your physical kitchen – save meat in the fridge, and frozen vegetables in the freezer.

Authentication

Ripe authenticates with JSON Web Tokens (JWT) and expects a JWT to be included with all requests to the server. Pass your JWT token in the Authorization header when making requests.

The JWT token below is used to authenticate with the server for sample POST, PUT, and DELETE requests.

```
Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjVhMTYxNDZlMTNkZjNlMTUxYWEzZjQyZSIsIm1hdCI6MTUxMTM5NjY5NywiZXhwIjoxNTEzOTg0Njk3fQ.0YB9W1PxTdfMb5ysZ01qKRjr0geHKmLVqVxfbk4gTo
```

Getting Started

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This section explains how to set up a Ripe account and the basics of uploading produce to Ripe.

To make API calls against Ripe, you need to create a user account. When you log in, you'll receive an access token and a refresh token, which you can use to interact with your Ripe data.

This tutorial takes you through the following steps:

1. Register a new account.
2. Login and get an access token.
3. Use the access token to upload a grocery item.

Let's go!

Prerequisites

This tutorial assumes you have cURL. You can install it by clicking [this link](#) or using the package manager of your choice.

Register an Account

You have to create an account with the Ripe API to manage your produce.

Your first API call will be to register a new account. To do this, call the `account/register` endpoint.

POST <https://ripeapi.com/account/register>

Body Parameters

Name	Type	Description
username	string	Your desired Ripe username.
password	string	Your desired Ripe password.

Sample Request

The `account/register` endpoint expects a username and password.

- Your password must contain at least:
 - Ten characters
 - One special character
 - One capital letter

This call returns a JSON response that confirms you've been signed up.

```
curl --request POST
--url http://ripeapi.com/account/register
--data '{
  "username": "$RIPE_USERNAME",
  "password": "$RIPE_PASSWORD"
}
```

Sample Response

If your POST is successful, you'll get a JSON message confirming your registration.

```
{
  "message": "$RIPE_USERNAME has successfully registered!"
}
```


Upload a Grocery Item

Now that you have an access token, you can start uploading your produce. Call the `/produce/add` endpoint to save produce in the database. The `/produce/new` endpoint accepts three JSON-encoded parameters: `food`, `kitchen_area`, and `best_by`.

POST <https://ripeapi.com/produce/new>

Headers

Name	Description
Content-Type	application/json
Authorization	Bearer \$ACCESS_TOKEN

Body Parameters

Name	Type	Description
<code>food</code> required	string	Name of the item.
<code>kitchen_area</code> required	string	Kitchen area where the item is placed. <ul style="list-style-type: none">Allowed values: fridge, pantry, freezer
<code>best_by</code> optional	string	Expected expiry date. <ul style="list-style-type: none">Estimate the expiry date based on the purchase date.Must be in MM/DD/YYYY format.

Sample Request

```
curl -request POST
-url http://ripeapi.com/produce/new
-header 'Content-Type: application/json'
-header 'Authorization: Bearer 1P0dFZRZbvb...qqillRxMr2z'
-data '{
  "food": "bread",
  "kitchen_area": "pantry",
  "best_by": "04/05/2024"
}'
```

Sample Response

The sample response contains the ID of the food item you added, indicating it has been saved in the database.

```
{
  "food_id": "aYNpCLWvwe"
}
```

Refresh Your Access Token

To refresh your access token, call the `account/refresh` endpoint. The `account/refresh` endpoint expects your username and `refreshToken` in your request body.

POST <https://ripeapi.com/account/refresh>

Sample Request

```
curl -request POST
-url http://ripeapi.com/account/refresh
-header 'Authorization: Bearer 1P0dFZRZbvb...qqillRxMr2z'
-data '{
  "access_token": "
  "refresh_token":
}'
```

Sample Response

You will receive a new access token and a new refresh token in the response.

```
{
  "access_token": "YgzaInQCkn...S10ripb3eM",
  "refresh_token": "KWwRdHV01G...c978pBZAbu"
}
```