

Okay, here is the Creem API documentation in Markdown format:

```
# **CREEM API DOCUMENTATION**

## Introduction

Understand general concepts, response codes, and authentication strategies.

### Base URL

The Creem API is built on REST principles. We enforce HTTPS in every request to improve data security, integrity, and privacy. The A

All requests contain the following base URL:
```

<https://api.creem.io>

```
*(Note: Some endpoint descriptions also mention `https://test-api.creem.io`)*

### Authentication

To authenticate you need to add an `x-api-key` header with the contents of the header being your API Key. All API endpoints are auth

**Example Header:**

```json
{
 "headers": {
 "x-api-key": "creem_123456789"
 }
}
```

Response codes

Creem uses standard HTTP codes to indicate the success or failure of your requests. In general, 2xx HTTP codes correspond to success, 4xx codes are for user-related failures, and 5xx codes are for infrastructure issues.

Status	Description
200	Successful request.
400	Check that the parameters were correct.
401	The API key used was missing.
403	The API key used was invalid.
404	The resource was not found.
429	The rate limit was exceeded.
429	Indicates an error with Creem servers.

Create Checkout Session

Creates a new checkout session.

POST <https://api.creem.io> / <https://test-api.creem.io> /v1/checkouts

Headers

- **x-api-key** - string - **required** Your API Key.

## Body ( application/json )

- **product\_id** - string - **required** The ID of the product associated with the checkout session.
- **request\_id** - string Identify and track each checkout request.
- **units** - number The number of units for the order.
- **discount\_code** - string Prefill the checkout session with a discount code.
- **customer** - object Customer data for checkout session. This will prefill the customer info on the checkout page. *(Show child attributes)*
- **custom\_field** - object[] Collect additional information from your customer using custom fields. Up to 3 fields are supported. *(Show child attributes)*
- **success\_url** - string The URL to which the user will be redirected after the checkout process is completed.
- **metadata** - object[] A key-value pair where the key is a string, and the value can be a string, number, or null. This metadata will be propagated across all related objects, such as subscriptions and customers.

## Response ( 200 - application/json )

Successfully created a checkout session.

- **id** - string - **required** Unique identifier for the object.
- **mode** - enum<string> - **required** String representing the environment. Available options: `test`, `live`, `sandbox`.
- **object** - string - **required** String representing the object's type. Objects of the same type share the same value.
- **status** - string - **required** Status of the checkout.
- **product** - object - **required** The product associated with the checkout session.
- **checkout\_url** - string - **required** The URL to which the customer will be redirected to complete the payment.
- **success\_url** - string - **required** The URL to which the user will be redirected after the checkout process is completed. *Example:*  
"https://example.com/return"
- **request\_id** - string Identify and track each checkout request.
- **units** - number The number of units for the product.
- **order** - object The order associated with the checkout session. *(Show child attributes)*
- **subscription** - object The subscription associated with the checkout session.
- **customer** - object The customer associated with the checkout session.
- **custom\_fields** - object[] Additional information collected from your customer during the checkout process. *(Show child attributes)*
- **feature** - object[] Features issued for the order. *(Show child attributes)*
- **metadata** - object[] A key-value pair where the key is a string, and the value can be a string, number, or null.

## Examples

JavaScript Request:

```

const options = {
 method: 'POST',
 headers: {
 'x-api-key': '<x-api-key>',
 'Content-Type': 'application/json'
 },
 body: JSON.stringify({
 "request_id": "<string>",
 "product_id": "<string>",
 "units": 123,
 "discount_code": "<string>",
 "customer": {
 "id": "<string>",
 "email": "user@example.com"
 },
 "custom_field": [{
 "type": "text",
 "key": "<string>",
 "label": "<string>",
 "optional": true,
 "text": {
 "max_length": 123,
 "min_length": 123
 }
 }
]},
 "success_url": "<string>",
 "metadata": [{}])
});

fetch('https://api.creem.io/v1/checkouts', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));

```

#### Example 200 Response:

```

{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "status": "<string>",
 "request_id": "<string>",
 "product": {},
 "units": 123,
 "order": {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "customer": {},
 "product": {},
 "amount": 2000,
 "currency": "EUR",
 "fx_amount": 15,
 "fx_currency": "EUR",
 "fx_rate": 1.2,
 "status": "pending",
 "type": "subscription",
 "affiliate": "<string>",
 "created_at": "2023-09-13T00:00:00Z",
 "updated_at": "2023-09-13T00:00:00Z"
 },
 "subscription": {},
 "customer": {},
 "custom_fields": [

```

```

{
 "type": "<string>",
 "key": "<string>",
 "label": "<string>",
 "optional": true,
 "text": {
 "max_length": 123,
 "min_length": 123
 }
}
],
"checkout_url": "<string>",
"success_url": "https://example.com/return",
"feature": [
 {
 "license": {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "status": "active",
 "key": "ABC123-XYZ456-XYZ456-XYZ456",
 "activation": 5,
 "activation_limit": 1,
 "expires_at": "2023-09-13T00:00:00Z",
 "created_at": "2023-09-13T00:00:00Z",
 "instance": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "license-instance",
 "name": "My Customer License Instance",
 "status": "active",
 "created_at": "2023-09-13T00:00:00Z"
 }
]
 }
 }
],
"metadata": [
 {}
]
}

```

## Get Checkout Session

Retrieves the details of a checkout session.

GET `https://api.creem.io / https://test-api.creem.io /v1/checkouts`

### Headers

- **x-api-key** - `string` - **required** Your API Key.

### Query Parameters

- **checkout\_id** - `string` - **required** The identifier of the checkout session to retrieve.

### Response (200 - application/json )

Successfully retrieved the subscription (checkout session details).

- **id** - `string` - **required** Unique identifier for the object.
- **mode** - `enum<string>` - **required** String representing the environment. Available options: `test`, `live`, `sandbox`.
- **object** - `string` - **required** String representing the object's type. Objects of the same type share the same value.

- **status** - string - **required** Status of the checkout.
- **product** - object - **required** The product associated with the checkout session.
- **checkout\_url** - string - **required** The URL to which the customer will be redirected to complete the payment.
- **success\_url** - string - **required** The URL to which the user will be redirected after the checkout process is completed. *Example:* "https://example.com/return"
- **request\_id** - string Identify and track each checkout request.
- **units** - number The number of units for the product.
- **order** - object The order associated with the checkout session. *(Show child attributes)*
- **subscription** - object The subscription associated with the checkout session.
- **customer** - object The customer associated with the checkout session.
- **custom\_fields** - object[] Additional information collected from your customer during the checkout process. *(Show child attributes)*
- **feature** - object[] Features issued for the order. *(Show child attributes)*
- **metadata** - object[] A key-value pair where the key is a string, and the value can be a string, number, or null.

## Examples

### JavaScript Request:

```
const options = {
 method: 'GET',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

// Assuming checkout_id is part of the URL path or added as query param
// The documentation structure implies it might be a query param based on placement
// Example with query parameter:
fetch('https://api.creem.io/v1/checkouts?checkout_id=<checkout_id_value>', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

### Example 200 Response:

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "status": "<string>",
 "request_id": "<string>",
 "product": {},
 "units": 123,
 "order": {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "customer": {},
 "product": {},
 "amount": 2000,
 "currency": "EUR",
 "fx_amount": 15,
 "fx_currency": "EUR",
 "fx_rate": 1.2,
 "status": "pending",
 "type": "subscription",
 "affiliate": "<string>",
 "created_at": "2023-09-13T00:00:00Z",
 "updated_at": "2023-09-13T00:00:00Z"
 },
 "subscription": {},
 "customer": {},
 "custom_fields": [
 {
 "type": "<string>",
 "key": "<string>",
 "label": "<string>",
```

```
 "optional": true,
 "text": {
 "max_length": 123,
 "min_length": 123
 }
 },
 "checkout_url": "<string>",
 "success_url": "https://example.com/return",
 "feature": [
 {
 "license": {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "status": "active",
 "key": "ABC123-XYZ456-XYZ456-XYZ456",
 "activation": 5,
 "activation_limit": 1,
 "expires_at": "2023-09-13T00:00:00Z",
 "created_at": "2023-09-13T00:00:00Z",
 "instance": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "license-instance",
 "name": "My Customer License Instance",
 "status": "active",
 "created_at": "2023-09-13T00:00:00Z"
 }
]
 }
 }
],
 "metadata": [
 {}
]
}
```

---

## Create Product

Creates a new product.

**POST** `https://api.creem.io / https://test-api.creem.io /v1/products`

### Headers

- **x-api-key** - `string` - **required** Your API Key.

### Body ( `application/json` )

- **name** - `string` - **required** Name of the product.
- **price** - `integer` - **required** The price of the product in cents. Required range: `x >= 100` . *Example:* `400` (representing \$4.00)
- **currency** - `string` - **required** Three-letter ISO currency code, in uppercase. Must be a supported currency. *Example:* "EUR"
- **billing\_type** - `string` - **required** Indicates the billing method for the customer. It can either be a `recurring` billing cycle or a `onetime` payment. *Example:* "recurring"
- **description** - `string` Description of the product.
- **image\_url** - `string` URL of the product image. *Example:* "https://picsum.photos/200/300"
- **billing\_period** - `string` Billing period, required if `billing_type` is `recurring`. *Example:* "every-month"
- **features** - `object[]` A list of features for the product. (*Show child attributes*)
- **tax\_mode** - `string` Specifies the tax calculation mode for the transaction. If set to `"inclusive"` , the tax is included in the price. If set to `"exclusive"` , the tax is added on top of the price. *Example:* "inclusive"
- **tax\_category** - `string` Categorizes the type of product or service for tax purposes. This helps determine the applicable tax rules based on the nature of the item or service. *Example:* "saas"
- **default\_success\_url** - `string` The URL to which the user will be redirected after successful payment. *Example:* "https://example.com/?status=successful"

- **custom\_field** - object[] Collect additional information from your customer using custom fields during checkout. Up to 3 fields are supported. *(Show child attributes)*

## Response (200 - application/json)

Successfully created a product.

- **id** - string - **required** Unique identifier for the object.
- **mode** - enum<string> - **required** String representing the environment. Available options: test, live, sandbox.
- **object** - string - **required** String representing the object's type. Objects of the same type share the same value.
- **name** - string - **required** The name of the product.
- **description** - string - **required** A brief description of the product. *Example:* "This is a sample product description."
- **price** - number - **required** The price of the product in cents. 1000 = \$10.00. *Example:* 400
- **currency** - string - **required** Three-letter ISO currency code, in uppercase. Must be a supported currency. *Example:* "EUR"
- **billing\_type** - string - **required** Indicates the billing method for the customer. Either recurring or onetime. *Example:* "recurring"
- **billing\_period** - string - **required** (if billing\_type is recurring) Billing period. *Example:* "every-month"
- **status** - string - **required** Status of the product.
- **tax\_mode** - string - **required** Tax calculation mode (inclusive or exclusive). *Example:* "inclusive"
- **tax\_category** - string - **required** Product tax category. *Example:* "saas"
- **product\_url** - string - **required** The product page you can redirect your customers to for express checkout. *Example:* "https://creem.io/product/prod\_123123123123"
- **created\_at** - string - **required** Creation date of the product (ISO 8601 format). *Example:* "2023-01-01T00:00:00Z"
- **updated\_at** - string - **required** Last updated date of the product (ISO 8601 format). *Example:* "2023-01-01T00:00:00Z"
- **image\_url** - string URL of the product image. Only PNG and JPG are supported. *Example:* "https://example.com/image.jpg"
- **features** - object[] Features of the product. *(Show child attributes)*
- **default\_success\_url** - string The URL to which the user will be redirected after successful payment. *Example:* "https://example.com/?status=successful"

## Examples

JavaScript Request:

```

const options = {
 method: 'POST',
 headers: {
 'x-api-key': '<x-api-key>',
 'Content-Type': 'application/json'
 },
 body: JSON.stringify({
 "name": "<string>",
 "description": "<string>",
 "image_url": "https://picsum.photos/200/300",
 "price": 400,
 "currency": "EUR",
 "billing_type": "recurring",
 "billing_period": "every-month",
 "features": [{
 "id": "<string>",
 "type": "<string>",
 "description": "Get access to discord server."
 }],
 "tax_mode": "inclusive",
 "tax_category": "saas",
 "default_success_url": "https://example.com/?status=successful",
 "custom_field": [{
 "type": "text",
 "key": "<string>",
 "label": "<string>",
 "optional": true,
 "text": {
 "max_length": 123,
 "min_length": 123
 }
 }]
 })
};

fetch('https://api.creem.io/v1/products', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));

```

**Example 200 Response:**



```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "name": "<string>",
 "description": "This is a sample product description.",
 "image_url": "https://example.com/image.jpg",
 "features": [
 {
 "id": "<string>",
 "type": "<string>",
 "description": "Get access to discord server."
 }
],
 "price": 400,
 "currency": "EUR",
 "billing_type": "recurring",
 "billing_period": "every-month",
 "status": "<string>",
 "tax_mode": "inclusive",
 "tax_category": "saas",
 "product_url": "https://creem.io/product/prod_123123123123",
 "default_success_url": "https://example.com/?status=successful",
 "created_at": "2023-01-01T00:00:00Z",
 "updated_at": "2023-01-01T00:00:00Z"
}
```

## Retrieve Product

Retrieves the details of a specific product.

GET `https://api.creem.io / https://test-api.creem.io /v1/products`

### Headers

- **x-api-key** - string - **required** Your API Key.

### Query Parameters

- **product\_id** - string - **required** The unique identifier of the product.

### Response (200 - application/json )

Successfully retrieved the product.

- **id** - string - **required** Unique identifier for the object.
- **mode** - enum<string> - **required** String representing the environment. Available options: `test`, `live`, `sandbox`.
- **object** - string - **required** String representing the object's type. Objects of the same type share the same value.
- **name** - string - **required** The name of the product.
- **description** - string - **required** A brief description of the product. *Example:* "This is a sample product description."
- **price** - number - **required** The price of the product in cents. 1000 = \$10.00. *Example:* 400
- **currency** - string - **required** Three-letter ISO currency code, in uppercase. Must be a supported currency. *Example:* "EUR"
- **billing\_type** - string - **required** Indicates the billing method for the customer. Either `recurring` or `onetime`. *Example:* "recurring"
- **billing\_period** - string - **required** (if `billing_type` is `recurring`) Billing period. *Example:* "every-month"
- **status** - string - **required** Status of the product.
- **tax\_mode** - string - **required** Tax calculation mode (inclusive or exclusive). *Example:* "inclusive"
- **tax\_category** - string - **required** Product tax category. *Example:* "saas"
- **product\_url** - string - **required** The product page you can redirect your customers to for express checkout. *Example:* "https://creem.io/product/prod\_123123123123"
- **created\_at** - string - **required** Creation date of the product (ISO 8601 format). *Example:* "2023-01-01T00:00:00Z"
- **updated\_at** - string - **required** Last updated date of the product (ISO 8601 format). *Example:* "2023-01-01T00:00:00Z"
- **image\_url** - string URL of the product image. Only PNG and JPG are supported. *Example:* "https://example.com/image.jpg"
- **features** - object[] Features of the product. (*Show child attributes*)
- **default\_success\_url** - string The URL to which the user will be redirected after successful payment. *Example:* "https://example.com/?status=successful"

## Examples

### JavaScript Request:

```
const options = {
 method: 'GET',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

// Assuming product_id is used as a query parameter
fetch('https://api.creem.io/v1/products?product_id=<product_id_value>', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

**Example 200 Response:** *(Identical structure to the Create Product response)*

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "name": "<string>",
 "description": "This is a sample product description.",
 "image_url": "https://example.com/image.jpg",
 "features": [
 {
 "id": "<string>",
 "type": "<string>",
 "description": "Get access to discord server."
 }
],
 "price": 400,
 "currency": "EUR",
 "billing_type": "recurring",
 "billing_period": "every-month",
 "status": "<string>",
 "tax_mode": "inclusive",
 "tax_category": "saas",
 "product_url": "https://creem.io/product/prod_123123123123",
 "default_success_url": "https://example.com/?status=successful",
 "created_at": "2023-01-01T00:00:00Z",
 "updated_at": "2023-01-01T00:00:00Z"
}
```

---

## List Products

Retrieves a list of products, likely supporting pagination.

GET `https://api.creem.io` / `https://test-api.creem.io` /v1/products/search

### Headers

- **x-api-key** - string - **required** Your API Key.

### Query Parameters

- **page\_number** - number The page number for pagination.
- **page\_size** - number The number of items per page.

### Response (200 - application/json)

Successfully retrieved products. The response includes a list of product items and pagination details.

- **items** - object[] - **required** List of product items. *(Hide child attributes)*
  - **items.id** - string - **required** Unique identifier for the product object.
  - **items.mode** - enum<string> - **required** Environment (test, live, sandbox).
  - **items.object** - string - **required** Object type.
  - **items.name** - string - **required** Name of the product.
  - **items.description** - string - **required** Brief description. *Example: "This is a sample product description."*
  - **items.price** - number - **required** Price in cents. *Example: 400*
  - **items.currency** - string - **required** Currency code. *Example: "EUR"*
  - **items.billing\_type** - string - **required** Billing type (recurring or onetime). *Example: "recurring"*
  - **items.billing\_period** - string - **required** (if recurring) Billing period. *Example: "every-month"*
  - **items.status** - string - **required** Product status.
  - **items.tax\_mode** - string - **required** Tax mode. *Example: "inclusive"*
  - **items.tax\_category** - string - **required** Tax category. *Example: "saas"*
  - **items.product\_url** - string - **required** Product page URL. *Example: "https://creem.io/product/prod\_123123123123"*
  - **items.created\_at** - string - **required** Creation date. *Example: "2023-01-01T00:00:00Z"*
  - **items.updated\_at** - string - **required** Last updated date. *Example: "2023-01-01T00:00:00Z"*
  - **items.image\_url** - string - Product image URL. *Example: "https://example.com/image.jpg"*
  - **items.features** - object[] - Product features. *(Show child attributes)*
  - **items.default\_success\_url** - string - Default redirect URL after payment. *Example: "https://example.com/?status=successful"*
- **pagination** - object - **required** Pagination details for the list. *(Hide child attributes)*
  - **pagination.total\_records** - number - **required** Total number of records in the list. *Example: 0*
  - **pagination.total\_pages** - number - **required** Total number of pages available. *Example: 0*
  - **pagination.current\_page** - number - **required** The current page number. *Example: 1*
  - **pagination.next\_page** - object (can be number or null) - The next page number, or null if there is no next page. *Example: 2*
  - **pagination.prev\_page** - object (can be number or null) - The previous page number, or null if there is no previous page. *Example: null*

## Examples

### JavaScript Request:

```
const options = {
 method: 'GET',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

// Example with pagination parameters
fetch('https://api.creem.io/v1/products/search?page_number=1&page_size=10', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

### Example 200 Response:

```
{
 "items": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "name": "<string>",
 "description": "This is a sample product description.",
 "image_url": "https://example.com/image.jpg",
 "features": [
 {
 "id": "<string>",
 "type": "<string>",
 "description": "Get access to discord server."
 }
],
 "price": 400,
 "currency": "EUR",
 "billing_type": "recurring",
 "billing_period": "every-month",
 "status": "<string>",
 "tax_mode": "inclusive",
 "tax_category": "saas",
 "product_url": "https://creem.io/product/prod_123123123123",
 "default_success_url": "https://example.com/?status=successful",
 "created_at": "2023-01-01T00:00:00Z",
 "updated_at": "2023-01-01T00:00:00Z"
 }
],
 // ... more product items
},
"pagination": {
 "total_records": 0,
 "total_pages": 0,
 "current_page": 1,
 "next_page": 2,
 "prev_page": null
}
}
```

## Retrieve Customer

Retrieves the details of a specific customer.

GET `https://api.creem.io / https://test-api.creem.io /v1/customers`

### Headers

- **x-api-key** - string - **required** Your API Key.

### Query Parameters

- **customer\_id** - string The unique identifier of the customer.
- **email** - string The unique email of the customer. (*Note: Provide either `customer_id` or `email`*)

### Response (200 - application/json)

Successfully retrieved the customer.

- **id** - string - **required** Unique identifier for the object.
- **mode** - enum<string> - **required** String representing the environment. Available options: `test`, `live`, `sandbox`.
- **object** - string - **required** String representing the object's type. Objects of the same type share the same value.
- **email** - string - **required** Customer email address. *Example:* "user@example.com"
- **country** - string - **required** The ISO alpha-2 country code for the customer. *Example:* "US"
- **created\_at** - string - **required** Creation date of the customer (ISO 8601 format). *Example:* "2023-01-01T00:00:00Z"
- **updated\_at** - string - **required** Last updated date of the customer (ISO 8601 format). *Example:* "2023-01-01T00:00:00Z"

- **name** - string Customer name. *Example:* "John Doe"

## Examples

JavaScript Request (using email):

```
const options = {
 method: 'GET',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

fetch('https://api.creem.io/v1/customers?email=user@example.com', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

Example 200 Response:

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "email": "user@example.com",
 "name": "John Doe",
 "country": "US",
 "created_at": "2023-01-01T00:00:00Z",
 "updated_at": "2023-01-01T00:00:00Z"
}
```

## List Transactions

Retrieves a list of transactions, supporting filtering and pagination.

GET <https://api.creem.io> / <https://test-api.creem.io> /v1/transactions/search

### Headers

- **x-api-key** - string - **required** Your API Key.

### Query Parameters

- **customer\_id** - string Filter by customer ID.
- **order\_id** - string Filter by order ID.
- **product\_id** - string Filter by product ID.
- **page\_number** - number The page number for pagination.
- **page\_size** - number The number of items per page.

### Response (200 - application/json )

Successfully retrieved transactions.

- **items** - object[] - **required** List of transactions items. *(Hide child attributes)*
  - **items.id** - string - **required** Unique identifier for the transaction object.
  - **items.mode** - enum<string> - **required** Environment (test, live, sandbox).
  - **items.object** - string - **required** Object type.
  - **items.amount** - number - **required** The transaction amount in cents. 1000 = \$10.00. *Example:* 2000
  - **items.amount\_paid** - number - **required** The amount the customer paid in cents. 1000 = \$10.00. *Example:* 2000
  - **items.currency** - string - **required** Three-letter ISO currency code. *Example:* "EUR"
  - **items.type** - string - **required** The type of transaction. payment (one time payments) and invoice (subscription).
  - **items.tax\_country** - string - **required** The ISO alpha-2 country code where tax is collected. *Example:* "US"
  - **items.tax\_amount** - number - **required** The sale tax amount in cents. 1000 = \$10.00. *Example:* 2000
  - **items.status** - string - **required** Status of the transaction.
  - **items.refunded\_amount** - number - **required** The amount that has been refunded in cents. 1000 = \$10.00. *Example:* 2000
  - **items.created\_at** - number - **required** (Note: Type likely timestamp or string, example shows number) Creation date of the order as timestamp. *Example:* 123

- **items.order** - object The order associated with the transaction.
- **items.subscription** - object The subscription associated with the transaction.
- **items.customer** - object The customer associated with the transaction.
- **items.description** - string The description of the transaction.
- **items.period\_start** - number (Note: Type likely timestamp or string, example shows number) Start period for the invoice as timestamp. Example: 123
- **items.period\_end** - number (Note: Type likely timestamp or string, example shows number) End period for the invoice as timestamp. Example: 123
- **pagination** - object -required Pagination details for the list. (Hide child attributes)
  - **pagination.total\_records** - number -required Total number of records. Example: 0
  - **pagination.total\_pages** - number -required Total number of pages. Example: 0
  - **pagination.current\_page** - number -required Current page number. Example: 1
  - **pagination.next\_page** - object (number or null) Next page number or null. Example: 2
  - **pagination.prev\_page** - object (number or null) Previous page number or null. Example: null

## Examples

### JavaScript Request:

```
const options = {
 method: 'GET',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

// Example with filter and pagination
fetch('https://api.creem.io/v1/transactions/search?customer_id=<customer_id>&page_number=1&page_size=20', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

### Example 200 Response:

```
{
 "items": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "amount": 2000,
 "amount_paid": 2000,
 "currency": "EUR",
 "type": "<string>",
 "tax_country": "US",
 "tax_amount": 2000,
 "status": "<string>",
 "refunded_amount": 2000,
 "order": {},
 "subscription": {},
 "customer": {},
 "description": "<string>",
 "period_start": 123,
 "period_end": 123,
 "created_at": 123
 }
 // ... more transaction items
],
 "pagination": {
 "total_records": 0,
 "total_pages": 0,
 "current_page": 1,
 "next_page": 2,
 "prev_page": null
 }
}
```

# Retrieve Subscription

Retrieves the details of a specific subscription.

GET `https://api.creem.io / https://test-api.creem.io /v1/subscriptions`

## Headers

- **x-api-key** - string - **required** Your API Key.

## Query Parameters

- **subscription\_id** - string - **required** The unique identifier of the subscription.

## Response (200 - application/json )

Successfully retrieved the subscription.

- **id** - string - **required** Unique identifier for the object.
- **mode** - enum<string> - **required** Environment ( test , live , sandbox ).
- **object** - string - **required** Object type.
- **product** - object - **required** The product associated with the subscription.
- **customer** - object - **required** The customer who owns the subscription.
- **collection\_method** - string - **required** The method used for collecting payments ( charge\_automatically , etc.). *Example:* "charge\_automatically"
- **status** - enum<string> - **required** Current status ( active , canceled , unpaid , paused , trialing ). *Example:* "active"
- **created\_at** - string - **required** Date and time subscription was created (ISO 8601). *Example:* "2024-01-01T00:00:00Z"
- **updated\_at** - string - **required** Date and time subscription was last updated (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **items** - object[] Subscription items. (*Show child attributes*)
- **last\_transaction\_id** - string The ID of the last paid transaction. *Example:* "tran\_3e6Z6TzvHKdsjEgXnGDEp0"
- **last\_transaction\_date** - string Date of the last paid transaction (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **next\_transaction\_date** - string Date when the next subscription transaction will be charged (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **current\_period\_start\_date** - string Start date of the current subscription period (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **current\_period\_end\_date** - string End date of the current subscription period (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **canceled\_at** - string Date and time subscription was canceled, if applicable (ISO 8601). *Example:* "2024-09-12T12:34:56Z"

## Examples

JavaScript Request:

```
const options = {
 method: 'GET',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

fetch('https://api.creem.io/v1/subscriptions?subscription_id=<subscription_id_value>', options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

Example 200 Response:

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "product": {},
 "customer": {},
 "items": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "product_id": "<string>",
 "price_id": "<string>",
 "units": 123
 }
],
 "collection_method": "charge_automatically",
 "status": "active",
 "last_transaction_id": "tran_3e6Z6TzvHKdsjEgXnGDp0",
 "last_transaction_date": "2024-09-12T12:34:56Z",
 "next_transaction_date": "2024-09-12T12:34:56Z",
 "current_period_start_date": "2024-09-12T12:34:56Z",
 "current_period_end_date": "2024-09-12T12:34:56Z",
 "canceled_at": "2024-09-12T12:34:56Z",
 "created_at": "2024-01-01T00:00:00Z",
 "updated_at": "2024-09-12T12:34:56Z"
}
```

## Update Subscription

Updates an existing subscription, allowing changes to items.

**POST** `https://api.creem.io / https://test-api.creem.io /v1/subscriptions/{id}`

### Headers

- **x-api-key** - string - **required** Your API Key.

### Path Parameters

- **id** - string - **required** The identifier of the subscription to update.

### Body ( application/json )

- **items** - object[] List of subscription items to update/create. If no item ID is provided, the item will be created. *(Show child attributes)*
- **update\_behavior** - enum<string> - Default: proration-charge The update behavior for the subscription (defaults to proration). Available options: proration-charge-immediately, proration-charge, proration-none.

### Response ( 200 - application/json )

Successfully updated the subscription. The response format is identical to the "Retrieve Subscription" endpoint.

*(See "Retrieve Subscription" Response section for field details)*

## Examples

**JavaScript Request:**



```
const options = {
 method: 'POST',
 headers: {
 'x-api-key': 'x-api-key',
 'Content-Type': 'application/json'
 },
 body: JSON.stringify({
 "items": [{
 "id": "<string>", // Optional: omit to create new, provide to update existing
 "product_id": "<string>",
 "price_id": "<string>",
 "units": 123
 }],
 "update_behavior": "proration-charge"
 })
};

const subscriptionId = '<subscription_id_value>';
fetch(`https://api.creem.io/v1/subscriptions/${subscriptionId}`, options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

**Example 200 Response:** *(Identical structure to the Retrieve Subscription response)*

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 // ... other subscription fields ...
 "items": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "product_id": "<string>",
 "price_id": "<string>",
 "units": 123
 }
]
 // ... potentially updated/new items ...
},
// ... other subscription fields ...
"updated_at": "2024-09-12T12:34:56Z" // Reflects update time
}
```

## Upgrade Subscription

Upgrades a subscription to a different product.

**POST** <https://api.creem.io> / <https://test-api.creem.io> /v1/subscriptions/{id}/upgrade

### Headers

- **x-api-key** - string - **required** Your API Key.

### Path Parameters

- **id** - string - **required** The identifier of the subscription to upgrade.

### Body ( application/json )

- **product\_id** - string - **required** The ID of the product to upgrade to. *Example:* "prod\_123"
- **update\_behavior** - enum<string> - Default: proration-charge-immediately The update behavior for the subscription (defaults to proration-charge-immediately)

immediately). Available options: `proration-charge-immediately`, `proration-charge`, `proration-none`.

## Response (200 - application/json)

Successfully upgraded the subscription. The response format is identical to the "Retrieve Subscription" endpoint, reflecting the changes.

(See "Retrieve Subscription" Response section for field details)

## Examples

### JavaScript Request:

```
const options = {
 method: 'POST',
 headers: {
 'x-api-key': '<x-api-key>',
 'Content-Type': 'application/json'
 },
 body: JSON.stringify({
 "product_id": "prod_123",
 "update_behavior": "proration-charge-immediately"
 })
};

const subscriptionId = '<subscription_id_value>';
fetch(`https://api.creem.io/v1/subscriptions/${subscriptionId}/upgrade`, options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

**Example 200 Response:** (Identical structure to the Retrieve Subscription response, but product/items would reflect the upgrade)

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "product": { /* Details of prod_123 */ },
 "customer": {},
 "items": [
 {
 "id": "<new_item_id>", // Item might change ID
 "mode": "test",
 "object": "<string>",
 "product_id": "prod_123", // Reflects new product
 "price_id": "<price_id_for_prod_123>", // Reflects new price
 "units": 123 // Or updated units if applicable
 }
],
 // ... other subscription fields ...
 "updated_at": "2024-09-12T12:34:56Z" // Reflects upgrade time
}
```

---

## Cancel Subscription

Cancels an active subscription.

**POST** `https://api.creem.io` / `https://test-api.creem.io` `/v1/subscriptions/{id}/cancel`

### Headers

- `x-api-key` - string - **required** Your API Key.

### Path Parameters

- **id** - string - **required** The identifier of the subscription to cancel.

## Response (200 - application/json)

Successfully canceled a subscription. The response format is identical to the "Retrieve Subscription" endpoint, reflecting the canceled status and **canceled\_at** timestamp.

- **id** - string - **required** Unique identifier for the object.
- **mode** - enum<string> - **required** Environment ( **test**, **live**, **sandbox** ).
- **object** - string - **required** Object type.
- **product** - object - **required** The product associated with the subscription.
- **customer** - object - **required** The customer who owns the subscription.
- **collection\_method** - string - **required** Payment collection method. *Example:* "charge\_automatically"
- **status** - enum<string> - **required** Current status (will be canceled ). *Example:* "canceled"
- **created\_at** - string - **required** Creation date (ISO 8601). *Example:* "2024-01-01T00:00:00Z"
- **updated\_at** - string - **required** Last updated date (reflecting cancellation) (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **items** - object[] Subscription items. (*Hide child attributes*)
  - **items.id** - string - **required** Unique identifier for the item object.
  - **items.mode** - enum<string> - **required** Environment ( **test**, **live**, **sandbox** ).
  - **items.object** - string - **required** Object type.
  - **items.product\_id** - string ID of the product associated with the item.
  - **items.price\_id** - string ID of the price associated with the item.
  - **items.units** - number Number of units for the item.
- **last\_transaction\_id** - string ID of the last paid transaction. *Example:* "tran\_3e6Z6TzvHKdsjEgXnGDp0"
- **last\_transaction\_date** - string Date of the last paid transaction (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **next\_transaction\_date** - string (likely null after cancellation) Date of the next scheduled transaction (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **current\_period\_start\_date** - string Start date of the period when cancelled (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **current\_period\_end\_date** - string End date of the period when cancelled (ISO 8601). *Example:* "2024-09-12T12:34:56Z"
- **canceled\_at** - string - **required** Date and time subscription was canceled (ISO 8601). *Example:* "2024-09-12T12:34:56Z"

## Examples

### JavaScript Request:

```
const options = {
 method: 'POST',
 headers: {
 'x-api-key': '<x-api-key>'
 }
};

const subscriptionId = '<subscription_id_value>';
fetch(`https://api.creem.io/v1/subscriptions/${subscriptionId}/cancel`, options)
 .then(response => response.json())
 .then(response => console.log(response))
 .catch(err => console.error(err));
```

### Example 200 Response:

```
{
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "product": {},
 "customer": {},
 "items": [
 {
 "id": "<string>",
 "mode": "test",
 "object": "<string>",
 "product_id": "<string>",
 "price_id": "<string>",
 "units": 123
 }
],
 "collection_method": "charge_automatically",
 "status": "canceled", // Status reflects cancellation
 "last_transaction_id": "tran_3e6Z6TzvHKdsjEgXnGDEp0",
 "last_transaction_date": "2024-09-12T12:34:56Z",
 "next_transaction_date": "2024-09-12T12:34:56Z", // Or null
 "current_period_start_date": "2024-09-12T12:34:56Z",
 "current_period_end_date": "2024-09-12T12:34:56Z",
 "canceled_at": "2024-09-12T12:34:56Z", // Timestamp of cancellation
 "created_at": "2024-01-01T00:00:00Z",
 "updated_at": "2024-09-12T12:34:56Z" // Reflects cancellation time
}
```

---

...