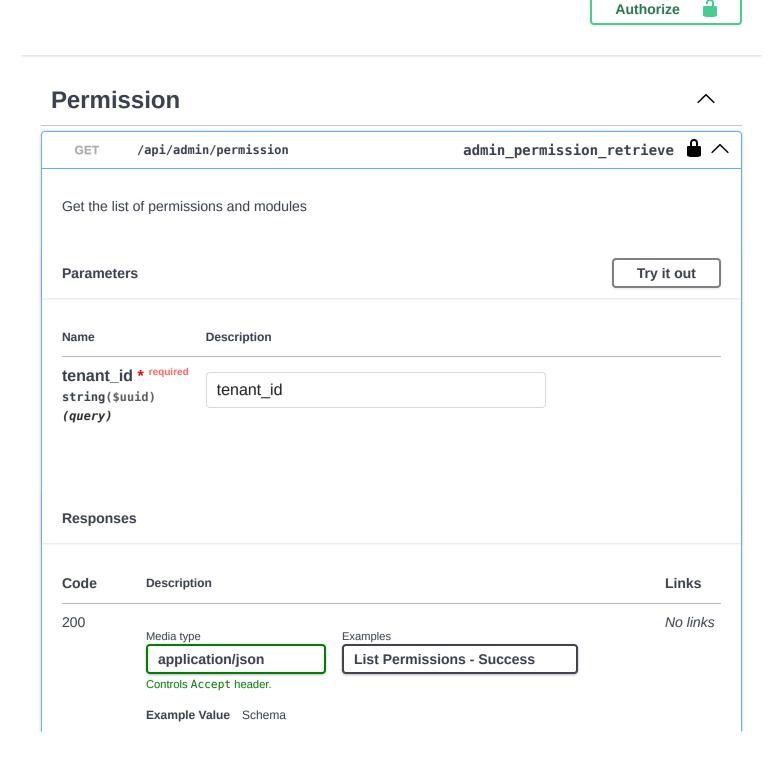
# **Inventory Management System(IMS)**

This Django-based Inventory Management System (IMS) is a scalable, multi-tenant backend application built to manage inventory operations across multiple tenants. It supports fine-grained access control, optimized API routing, and production-ready deployment with Docker and Nginx.



Code **Description** Links

```
"data": [
    "name": "View User";
    "code": "view user",
    "module": "User",
"action": "view",
"permission_id": "9d018a56-abd9-4dfd-b606-80ce3ba8f53f"
],
"errors": null,
"messages": null,
"status_code": 200,
"is_success": true
```

401 No links

Media type

Examples

application/json

**401** Unauthorized

Example Value Schema

```
"data": null,
  "errors": {
   "code": "UNAUTHORIZED",
   "message": "Unauthorized Access."
 "status_code": 401,
 "is_success": false
}
```

404 No links

Media type

Examples

application/json

**404 Not Found** 

Example Value Schema

```
"data": null,
  "errors": {
   "code": "NO DATA FOUND",
   "message": "No Data Found."
  "status_code": 404,
  "is_success": false
}
```

**POST** /api/admin/permission admin\_permission\_create  $extbf{\underline}$  \tag{\tag{N}}



Handles the object creation process, including validation, data enrichment, database persistence, and response generation.

Args: request (Request): The HTTP request containing input data.

Returns: Response: A success response with the created object(s) or an error message if validation fails. **Parameters** Try it out No parameters Request body required application/json Example Value Schema "tenant\_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6" Responses Links Code **Description** 201 No links Media type Examples application/json **Create Permission - Success** Controls Accept header. Example Value Schema "data": null, "errors": null, "messages": {
 "message": "Created Successfully." "is\_success": true No links 400 Media type application/json Example Value Schema "data": "string", "errors": [ "code": "string",

"message": "string",
"field": "string"

```
Code
           Description
                                                                                 Links
              "status_code": 400,
             "is_success": false
401
                                                                                 No links
           Media type
                                      Examples
                                       401 Unauthorized
            application/json
           Example Value Schema
              "data": null,
              "errors": {
               "code": "UNAUTHORIZED",
               "message": "Unauthorized Access."
             "is_success": false
404
                                                                                 No links
           Media type
                                      Examples
                                       404 Not Found
            application/json
           Example Value Schema
             "data": null,
              "errors": {
               "code": "NO DATA_FOUND",
               "message": "No Data Found."
             "is_success": false
```

# **Authentication**

^

POST /api/auth/admin/login

auth\_admin\_login\_create



Handles the object creation process, including validation, data enrichment, database persistence, and response generation.

Args: request (Request): The HTTP request containing input data.

Returns: Response: A success response with the created object(s) or an error message if validation fails.

**Parameters** 

Try it out

No parameters

# Request body required

application/json

```
Example Value Schema
```

```
{
  "username": "user@example.com",
  "password": "string"
}
```

# Responses

Code Description Links

201 No links

Media type

Examples

# application/json

**Login Successful** 

Controls Accept header.

Example Value Schema

```
{
  "data": {
    "token": "BABD5D130CB04C05717D5D22635BBE4D",
    "created_dtm": "2025-04-18T07:25:20.135018Z"
},
  "errors": null,
  "messages": {
    "message": "Logged in successful."
},
  "status_code": 201,
  "is_success": true
}
```

400 No links

Media type

Examples

# application/json

**400 Bad Request** 

```
Code
           Description
                                                                                   Links
              "status_code": 400,
              "is_success": false
401
                                                                                   No links
           Media type
                                      Examples
             application/json
                                        401 WrongCredentials
           Example Value Schema
              "data": null,
              "errors": {
                "code": "UNAUTHORIZED",
               "message": "Unauthorized Access."
              "is_success": false
                                                       /api/auth/admin/logout
DELETE
Handle user logout by deleting the token associated with the user.
Parameters
                                                                                Try it out
No parameters
Responses
Code
           Description
                                                                                   Links
204
                                                                                   No links
           Media type
                                      Examples
             application/json
                                        Logout Successful
           Controls Accept header.
           Example Value Schema
              "data": null,
              "errors": null,
              "messages": {
   "message": "Logged out successfully."
              },
```

```
Code
             Description
                                                                                               Links
                "status_code": 204,
                "is_success": true
401
                                                                                               No links
             Media type
                                            Examples
               application/json
                                              401 WrongCredentials
             Example Value Schema
                "data": null,
                "errors": {
                  "code": "UNAUTHORIZED",
                 "message": "Unauthorized Access."
                },
"status_code": 401,
"status_codess": false
                "is_success": false
```

# **Monitor**

**GET** 



/api/health

health\_retrieve 🔓 🔨



This API will return the system health details.

**Parameters** 

Try it out

Links

No parameters

# Responses

Code

200 No links

Media type

**Description** 

application/json

Controls Accept header.

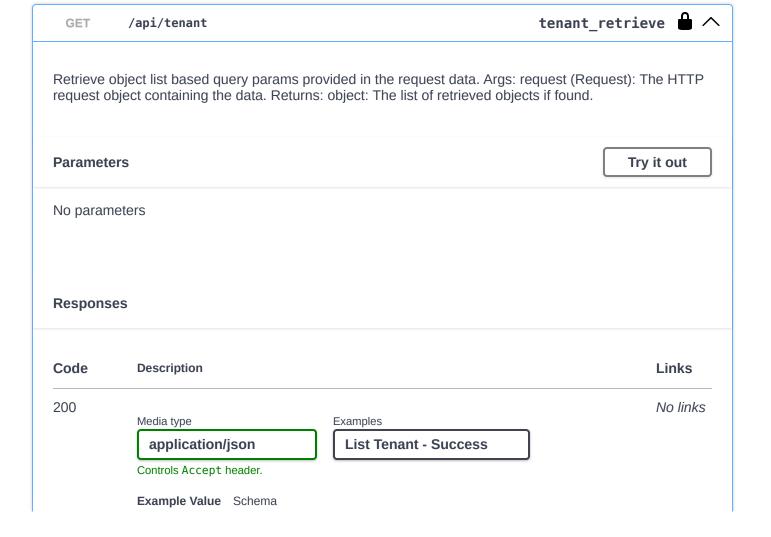
Example Value Schema

"data": {



```
Code
                                                                                              Links
             Description
                  "cpu": {
                    "percent_per_core": "string",
                    "percent_total": "string",
                    "count_logical": 0,
                    "count_physical": 0,
                    "frequency_current": "string",
                    "frequency_min": "string",
                    "frequency_max": "string",
                    "times_user": "string",
                    "times_system": "string",
                    "times_idle": "string"
                  },
"disk": {
                    "total": "string",
"used": "string",
"free": "string",
                    "percent": "string",
                    "read_count": 0,
                    "write_count": 0
                  "percent": "string",
                    "total": "string",
                    "used": "string",
"free": "string",
```

# **Tenant**



Code **Description** Links

```
"data": {
  "list": [
      "tenant_id": "f2e92c48-42c2-4a84-a5df-128471fba810",
      "tenant_code": "NEOSOFT",
"tenant_name": "NeoSoft Technologies"
  ],
"pagination": {
    "count": 1,
    "page_size": 1,
    "current_page": 1,
    "total pages": 1
},
"errors": null,
"messages": null,
"status_code": 200,
"is_success": true
```

401 No links

Media type

Examples

application/json

**401** Unauthorized

Example Value Schema

```
"data": null,
 "errors": {
   "code": "UNAUTHORIZED",
   "message": "Unauthorized Access."
 "status_code": 401,
 "is_success": false
}
```

404 No links

Media type

Examples

application/json

**404 Not Found** 

```
"data": null,
 "errors": {
   "code": "NO DATA FOUND",
   "message": "No Data Found."
 "status_code": 404,
 "is_success": false
}
```

Handles the object creation process, including validation, data enrichment, database persistence, and response generation.

Args: request (Request): The HTTP request containing input data.

Returns: Response: A success response with the created object(s) or an error message if validation fails.

### **Parameters**

Try it out

No parameters

Request body required

application/json

### Example Value Schema

```
{
  "tenant_code": "string",
  "tenant_name": "string"
}
```

# Responses

### Code Description

Links

No links

201 Media type

Examples

# application/json

**Create Tenant - Success** 

Controls Accept header.

Example Value Schema

```
{
  "data": {
    "tenant_id": "f2e92c48-42c2-4a84-a5df-128471fba810",
    "tenant_code": "NEOSOFT",
    "tenant_name": "NeoSoft Technologies"
},
  "errors": null,
  "messages": {
    "message": "Created Successfully."
},
  "status_code": 201,
  "is_success": true
}
```

400

No links

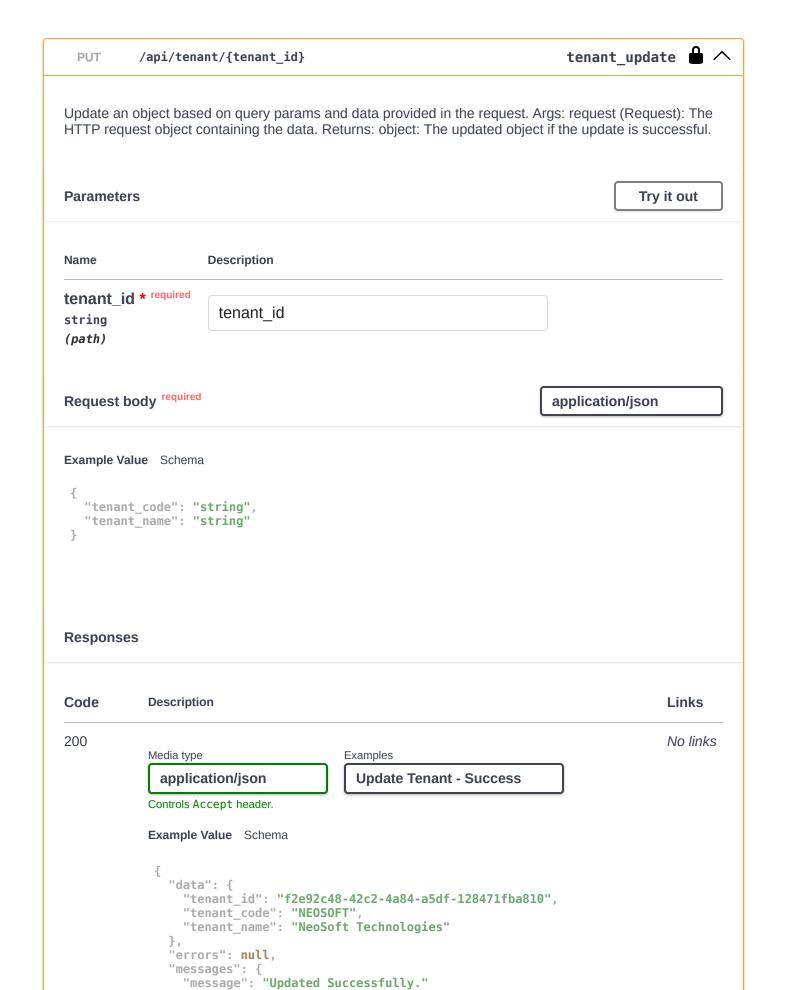
Code **Description** Links **400 Bad Request** application/json Example Value Schema "data": null, "errors": [ "code": "INVALID", "message": "Invalid data.", "field": "field\_name" ], "status\_code": 400, "is\_success": false 401 No links Media type Examples application/json **401 Unauthorized** Example Value Schema "data": null, "errors": { "code": "UNAUTHORIZED", "message": "Unauthorized Access." "is\_success": false tenant\_retrieve\_2  $\stackrel{\triangle}{=}$   $^{\wedge}$ **GET** /api/tenant/{tenant\_id} Retrieve an object based on the ID provided in the request data. Args: request (Request): The HTTP request object containing the data. Returns: object: The retrieved object if found. **Parameters** Try it out

Name Description

tenant\_id \* required
string
(path)

tenant\_id

# Code Links **Description** 200 No links Media type Examples application/json Get Tenant by Id - Success Controls Accept header. Example Value Schema "data": { "tenant\_id": "f2e92c48-42c2-4a84-a5df-128471fba810", "tenant\_code": "NEOSOFT", "tenant\_name": "NeoSoft Technologies" "messages": null, "status\_code": 200, "is\_success": true 401 No links Media type Examples application/json **401 Unauthorized** Example Value Schema "data": null, "errors": { "code": "UNAUTHORIZED", "message": "Unauthorized Access." "is\_success": false 404 No links Media type Examples application/json **404 Not Found** Example Value Schema "data": null, "errors": { "code": "NO\_DATA\_FOUND", "message": "No Data Found." "is\_success": false



"status\_code": 200,

Code **Description** Links "is\_success": true

400

No links

Media type

Examples

# application/json

**400 Bad Request** 

Example Value Schema

```
"data": null,
"errors": [
   "code": "INVALID"
   "message": "Invalid data.",
   "field": "field_name"
"is_success": false
```

401 Media type

No links Examples

# application/json

**401** Unauthorized

Example Value Schema

```
"data": null,
"errors": {
 "code": "UNAUTHORIZED",
 "message": "Unauthorized Access."
"is_success": false
```

404

Media type

application/json

**404 Not Found** 

Example Value Schema

```
"data": null,
"errors": {
  "code": "NO_DATA_FOUND",
  "message": "No Data Found."
},
"status_code": 404,
"status_code": false
"is_success": false
```

No links

Update an object based on query params and data provided in the request. Args: request (Request): The HTTP request object containing the data. Returns: object: The updated object if the update is successful.

### **Parameters**

Name

(path)

Try it out

tenant\_id \* required string

tenant id

Description

Request body

application/json

### Example Value Schema

```
"tenant_code": "string",
"tenant_name": "string"
```

# Responses

#### Code **Description**

Links

200

No links

Media type

**Update Tenant - Success** application/json

Examples

Controls Accept header.

```
"data": {
 "tenant_id": "f2e92c48-42c2-4a84-a5df-128471fba810",
 "tenant_code": "NEOSOFT",
 "tenant_name": "NeoSoft Technologies"
"errors": null,
"messages": {
 "message": "Updated Successfully."
"is_success": true
```

Code **Description** Links

400 No links

Media type

Examples

application/json

**400 Bad Request** 

Example Value Schema

```
"data": null,
"errors": [
   "code": "INVALID",
    "message": "Invalid data.",
   "field": "field_name"
 }
"status_code": 400,
"is_success": false
```

401 No links

Media type

Examples

application/json

**401** Unauthorized

Example Value Schema

```
"data": null,
"errors": {
 "code": "UNAUTHORIZED",
 "message": "Unauthorized Access."
"status_code": 401,
"is_success": false
```

404 No links

Media type

Examples

application/json

**404 Not Found** 

```
"data": null,
"errors": {
 "code": "NO_DATA_FOUND",
 "message": "No Data Found."
"status_code": 404,
"is_success": false
```

Handles the object deletion process.

This method retrieves the object based on the lookup field and performs soft deletion by default. It allows customization of deletion behavior through the Manager class.

Args: request (Request): The HTTP request containing relevant parameters. \*\*kwargs: Additional keyword arguments, including the lookup field value.

Returns: Response: A success response if deletion is successful.

Raises: NoDataFoundError: If the required lookup parameter is missing.

### **Parameters**

Name

string
(path)

Try it out

tenant\_id \* required

tenant\_id

Description

# Responses

# Code Description

Links

No links

204

Media type

Examples

application/json

**Delete Tenant - Success** 

Controls Accept header.

Example Value Schema

```
"data": null,
  "errors": null,
  "messages": {
      "message": "Deleted Successfully."
},
  "status_code": 204,
  "is_success": true
}
```

401

No links

Media type

application/json

Examples

**401 Unauthorized** 

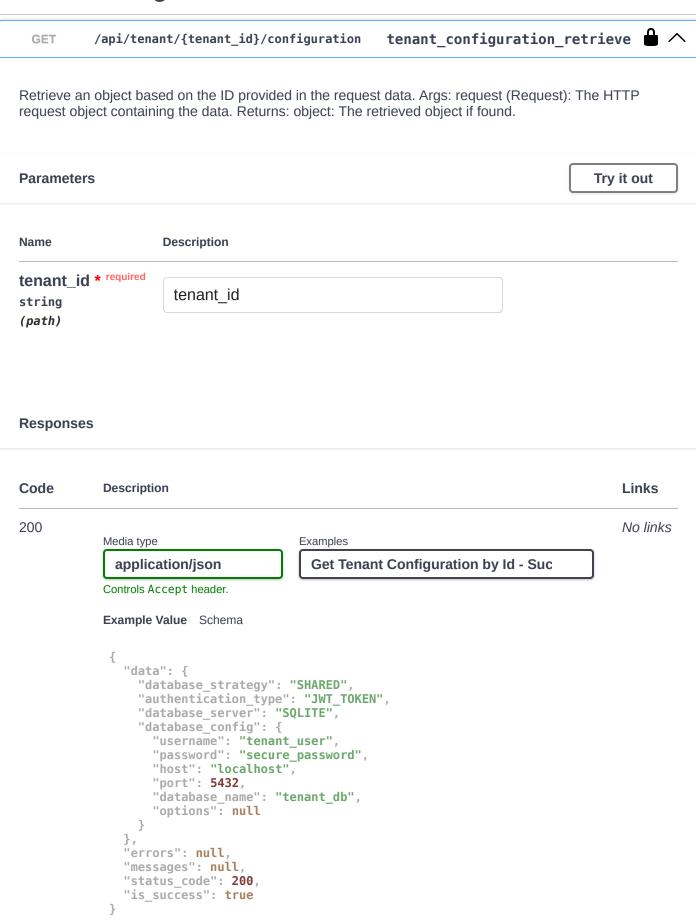
```
Code
          Description
                                                                             Links
             "data": null,
             "errors": {
              "code": "UNAUTHORIZED",
               "message": "Unauthorized Access."
             "is_success": false
404
                                                                             No links
          Media type
                                   Examples
            application/json
                                     404 Not Found
          Example Value Schema
             "data": null,
             "errors": {
              "code": "NO DATA FOUND",
              "message": "No Data Found."
             "is_success": false
```

# **Tenant Details**



Code Description Links 200 No links Examples Media type application/json **Get Tenant Domain Configuration by** Controls Accept header. Example Value Schema "data": {
 "host": "localhost:8000", "base\_path": "api",
"sub\_domain": "ami", "api host": "http://ami.localhost:8000" },
"errors": null,
"ages": nul "messages": null, "status\_code": 200, "is\_success": true 401 No links Media type Examples **401 Unauthorized** application/json Example Value Schema "data": null, "errors": { "code": "UNAUTHORIZED", "message": "Unauthorized Access." "is\_success": false 404 No links Media type Examples application/json **404 Not Found** Example Value Schema "data": null, "errors": { "code": "NO\_DATA\_FOUND", "message": "No Data Found." 

"is\_success": false



Code **Description** Links 401 No links Media type Examples application/json **401** Unauthorized Example Value Schema "data": null, "errors": { "code": "UNAUTHORIZED", "message": "Unauthorized Access." "status\_code": 401, "is\_success": false 404 No links Media type Examples application/json **404 Not Found** Example Value Schema "data": null, "errors": { "code": "NO DATA FOUND", "message": "No Data Found." "status\_code": 404, "is\_success": false tenant\_configuration\_create  $\blacksquare$   $\land$ /api/tenant/{tenant\_id}/configuration POST Handles the object creation process, including validation, data enrichment, database persistence, and response generation. Args: request (Request): The HTTP request containing input data. Returns: Response: A success response with the created object(s) or an error message if validation fails.

Try it out

**Parameters** 

Name Description

```
tenant_id * required
string
(path)
```

tenant\_id

Request body required

application/json

```
Example Value Schema
```

```
{
  "authentication_type": "TOKEN",
  "database_strategy": "SHARED",
  "database_server": "SQLITE",
  "database_config": {
      "password": "string",
      "username": "string",
      "host": "string",
      "port": 0,
      "options": "string",
      "database_name": "string"
}
```

# Responses

Code Description

Links

No links

201

Media type

Examples

application/json

**Create Tenant Configuration - Succe** 

Controls Accept header.

```
"data": {
   "database_strategy": "SHARED",
   "authentication_type": "JWT_TOKEN",
   "database_server": "SQLITE",
   "database_config": {
        "username": "tenant_user",
        "password": "secure_password",
        "host": "localhost",
        "port": 5432,
        "database_name": "tenant_db",
        "options": null
    }
},
"errors": null,
```

```
Code
           Description
                                                                                  Links
              "messages": {
               "message": "Created Successfully."
              "status_code": 201,
              "is_success": true
400
                                                                                  No links
           Media type
                                      Examples
             application/json
                                       400 Bad Request
           Example Value Schema
              "data": null,
              "errors": [
                 "code": "INVALID"
                  "message": "Invalid data.",
                  "field": "field_name"
              "is_success": false
401
                                                                                  No links
           Media type
                                      Examples
             application/json
                                       401 Unauthorized
           Example Value Schema
              "data": null,
              "errors": {
               "code": "UNAUTHORIZED",
               "message": "Unauthorized Access."
             "is_success": false
```

User

 $\wedge$ 

GET /api/user/company-admin

user\_company\_admin\_retrieve



Retrieve object list based query params provided in the request data. Args: request (Request): The HTTP request object containing the data. Returns: object: The list of retrieved objects if found.

**Parameters** 

Try it out

Description Name first\_name first\_name string (query) last name last name string (query) Default value: 1 page integer 1 (query) Default value: 10 page\_size integer 10 (query) role id • **SUPER ADMIN** - Super Admin string • **COMPANY ADMIN** - Company Admin (query) MANAGER - Manager • **OPERATOR** - Operator Available values: SUPER\_ADMIN, COMPANY\_ADMIN, MANAGER, **OPERATOR** Default value: COMPANY ADMIN **COMPANY ADMIN** tenant id tenant\_id string(\$uuid) (query)

# Responses

Code	Description		Links
200	Media type  application/json	Examples  List User - Success	No links
	Controls Accept header.	List osci - success	
	Example Value Schema		
	{ "data": {		

Code

```
"list": [
         "email": "user@example.com",
         "user_id": "9d018a56-abd9-4dfd-b606-80ce3ba8f53f",
         "profile_photo": "https://cdn.example.com/photos/user.jp
g",
        "phone_number": 9876543210,
"first_name": "John",
"last_name": "Doe",
        "full_name": "John Doe"
    ],
    "pagination": {
      "count": 1,
      "page_size": 1,
      "current_page": 1,
      "total pages": 1
  },
  "errors": null,
  "messages": null,
  "status_code": 200,
  "is_success": true
```

401

Media type

Examples

application/json

**401 Unauthorized** 

Example Value Schema

```
"data": null,
  "errors": {
   "code": "UNAUTHORIZED",
   "message": "Unauthorized Access."
 "status_code": 401,
 "is_success": false
}
```

404

No links

No links

Media type

application/json

Examples

**404 Not Found** 

Example Value Schema

/api/user/company-admin

```
"data": null,
  "errors": {
   "code": "NO_DATA_FOUND",
   "message": "No Data Found."
  "status_code": 404,
  "is_success": false
}
```

Handles the object creation process, including validation, data enrichment, database persistence, and response generation.

Args: request (Request): The HTTP request containing input data.

Returns: Response: A success response with the created object(s) or an error message if validation fails.

### **Parameters**

Try it out

No parameters

Request body required

application/json

# Example Value Schema

```
{
  "email": "user@example.com",
  "phone_number": 0,
  "role_id": "COMPANY_ADMIN",
  "last_name": "string",
  "first_name": "string",
  "profile_photo": "string",
  "password": "string",
  "tenant_id": "3fa85f64-5717-4562-b3fc-2c963f66afa6"
}
```

### Responses

# Code Description Links

201 No links

Media type

Examples

application/json Create User - Success

Controls Accept header.

```
"data": {
   "email": "user@example.com",
   "user_id": "9d018a56-abd9-4dfd-b606-80ce3ba8f53f",
   "profile_photo": "https://cdn.example.com/photos/user.jpg",
   "phone_number": 9876543210,
   "first_name": "John",
   "last_name": "Doe",
   "full_name": "John Doe"
},
"errors": null,
```

```
Code
           Description
                                                                                 Links
              "messages": {
               "message": "Created Successfully."
             "status_code": 201,
             "is_success": true
400
                                                                                 No links
           Media type
                                     Examples
            application/json
                                       400 Bad Request
           Example Value Schema
             "data": null,
              "errors": [
                 "code": "INVALID"
                 "message": "Invalid data.",
                 "field": "field_name"
             "is_success": false
401
                                                                                 No links
           Media type
                                     Examples
            application/json
                                       401 Unauthorized
           Example Value Schema
             "data": null,
              "errors": {
               "code": "UNAUTHORIZED",
               "message": "Unauthorized Access."
             "is_success": false
```

# **User Profile**

**GET** /api/user/super-admin/profile user\_super\_admin\_profile\_retrieve



Retrieve the user profile information.

**Parameters** 

Try it out

# Responses

Code Description Links

200 No links

Media type

Examples

### application/json

Get User by Id - Success

Controls Accept header.

Example Value Schema

```
{
  "data": {
    "email": "user@example.com",
    "user_id": "9d018a56-abd9-4dfd-b606-80ce3ba8f53f",
    "profile_photo": "https://cdn.example.com/photos/user.jpg",
    "phone_number": 9876543210,
    "first_name": "John",
    "last_name": "Joe",
    "full_name": "John Doe"
},
  "errors": null,
  "messages": null,
  "status_code": 200,
  "is_success": true
}
```

401 No links

Media type

Examples

### application/json

**401 Unauthorized** 

Example Value Schema

```
{
  "data": null,
  "errors": {
     "code": "UNAUTHORIZED",
     "message": "Unauthorized Access."
},
  "status_code": 401,
  "is_success": false
}
```

404 No links

Media type

Examples

application/json

**404 Not Found** 

Code Description Links

```
"data": null,
"errors": {
    "code": "NO_DATA_FOUND",
    "message": "No Data Found."
},
"status_code": 404,
"is_success": false
}
```