ANSCER ANYA

ANSCER ANYA is a software solution designed to manage and automate material transport in warehouses and industries for ANSCER ROBOTS. This is designed to provide organizations/individuals with full visibility and control over their ANSCER ROBOTS, enabling them to streamline their material transport operations, reduce manual labor, and improve overall efficiency. The solution is highly scalable and customizable, allowing organizations to tailor it to their specific needs. With ANSCER ANYA, organizations can optimize their material transport processes and maximize the productivity of their ANSCER ROBOTS.

AUTHORIZATION API Key

Key	x-auth-token
Value	{{x-auth-token}}

Users

The Users collection is a set of API requests that allow you to manage user accounts for ANSCER ANYA, with two categories of users: admin and user. The collection includes endpoints for creating new user accounts, retrieving user data, updating user information, and deleting user accounts.

Admins have access to all of the features of ANSCER ANYA, including the ability to manage user accounts, view analytics, and configure system settings. Users have restricted access and can only view and interact with resources that are assigned to them.

With these requests, you can easily manage user accounts and access control for ANSCER ANYA, ensuring that only authorized users have access to the system and that each user has the appropriate level of access. The collection is designed to be easy to use, with clear descriptions for each endpoint and example requests provided for each request.

Whether you need to add new users, update existing user information, or delete user accounts, the Users collection provides a simple and efficient way to manage user accounts for ANSCER ANYA, with clear differentiation of access levels for admins and users.

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

POST Create User

http://{{address}}:{{port}}/api/{{version}}/users/

The Create User request allows you to create a new user account for ANSCER ANYA. This request takes in a JSON object in the request body that includes the user's name, email, password, and role.

The "name" field represents the user's full name, and the "email" field represents the user's email address. The "password" field is used to set the user's password for their account. The "role" field specifies the user's role in ANSCER ANYA, which can either be "admin" or "user".

Once the request is sent, the new user account will be created in ANSCER ANYA's database, and the response will include the user's unique ID, name, email, and role.

This request is essential for onboarding new users into ANSCER ANYA, allowing them to access the platform and begin managing resources, interacting with robots, and using the ANSCER ANYA platform to enhance their workflow.

It's important to note that only authenticated users with admin access can use this request to create a new user. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name":"Tony shark",
    "email":"tony@anscer.com",
    "password":"password",
    "role":"developer"
}
```

GET   Get All Users

http://{{address}}:{{port}}/api/{{version}}/users/

The Get All Users request allows you to retrieve a list of all users registered in ANSCER ANYA. This request can be accessed by authenticated admin users only and does not require any additional parameters.

To use this request, you need to be authenticated in ANSCER ANYA with admin access and send the request to the API endpoint. Once the request is sent, ANSCER ANYA will return a JSON object containing a list of all registered users in the system, including their user ID, name, email address, role, and any other relevant user information.

This request is useful for admin users who need to manage user accounts and verify that all registered users are authorized to access ANSCER ANYA. It can also be used to quickly identify any users who may be inactive or who have not accessed the system in some time.

It's important to note that this request can only be accessed by authenticated admin users. Other users will not have

access to this endpoint. Additionally, this request will return information about all registered users in the system, including sensitive information such as email addresses and user roles. Therefore, it's important to ensure that this information is kept confidential and only accessible to authorized users.

AUTHORIZATION API Key

This request is using API Key from collection **ANSCER ANYA**

GET Get User

http://{{address}}:{{port}}/api/{{version}}/users/635acf02c53974c5497949da

The Get User request allows you to retrieve information about a specific user in ANSCER ANYA. This request takes in the user's unique ID as a parameter, and returns a JSON object containing information about the user, including their name, email, and role.

To use this request, you need to provide the user's ID in the request URL. Once the request is sent, ANSCER ANYA will retrieve the user's information from the database and return it in a JSON object.

This request is useful for retrieving user information when you need to verify their identity or check their access level. With the ability to retrieve user information on demand, you can quickly and easily manage user accounts and ensure that each user has the appropriate level of access to ANSCER ANYA.

It's important to note that only authenticated users with admin access can use this request to retrieve user information. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection **ANSCER ANYA**

DELETE Remove User

http://{{address}}:{{port}}/api/{{version}}/users/658d0e2f9419ae35ad4aa064

The Remove User request allows you to remove a user from ANSCER ANYA. This request takes in the user's unique ID as a parameter, and will permanently delete the user's account and all associated data from the ANSCER ANYA database.

To use this request, you need to provide the user's ID in the request URL. Once the request is sent, ANSCER ANYA will delete the user's account and all associated data.

This request is useful for removing inactive or unauthorized users from ANSCER ANYA, ensuring that only authorized individuals have access to the platform and its resources. However, it's important to exercise caution when using this request, as it will permanently delete the user's account and all associated data from the database.

It's also important to note that only authenticated users with admin access can use this request to remove a user from ANSCER ANYA. Other users will not have access to this endpoint.

PUT Update User 🔒

http://{{address}}:{{port}}/api/{{version}}/users/658d07838c2937fd9aaecdaf

The Update User request allows you to update the information of an existing user in ANSCER ANYA. This request takes in the user's unique ID as a parameter, as well as any updated user information in the form of a JSON object. This request can be used to update a user's name, email, password, and role. Additionally, it can also accept another key named "isActive", which is a boolean value. This key allows admin users to suspend or disable any normal user's account without deleting it.

To use this request, you need to provide the user's ID in the request URL and the updated user information in the request body as a JSON object. Once the request is sent, ANSCER ANYA will update the user's information in the database and return a JSON object containing the updated user information.

This request is useful for modifying user information when changes need to be made to a user's account or access level. Additionally, the "isActive" key can be used to temporarily suspend or disable a user's account, without permanently deleting it from the database.

It's important to note that only authenticated users with admin access can use this request to update a user's information or suspend/disable a user's account. Other users will not have access to this endpoint.

Body raw (json)

```json
{
    "name": "1234 abcd",
    "email": "123456@anscer.com",
    "role": "admin",
    "isActive":true
}
```

GET Get Current User 🔒

http://{{address}}:{{port}}/api/{{version}}/users/me

The Get Current User request allows you to retrieve information about the currently authenticated user in ANSCER ANYA. This request does not require any parameters and can be accessed by any authenticated user.

To use this request, you need to be authenticated in ANSCER ANYA and send the request to the API endpoint. Once the request is sent, ANSCER ANYA will return a JSON object containing information about the currently authenticated user, including their user ID, name, email address, role, and any other relevant user information.

This request is useful for allowing users to view their own account information, such as their role, email address, or any other relevant details. It can also be used to verify that the user is authenticated and authorized to access ANSCER ANYA.

It's important to note that this request can only be accessed by authenticated users. Unauthenticated users will not have access to this endpoint. Additionally, this request will only return information about the currently authenticated user, and cannot be used to view information about other users in the system.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST **Reset Password**

http://{{address}}:{{port}}/api/{{version}}/users/reset-password/658d140a1353a50cc694b37c

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "authPassword":"admin123",
    "newPassword":"NewPass@123456"
}
```

Authentication

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

POST Login

http://{{address}}:{{port}}/api/{{version}}/auth/

The Login request allows users to authenticate themselves with ANSCER ANYA by providing their email address and password. This request does not require any additional parameters and can be accessed by any unauthenticated user.

To use this request, you need to provide your email address and password to ANSCER ANYA and send the request to the API endpoint. Once the request is sent, ANSCER ANYA will verify your credentials and return a JSON Web Token (JWT) that can be used to authenticate subsequent requests.

This request is useful for allowing users to access ANSCER ANYA and perform tasks that require authentication, such as creating resources, updating configurations, or managing robot fleets.

It's important to note that this request will return a JWT that should be kept confidential and only used by the authenticated user. Anyone with access to the JWT can impersonate the authenticated user and perform actions on their behalf, so it's important to ensure that the JWT is kept secure and not shared with unauthorized parties.

Body raw (json)

```json
{
    "email": "admin@anscer.com",
    "password": "anscer123"
}
```

Maps

In the context of ANSCER ROBOT, maps refer to the 2D representation of the environment that the robot operates in. These maps can be created, edited, and loaded into the robot to enable it to navigate and perform tasks within the environment. Maps typically consist of various features such as walls, obstacles, and areas of interest that are represented by different types of zones. Maps can also contain other elements such as waypoints and missions that help the robot navigate and perform tasks. ANSCER ANYA provides various APIs to manage maps, such as creating a new map, updating an existing map, loading a map into the robot, and deleting a map in ANSCER ROBOTS.

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get all Maps

http://{{address}}:{{port}}/api/{{version}}/maps/

The Get All Maps request allows users to retrieve a list of all maps that are currently available in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all maps that are currently available and return them in the response body in JSON format.

Each map in the list will contain the following information:

- Map ID: A unique identifier for the map
- Map Name: The name of the map
- IsActive: A boolean value indicating if this is the currently active map in the ANSCER Robot
- Properties: Any additional properties associated with the map, such as size, origin, previewUrl etc.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST Create Map

http://{{address}}:{{port}}/api/{{version}}/maps/

The Create Map request allows authenticated users to create a new map in ANSCER ROBOT. This request can only be accessed by users with the appropriate permissions, such as an administrator.

It's important to note that creating a new map into a robot may take some time, depending on the size of the map and the speed of the robot's network connection.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name": "Bosch 2"
}
```

PUT Update Map

http://{{address}}:{{port}}/api/{{version}}/maps/6360b98e80dccb699a18fbd6

The Update Map request allows authenticated users to update an existing map in ANSCER ROBOT. This request can only be accessed by admin user.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name": "Bosch"
}
```

PUT   Edit Map Overlay   🔒

http://{{address}}:{{port}}/api/{{version}}/maps/edit/64427e26bdf02e1d74a40ea6?saveAsNew=true

The Update Map request allows authenticated users to update an existing map in ANSCER ROBOT. This request can only be accessed by admin user.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PARAMS

saveAsNew   true

Body raw (json)

```json
{
    "saveAsNew":true,
    "name":"blablabla",
    "overlays": [
```

          "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAAGUAAACRCAYAAAADaf3bAAAAAXI
          "bounds": {
              "_southWest": {
                  "lat": 60,
                  "lng": 363.5
              },
              "_northEast": {
                  "lat": 132.5,
                  "lng": 414
              }
          },
          "visible": true,
          "_id": "6458f2fc2833c18e63bc6ecc"
      },
      {
          "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAAM0AAADdCAYAAAAYavbyAAAAAXI
          "bounds": {
              "_southWest": {
                  "lat": 172,
                  "lng": 197.5
              },
              "_northEast": {
                  "lat": 282.5,
                  "lng": 300
              }
          },
          "visible": true,
          "_id": "6458f2fc2833c18e63bc6ecd"
      },
      {
          "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAABLkAAALXCAYAABhFZLdAAAAAXI
          "bounds": {
              "_southWest": {
                  "lat": 204.5,
                  "lng": 77.25
              },
              "_northEast": {
                  "lat": 386.25,
                  "lng": 379.5
              }
          },
          "visible": true,
          "_id": "6458f2fc2833c18e63bc6ece"
      },
      {
          "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAABT8AAAMRCAYAAAqRsJGAAAAAXI
          "bounds": {
              "_southWest": {
                  "lat": 189.5,
                  "lng": 375.75
              },
              "_northEast": {
                  "lat": 385.75,
                  "lng": 711.5
              }
          },
          "visible": true,

```json
                    "_id": "6458f2fc2833c18e63bc6ecf"
                },
                {

                    "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAABg0AAAOFCAYAAABZVaIXAAAAAXN
                    "bounds": {
                        "_southWest": {
                            "lat": 20.5,
                            "lng": 323.75
                        },
                        "_northEast": {
                            "lat": 245.75,
                            "lng": 711
                        }
                    },
                    "visible": true,
                    "_id": "6458f2fc2833c18e63bc6ed0"
                },
                {

                    "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAABgsAAAJLCAYAAADZ3qYgAAAAAXN
                    "bounds": {
                        "_southWest": {
                            "lat": 6.5,
                            "lng": 5.25
                        },
                        "_northEast": {
                            "lat": 153.25,
                            "lng": 392
                        }
                    },
                    "visible": true,
                    "_id": "6458f2fc2833c18e63bc6ed1"
                },
                {

                    "image": "data:image/png;base64,iVBORw0KGgoAAAANSUhEUgAACAcAAAR5CAYAAAC79v40AAAAAXN
                    "bounds": {
                        "_southWest": {
                            "lat": 53,
                            "lng": 76.25
                        },
                        "_northEast": {
                            "lat": 339.25,
                            "lng": 590
                        }
                    },
                    "visible": true,
                    "_id": "6458f2fc2833c18e63bc6ed2"
                }
            ]
    }
```

DELETE   Delete Map

http://{{address}}:{{port}}/api/{{version}}/maps/64a66bf9977ed7204bef874b

This request is used to delete a map from the ANSCER ROBOT system. Only an admin user is authorized to delete a map. The {mapId} parameter in the endpoint URL specifies the ID of the map that is to be deleted.

Warning: This operation will permanently delete the map and all associated resources such as waypoints, zones, and missions. Use with caution.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET Get Map

http://{{address}}:{{port}}/api/{{version}}/maps/64141be28ee99e08988e0e54

The Get Map request allows authenticated users to retrieve detailed information about a specific map. This request can be accessed by any authenticated user with the appropriate permissions.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET Preview Map

http://{{address}}:{{port}}/api/{{version}}/maps/64141be28ee99e08988e0e54

The Get Map request allows authenticated users to retrieve detailed information about a specific map. This request can be accessed by any authenticated user with the appropriate permissions.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET Get Map & Map data

http://{{address}}:{{port}}/api/{{version}}/maps/data/

The Get Map request allows authenticated users to retrieve detailed information about a specific map. This request can be accessed by any authenticated user with the appropriate permissions.

POST   Load Map in Robot 🔒

http://{{address}}:{{port}}/api/{{version}}/maps/load/63660bcc15d4c31b0f42afb3

The Load Map in Robot request allows authenticated users to load a map into an ANSCER ROBOT. This request can only be accessed by users with the appropriate permissions, such as an administrator or developer.

To use this request, you need to provide the map's ID in the request URL.

Once ANSCER ANYA receives the request, it will verify that the specified map exist in the system and are compatible to load. If everything checks out, desired map will be loaded in the robot, which will then begin using it for navigation and other tasks.

It's important to note that loading a map into a robot may take some time, depending on the size of the map and the speed of the robot's network connection.

This request is useful for loading maps into ANSCER ROBOTS, such as when a robot needs to navigate a new facility or warehouse. It's important to ensure that the map being loaded is related to that particular environment

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Waypoints

The Waypoint collection in ANSCER ANYA API allows you to manage the waypoints for the ANSCER Robots. A waypoint is a location that the Robot can navigate to and perform a task or action, such as picking up or dropping off an item, dock to any specific marker, or scanning a barcode.

This collection includes requests for creating, updating, retrieving, and deleting waypoints. You can also get a list of all waypoints associated with the currently active map.

To use these requests, you need to be authenticated as a user with appropriate permissions.

Use this collection to easily manage and test the ANSCER ANYA API's Waypoint functionality.

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET   Get all Waypoints 🔒

http://{{address}}:{{port}}/api/{{version}}/waypoints/

The Get All Waypoints request allows users to retrieve a list of all the waypoints that are associated with the current

active map in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all waypoints that are currently available in active Map and return them in the response body in JSON format.

Each waypoint in the list will contain the following information:

- Waypoint ID: A unique identifier for the waypoint

- Waypoint Name: The name of the waypoint

- Category: The category of the waypoint

- Map: The Map object, in which this waypoint was created

- Coordinate: The coordinate of the wypoint

- Dock Marker: Id of the Dock Marker type

- Properties: Any additional properties associated with the waypoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST Create Waypoint

http://{{address}}:{{port}}/api/{{version}}/waypoints/

The Create Waypoint request allows you to create a new waypoint for the current active map in ANSCER Robot. The request should include the `name` of the waypoint, `category`, `dockMarker`, and `properties` object for any additional properties to be associated with the waypoint.

It's important to note that only authenticated users with admin access can use this request to create a new waypoint. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name": "New Waypoint 2",
    "category": "charging",
    "dockMarker": 3,
    "properties": {
        "demo": "abc"
```

```
                        ~
        ٤
        ٤
```

DELETE   Delete Waypoint   🔒

http://{{address}}:{{port}}/api/{{version}}/waypoints/63636ac6149637bb862470c7

The Delete Waypoint request allows you to remove a waypoint from the Map. This request takes in the waypoint's unique ID as a parameter, and will permanently delete the waypoint.

However, it's important to exercise caution when using this request, as it will permanently delete the waypoint, the Missions in which this Waypoint was used will be disabled. User can't be able to Initiate that particular Mission. Needs to update the Mission Tasks, in which this waypoint was used.

It's also important to note that only authenticated users with admin access can use this request to remove a waypoint from the Map. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET   Get Waypoint   🔒

http://{{address}}:{{port}}/api/{{version}}/waypoints/6363705990667f9bd8bd8bef

The Get Waypoint request allows you to retrieve information about a specific waypoint of the current map in ANSCER ROBOT. This request takes in the waypoint's unique ID as a parameter, and returns a JSON object containing information about the waypoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PUT   Update Waypoint   🔒

http://{{address}}:{{port}}/api/{{version}}/waypoints/6367c2b47d6229cf2abe2b28?updatePose=true

The Update Waypoint request allows you to update the information of an existing waypoint for current Active Map in ANSCER ANYA. This request takes in the waypoint's unique ID as a parameter, as well as any updated waypoint information in the form of a JSON object. This request can be used to update a waypoint's name, and category, dockMarker, and/or location.

Query Parameters:

- updatePose: Optional boolean parameter. If set to true, the location of the waypoint will be updated to the current robot pose.

It's important to note that only authenticated users with admin access can use this request to update a waypoint's information. Other users will not have access to this endpoint.

PARAMS

updatePose   true

Body raw (json)

```json
{
    "name":"New Waypoint Updated",
    "category": "special",
    "coordinate":{
            "position":{
                "x":0.005012,
                "y":0.005012,
                "z":0.005012
            },
            "orientation":{
                "x":0.005012,
                "y":0.005012,
                "z":0.005012,
                "w":0.005012
            }
    },
    "properties":{
        "demo":"abc"
    }
}
```

Missions

Missions are a series of actions that the robot needs to perform in order to achieve a specific goal, such as delivering a package or inspecting a facility. In ANSCER Robots, missions are created by defining a sequence of tasks that the robot needs to perform.

Missions can be created, edited, and executed through ANSCER ANYA API. The robot can also be programmed to

Missions can be created, edited, and executed through ANSCER ANYA API. The robot can also be programmed to automatically execute missions based on certain conditions.

Here is a brief description of the mission task types:

- move: Moves the robot to a specified waypoint or zone.
- charging: Initiates a charging operation for the robot.
- lifting: Lifts an object using the robot's lift mechanism.
- dropping: Drops an object that the robot is holding.
- docking: Navigates the robot to a charging dock and initiates a charging operation/specific task.
- undocking: Navigates the robot away from a dock.
- waitUser: Waits for a user input/certain time before proceeding with the tasks.
- buzzer: Plays a specified sound on the robot's buzzer.
- ledInd: Changes the color of the robot's LED.

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

Mission Logs

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get all Mission Logs

http://{{address}}:{{port}}/api/{{version}}/missions/logs/

The Get All Missions request allows users to retrieve a list of all the missions that are associated with the current active map in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all missions that are currently available in active Map and return them in the response body in JSON format.

Each mission in the list will contain the following information:

- Mission ID: A unique identifier for the mission
- Mission Name: The name of the mission
- Iteration: The default iteration count of the mission(This can be overwritten at the time of mission initiation)
- Map: The Map object, in which this mission was created
- Tasks: Tasks are the array of task object
  - Each task in the list will contain following information:
    - Type: Type of task

- Name: Name of the task(for external visualisation only)

- ID: A unique identifier for the task

- Data: Data required for that particular task

GET   Get Mission Log Progress 🔒

http://{{address}}:{{port}}/api/{{version}}/missions/logs/661426cfda185b3ca6070582/progress

The Get All Missions request allows users to retrieve a list of all the missions that are associated with the current active map in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all missions that are currently available in active Map and return them in the response body in JSON format.

Each mission in the list will contain the following information:

- Mission ID: A unique identifier for the mission
- Mission Name: The name of the mission
- Iteration: The default iteration count of the mission(This can be overwritten at the time of mission initiation)
- Map: The Map object, in which this mission was created
- Tasks: Tasks are the array of task object
  - Each task in the list will contain following information:
    - Type: Type of task
    - Name: Name of the task(for external visualisation only)
    - ID: A unique identifier for the task
    - Data: Data required for that particular task

GET   Get all Missions 🔒

http://{{address}}:{{port}}/api/{{version}}/missions/

The Get All Missions request allows users to retrieve a list of all the missions that are associated with the current active map in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all missions that are currently available in active Map and return them in the response body in JSON format.

Each mission in the list will contain the following information:

- Mission ID: A unique identifier for the mission
- Mission Name: The name of the mission
- Iteration: The default iteration count of the mission(This can be overwritten at the time of mission initiation)
- Map: The Map object, in which this mission was created
- Tasks: Tasks are the array of task object
  - Each task in the list will contain following information:
    - Type: Type of task
    - Name: Name of the task(for external visualisation only)
    - ID: A unique identifier for the task
    - Data: Data required for that particular task

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST   Create Mission   🔒

http://{{address}}:{{port}}/api/{{version}}/missions/

The Create Mission request allows you to create a new mission for the current active map in ANSCER Robot. The request should include the name of the mission, iteration (initial value), tasks array.

It's important to note that only authenticated users with admin access can use this request to create a new mission. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name": "Mission",
    "iteration": 2,
    "tasks": [
        {
            "type": "charging",
```

```
            "id": "1672044867953",
            "name": "Charging",
            "data": {

                "hour": 0,
                "minutes": 45,
                "percentage": 0,
                "ignoreTime": false,
                "ignorePercentage": true,
                "label": "Charging: 45 minutes"
            }
        },
        {

            "type": "move",
            "id": "1672044357953",
            "name": "Move",
            "data": {
                "waypoint": "6367c2b47d6229cf2abe2b28",
                "label": "Move: Waypoint"
            }
        }
    ]
}
```

DELETE   Delete Mission   🔒

http://{{address}}:{{port}}/api/{{version}}/missions/6367d171cf7cd818860b6166

The Delete Mission request allows you to remove a mission from the Map. This request takes in the mission's unique ID as a parameter, and will permanently delete the mission.

It's also important to note that only authenticated users with admin access can use this request to remove a mission from the Map. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET   Get Mission   🔒

http://{{address}}:{{port}}/api/{{version}}/missions/63ce5ed6b23b5f17a7d6ed73

The Get Mission request allows you to retrieve information about a specific mission of the current map in ANSCER ROBOT. This request takes in the mission's unique ID as a parameter, and returns a JSON object containing information about the mission.

AUTHORIZATION API Key

PUT Update Mission 🔒

http://{{address}}:{{port}}/api/{{version}}/missions/6367d1fccf7cd818860b6183

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name":"New Zone Updated",
    "category": "restricted",
    "isActive": false,
    "properties":{
        "demo":"abc"
    }
}
```

POST Initiate Mission 🔒

http://{{address}}:{{port}}/api/{{version}}/missions/initiate/63ce5ed6b23b5f17a7d6ed73

Initiates the specified mission with an optional iteration count, which overwrites the initial iteration count of that mission.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "iteration":1
}
```

Robot

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

Bags

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get Robot Bags Tree

http://{{address}}:{{port}}/api/{{version}}/robot/bags/files/

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET Download Robot Bags

http://{{address}}:{{port}}/api/{{version}}/robot/bags/downloads/utils/point.js

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

HEADERS

response-type	blob

Body raw (json)

json

```
{
    "paths": [
        "analytics.js",
        "footprint.js",
        "graph.js",
        "log.js",
        "utils"
    ]
}
```

GET   Get Robot Bags List 🔒

http://{{address}}:{{port}}/api/{{version}}/robot/bags/file/

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST   Quick Goal 🔒

http://{{address}}:{{port}}/api/{{version}}/robot/quickgoal/

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST   Send Robot to Waypoint 🔒

http://{{address}}:{{port}}/api/{{version}}/robot/quickgoal/6363705990667f9bd8bd8bef

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Zones

The Zone collection contains APIs for managing zones in ANSCER Robots. Zones can be of 6 types: restricted, warning, blink, buzzer, speed, and no-plan. Each zone has its own specific properties such as category, shape, geometry, and type. Zones refer to specific areas or regions that the robot can operate in. These areas may be defined virtual boundaries within the robot's environment. Zones can be used to help the robot navigate and perform tasks more efficiently by

within the robot's environment. Zones can be used to help the robot navigate and perform tasks more efficiently by providing it with information about where it is and where it can go.

This collection includes requests for creating, updating, retrieving, and deleting zones. You can also get a list of all zones associated with the currently active map.

Zones are essential in Anscer Robots as they help the robot navigate through specific areas with certain rules and guidelines. By setting up zones, the robot can be programmed to perform certain actions or avoid certain obstacles as it moves through the designated area. This can help increase the efficiency and safety of the robot's operations.

To use these requests, you need to be authenticated as a user with appropriate permissions.

Use this collection to easily manage and test the ANSCER ANYA API's Zone functionality.

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get all Zones

http://{{address}}:{{port}}/api/{{version}}/zones/

The Get All Zones request allows users to retrieve a list of all the zones that are associated with the current active map in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all zones that are currently available in active Map and return them in the response body in JSON format.

Each zone in the list will contain the following information:

- Zone ID: A unique identifier for the zone
- Zone Name: The name of the zone
- Category: The category of the zone
- Map: The Map object, in which this zone was created
- Geometry: Specifies the shape of the zone, using the GeoJSON format.
- Is Active: (Boolean) indicates whether the zone is currently active in the Map
- Properties: Any additional properties associated with the zone.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST Create Zone

http://{{address}}:{{port}}/api/{{version}}/zones/

The Create Zone request allows you to create a new zone for the current active map in ANSCER Robot. The request body should contain the GeoJSON data of the zone to be created, along with other properties such as the name and category of the zone.

It's important to note that only authenticated users with admin access can use this request to create a new zone. Other users will not have access to this endpoint.

Note: The `isActive` **property is set to** `true` **by default when a new zone is created. This means that the zone is immediately available for use in ANSCER Robot.**

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name": "33333",
    "category": "warning",
    "properties": {
        "shape": "CircleMarker"
    },
    "type":"Point",
    "geometry": {
        "coordinates": [
            39.8,
            202
        ],
        "type": "Point"
    }
}
```

DELETE   Delete Zone

http://{{address}}:{{port}}/api/{{version}}/zones/6367d171cf7cd818860b6166

The Delete Zone request allows you to remove a zone from ANSCER ROBOT. This request takes in the zone's unique ID as a parameter, and will permanently delete the zone from the ANSCER ANYA database.

In another case, you can have an update zone request that allows you to update the "isActive" property of a zone. Setting the "isActive" property to false will disable the zone in that map without deleting it completely.

It's also important to note that only authenticated users with admin access can use this request to remove/disable a zone from ANSCER ANYA. Other users will not have access to this endpoint.

GET   Get Zone 🔒

http://{{address}}:{{port}}/api/{{version}}/zones/6470c0247ad875e7b6d40597

The Get Zone request allows you to retrieve information about a specific zone of the current map in ANSCER ROBOT. This request takes in the zone's unique ID as a parameter, and returns a JSON object containing information about the zone.

AUTHORIZATION API Key

This request is using API Key from collection **ANSCER ANYA**

PUT   Update Zone 🔒

http://{{address}}:{{port}}/api/{{version}}/zones/64c8ffe6a0ac458e273f04f4

The Update Zone request allows you to update the information of an existing zone on current Map in ANSCER ROBOT. This request takes in the zone's unique ID as a parameter, as well as any updated zone information in the form of a JSON object.

This API can be used to disable a zone(Alternate to Delete) in the currently active Map on the Robot. Disabling a zone will prevent the robot from recognizing the zone and taking any actions related to it.

It's important to note that only authenticated users with admin access can use this request to update a zones's information or disable a zone. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection **ANSCER ANYA**

Body raw (json)

```json
{
    "name": "33333",
    "category": "warning",
    "properties": {
        "shape": "CircleMarker"
```

```
    },
    "geometry": {
        "coordinates": [

            101,
            105
        ],
        "type": "Point"
    }
}
```

Graphs

The Zone collection contains APIs for managing zones in ANSCER Robots. Zones can be of 6 types: restricted, warning, blink, buzzer, speed, and no-plan. Each zone has its own specific properties such as category, shape, geometry, and type. Zones refer to specific areas or regions that the robot can operate in. These areas may be defined virtual boundaries within the robot's environment. Zones can be used to help the robot navigate and perform tasks more efficiently by providing it with information about where it is and where it can go.

This collection includes requests for creating, updating, retrieving, and deleting zones. You can also get a list of all zones associated with the currently active map.

Zones are essential in Anscer Robots as they help the robot navigate through specific areas with certain rules and guidelines. By setting up zones, the robot can be programmed to perform certain actions or avoid certain obstacles as it moves through the designated area. This can help increase the efficiency and safety of the robot's operations.

To use these requests, you need to be authenticated as a user with appropriate permissions.

Use this collection to easily manage and test the ANSCER ANYA API's Zone functionality.

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET   Get all Graphs

http://{{address}}:{{port}}/api/{{version}}/graphs/

The Get All Zones request allows users to retrieve a list of all the zones that are associated with the current active map in ANSCER ROBOT.

To use this request, you need to send a GET request to the API endpoint. ANSCER ANYA will then retrieve a list of all zones that are currently available in active Map and return them in the response body in JSON format.

Each zone in the list will contain the following information:

- Zone ID: A unique identifier for the zone
- Zone Name: The name of the zone

- Category: The category of the zone
- Map: The Map object, in which this zone was created

- Geometry: Specifies the shape of the zone, using the GeoJSON format.
- Is Active: (Boolean) indicates whether the zone is currently active in the Map
- Properties: Any additional properties associated with the zone.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

POST Create Graph 🔒

http://{{address}}:{{port}}/api/{{version}}/graphs/

The Create Zone request allows you to create a new zone for the current active map in ANSCER Robot. The request body should contain the GeoJSON data of the zone to be created, along with other properties such as the name and category of the zone.

It's important to note that only authenticated users with admin access can use this request to create a new zone. Other users will not have access to this endpoint.

Note: The `isActive` property is set to `true` by default when a new zone is created. This means that the zone is immediately available for use in ANSCER Robot.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name": "Graph 2",
    "nodes": [
        {
            "id": 1,
            "name": "Node-1",
            "pose": {
                "lat": 2339,
                "lng": 816
            },
            "ignoreOrientation": false,
            "rotation": 0
        },
        {
```

```json
            "id": 2,
            "name": "Node-2",
            "pose": {
                "lat": 2207,
                "lng": 852
            },
            "ignoreOrientation": false,
            "rotation": 0
        },
        {
            "id": 3,
            "name": "Node-3",
            "pose": {
                "lat": 2297,
                "lng": 894
            },
            "ignoreOrientation": false,
            "rotation": 0
        }
    ],
    "edges": [
        {
            "source": 1,
            "target": 2,
            "id": 1,
            "name": "Edge-1|1->2",
            "weight": 1,
            "type": "C",
            "directionType": "Forward",
            "isBidirectional": false,
            "ignoreOrientation": true,
            "controlPoints": [
                {
                    "lng": 825,
                    "lat": 2306
                },
                {
                    "lng": 843,
                    "lat": 2240
                }
            ]
        },
        {
            "source": 3,
            "target": 1,
            "id": 2,
            "name": "Edge-2|3->1",
            "weight": 1,
            "type": "C",
            "directionType": "Forward",
            "isBidirectional": false,
            "ignoreOrientation": true,
            "controlPoints": [
                {
                    "lng": 874.5,
                    "lat": 2307.5
                },
```

```
        {
            "lng": 835.5,
            "lat": 2328.5
        }
    ]
},
{

    "source": 3,
    "target": 2,
    "id": 3,
    "name": "Edge-3|3->2",
    "weight": 1,
    "type": "C",
    "directionType": "Forward",
    "isBidirectional": false,
    "ignoreOrientation": true,
    "controlPoints": [
        {
            "lng": 883.5,
            "lat": 2274.5
        },
        {

            "lng": 862.5,
            "lat": 2229.5
        }
    ]
}
    ]
}
```

DELETE   Delete Graph   🔒

http://{{address}}:{{port}}/api/{{version}}/graphs/64822c68aea0854841040c26

The Delete Zone request allows you to remove a zone from ANSCER ROBOT. This request takes in the zone's unique ID as a parameter, and will permanently delete the zone from the ANSCER ANYA database.

In another case, you can have an update zone request that allows you to update the "isActive" property of a zone. Setting the "isActive" property to false will disable the zone in that map without deleting it completely.

It's also important to note that only authenticated users with admin access can use this request to remove/disable a zone from ANSCER ANYA. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET   Get Graph   🔒

http://{{address}}:{{port}}/api/{{version}}/graphs/64822b59c0875b7ac5d8d6bd

The Get Zone request allows you to retrieve information about a specific zone of the current map in ANSCER ROBOT. This request takes in the zone's unique ID as a parameter, and returns a JSON object containing information about the zone.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PUT Update Graph 🔒

http://{{address}}:{{port}}/api/{{version}}/graphs/6367d1fccf7cd818860b6183

The Update Zone request allows you to update the information of an existing zone on current Map in ANSCER ROBOT. This request takes in the zone's unique ID as a parameter, as well as any updated zone information in the form of a JSON object.

This API can be used to disable a zone(Alternate to Delete) in the currently active Map on the Robot. Disabling a zone will prevent the robot from recognizing the zone and taking any actions related to it.

It's important to note that only authenticated users with admin access can use this request to update a zones's information or disable a zone. Other users will not have access to this endpoint.

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

```json
{
    "name":"New Zone Updated",
    "category": "restricted",
    "isActive": false,
    "properties":{
        "demo":"abc"
    }
}
```

Logs

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get Logs 🔒

http://{{address}}:{{port}}/api/{{version}}/logs

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PARAMS

from	2024-04-02T09:10:01.277Z
to	2024-04-10T09:12:01.277Z

GET Export Logs 🔒

http://{{address}}:{{port}}/api/{{version}}/logs/export

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PARAMS

from	2024-04-02T09:10:01.277Z
to	2024-04-10T09:12:01.277Z

POST Create Log 🔒

http://{{address}}:{{port}}/api/{{version}}/logs/

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

Body raw (json)

Body raw (json)

```json
{
    "name":"Test Log",
    "level":1,
    "message":"This is the first test message"
}
```

Analytics

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET   Battery 🔒

http://{{address}}:{{port}}/api/{{version}}/analytics/battery?from=2024-03-01T09:10:01.277Z&to=2024-04-01T09:12:01.277Z

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PARAMS

from	2024-03-01T09:10:01.277Z
to	2024-04-01T09:12:01.277Z
a	a

Registers

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get Registers

http://{{address}}:{{port}}/api/{{version}}/registers/

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

MissionLogs

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

Downloads

AUTHORIZATION API Key

This folder is using API Key from collection ANSCER ANYA

GET Get Downloads

http://{{address}}:{{port}}/api/{{version}}/downloads

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PARAMS

from	2024-04-02T09:10:01.277Z
to	2024-04-10T09:12:01.277Z

GET Download File

http://{{address}}:{{port}}/api/{{version}}/downloads/logs_from_2024-05-14_00:00:00_to_2024-05-16_13:39:12.csv

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

PARAMS

from	2024-04-02T09:10:01.277Z
to	2024-04-10T09:12:01.277Z

GET Home 🔒

http://{{address}}:{{port}}/api/{{version}}/

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA

GET Not Found 🔒

http://{{address}}:{{port}}/api/v1/abc

AUTHORIZATION API Key

This request is using API Key from collection ANSCER ANYA