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## Server Address

The proto server is located at <http://93.188.161.11:3000>

## Admin Panel

Admin Panel Address: <http://93.188.161.11:3000/admin>

## Admin User & Password

Proto server user : **admin**

Password: **password**

## Authentication

### Generating JWT Token

Endpoint:

<http://93.188.161.11:3000/api/login>

Request Verb:

POST

Request Format

JSON

Body Parameters

**username**: string (required)

**password**: String (required)

Request Body Example:

```
{
  "username": "admin",
  "password": "password"
}
```

Example Response:

```
{
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoxLCJ1c2VybmFtZSI6ImFkbWluIiwiaXhwIjoxNjMjQxODE1LCJlbWFPbCI6ImFkbWluQGVTcGxveWVlcY5jb20iLCJvcm1nX21hdCI6MTYzNjI0MTUxNX0.zyeNFMAGNx-yIC4Nsa7YChUMA5gPANQ04Qzo0DXUopg"
}
```

This token need to be sent in each new request, its duration is 5 minutes, and then, a new token must be generated before new requests are sent.

Token Authenticated Request Example

```
curl --location --request GET 'http://93.188.161.11:3000/api/employees/search/o' \
```

--

header 'Authorization: JWT eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoxLCJ1c2VybmFtZSI6ImFkbWluIiwiaXhwIjoxNjM2MjQxODE1LCJlbWVpYyCI6ImFkbWluQGVtcGxveWVlcy5jb20iLCJvcmlnX2lhdCI6MTYzNjI0MTUxNX0.zeNFMAGNx-yIC4Nsa7YChUMA5gPANQ04Qzo0DXUopg'

Note the header with token being passed with "JWT" prefix.

### Getting a new token (refresh token)

The token expires in 5 minutes after its creation, until this expiration, it is possible to refresh this token, renewing its duration for a longer period:

Endpoint

<http://93.188.161.11:3000/api/refresh-token>

Request Verb:

POST

Request Format

JSON

Body Parameters

**token** : string (required)

Request Body Example

(Send the not yet expired token)

```
{ "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoxLCJ1c2VybmFtZSI6ImFkbWluIiwiaXhwIjoxNjM2MjQxODE1LCJlbWVpYyCI6ImFkbWluQGVtcGxveWVlcy5jb20iLCJvcmlnX2lhdCI6MTYzNjI0MTUyM30.7V9pVIJSjYhm0Pqe5inAObBIgCUhXQyYViBlpgurgg" }
```

Request Response

```
{
  "token": "eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJ1c2VyX2lkIjoxLCJ1c2VybmFtZSI6ImFkbWluIiwiaXhwIjoxNjM2MjQxODE1LCJlbWVpYyCI6ImFkbWluQGVtcGxveWVlcy5jb20iLCJvcmlnX2lhdCI6MTYzNjI0MTUyM30.7pk65X-xVYvG2cMH1Eb1-JGz_BOggxgjxlMK122aI4c"
}
```

This new token can be used for new requests for 5 more minutes. After 24 hours, it will not be possible to continue refreshing this token, being necessary to generate an all new token, in login endpoint: <http://93.188.161.11:3000/api/login>

## Resource Endpoints

### Departments

List All

Endpoint

<http://93.188.161.11:3000/api/departments?page={page}>

Request Verb

GET

### *Request Format*

QueryString

### *Query String Parameters*

page: integer (not required), default=1

### *Request Response:*

```
{
  "count": 3,
  "next": null,
  "previous": null,
  "results": [
    {
      "department_id": 1,
      "link": "http://93.188.161.11:3000/api/departments/1",
      "department_name": "Information Technologies",
      "department_abb": "IT",
      "is_active": true,
      "created_at": "2021-11-07T14:27:54.145551Z",
      "created_by": {
        "username": "admin",
        "first_name": "",
        "last_name": "",
        "id": 1
      }
    },
    {
      "department_id": 2,
      "link": "http://93.188.161.11:3000/api/departments/2",
      "department_name": "Cleaning Services",
      "department_abb": "CLS",
      "is_active": true,
      "created_at": "2021-11-07T14:34:18.279424Z",
      "created_by": {
        "username": "admin",
        "first_name": "",
        "last_name": "",
        "id": 1
      }
    }
  ]
}
```

```

        "department_id": 3,
        "link": "http://93.188.161.11:3000/api/departments/3",
        "department_name": "Management",
        "department_abb": "MGMENT",
        "is_active": true,
        "created_at": "2021-11-07T14:34:27.707796Z",
        "created_by": {
            "username": "admin",
            "first_name": "",
            "last_name": "",
            "id": 1
        }
    }
]
}

```

## Detail department

### Endpoint

`http://93.188.161.11:3000/api/departments/{department_id}`

### Request Verb

GET

### Request Format

URL

### URL Parameters

**department\_id** : integer (required)

### Request Response

```

{
    "department_id": 6,
    "link": "http://93.188.161.11:3000/api/departments/6",
    "department_name": "INFORMATION TECHNOLOGIES",
    "department_abb": "IT",
    "is_active": true,
    "created_at": "2021-11-06T22:15:17.745185Z",
    "created_by": {
        "username": "admin",
        "first_name": "",
        "last_name": "",
        "id": 1
    }
}

```

## Include

### Endpoint

<http://93.188.161.11:3000/api/departments>

### Request Verb

POST

### Request Format

JSON

### Body Parameters

department\_name: string (required)

department\_abb: string (required)

### Request Body Example

```
{
  "department_name": "TEST",
  "department_abb": "TST"
}
```

### Request Response

Status 201

```
{
  "department_id": 9,
  "department_name": "TEST",
  "department_abb": "TST",
  "created_by": 1
}
```

## Employees

List All

### Endpoint

<http://93.188.161.11:3000/api/employees?page={page}>

### Request Verb

GET

### Request Format

QueryString

### Query String Parameters

page: integer (not required), default=1

### Request Response

```
{
  "count": 526,
  "next": "http://93.188.161.11:3000/api/employees?page=2",
  "previous": null,
}
```

```

"results": [
  {
    "employee_id": 850,
    "link": "http://93.188.161.11:3000/api/employees/850",
    "employee_first_name": "Bryan",
    "employee_last_name": "Ho",
    "employee_email": "bryan.ho@employees.com",
    "department": {
      "department_id": 1,
      "link": "http://93.188.161.11:3000/api/departments/1",
      "department_name": "Information Technologies",
      "department_abb": "IT",
      "is_active": true,
      "created_at": "2021-11-07T14:27:54.145551Z",
      "created_by": {
        "username": "admin",
        "first_name": "",
        "last_name": "",
        "id": 1
      }
    }
  }
]

```

## Detail employee

### Endpoint

[http://93.188.161.11:3000/api/employees/{employee\\_id}](http://93.188.161.11:3000/api/employees/{employee_id})

### Request Verb

GET

### Request Format

URL

### URL Parameters

**Employee\_id: integer (required)**

### Request Response

```

{
  "employee_id": 1,
  "link": "http://93.188.161.11:3000/api/employees/1",
  "employee_first_name": "CLAYTON",
  "employee_last_name": "MORAIS",
  "employee_email": "CLAYTON.S.MORAIS@GMAIL.COM",
  "department": {
    "department_id": 6,

```

```

    "link": "http://93.188.161.11:3000/api/departments/6",
    "department_name": "INFORMATION TECHNOLOGIES",
    "department_abb": "IT",
    "is_active": true,
    "created_at": "2021-11-06T22:15:17.745185Z",
    "created_by": {
      "username": "admin",
      "first_name": "",
      "last_name": "",
      "id": 1
    }
  },
  "is_active": true,
  "created_at": "2021-11-06T22:16:02.373360Z",
  "created_by": {
    "username": "admin",
    "first_name": "",
    "last_name": "",
    "id": 1
  }
}

```

## Include

### Endpoint

<http://93.188.161.11:3000/api/employees>

### Request Verb

POST

### Request Format

JSON

### Body Parameters

```

employee_first_name: string (required)
employee_last_name : string (required)
department: string (required)
employee_email : string (required)

```

### Request Body Example

```

{
  "employee_first_name": "John",
  "employee_last_name": "Travolta",
  "department": 6,
  "employee_email": "john_travolt@employee.com"
}

```

### Request Response

Status 201

```

{
  "employee_id": 10,
  "employee_first_name": "John",

```



```

    "employee_last_name": "Travolta",
    "employee_email": "john_travolt@employee.com",
    "department": 6,
    "created_by": 1
}

```

## Delete

### Endpoint

[http://93.188.161.11:3000/api/employees/{employee\\_id}](http://93.188.161.11:3000/api/employees/{employee_id})

### Request Verb

DELETE

### Request Format

URL

URL Parameters

**employee\_id** :integer (required)

### Request Response

Status 200

"Object deleted gracefully"

Search by name

### Endpoint

[http://93.188.161.11:3000/api/employees/search/{search\\_term}?page={page}](http://93.188.161.11:3000/api/employees/search/{search_term}?page={page})

### Request Verb

GET

### Request Format

URL + QueryString

### URL Parameters

**search\_term** :string (required)

### Query String Parameters

**page**: integer (not required), default=1

### Request Example

<http://93.188.161.11:3000/api/employees/search/cl?page=1>

### Request Response

```

{
  "count": 2,
  "next": null,
  "previous": null,
  "results": [
    {
      "employee_id": 880,
      "link": "http://93.188.161.11:3000/api/employees/880",
      "employee_first_name": "Clayton",

```

```

    "employee_last_name": "Cook",
    "employee_email": "clayton.cook@employees.com",
    "department": {
      "department_id": 1,
      "link": "http://93.188.161.11:3000/api/departments/1",
      "department_name": "Information Technologies",
      "department_abb": "IT",
      "is_active": true,
      "created_at": "2021-11-07T14:27:54.145551Z",
      "created_by": {
        "username": "admin",
        "first_name": "",
        "last_name": "",
        "id": 1
      }
    },
    "is_active": true,
    "created_at": "2021-11-07T15:00:45.319471Z",
    "created_by": {
      "username": "admin",
      "first_name": "",
      "last_name": "",
      "id": 1
    }
  },
  {
    "employee_id": 1062,
    "link": "http://93.188.161.11:3000/api/employees/1062",
    "employee_first_name": "Claudia",
    "employee_last_name": "Clark",
    "employee_email": "claudia.clark@employees.com",
    "department": {
      "department_id": 2,
      "link": "http://93.188.161.11:3000/api/departments/2",
      "department_name": "Cleaning Services",
      "department_abb": "CLS",
      "is_active": true,
      "created_at": "2021-11-07T14:34:18.279424Z",

```

```
        "created_by": {
            "username": "admin",
            "first_name": "",
            "last_name": "",
            "id": 1
        }
    },
    "is_active": true,
    "created_at": "2021-11-07T15:01:08.296421Z",
    "created_by": {
        "username": "admin",
        "first_name": "",
        "last_name": "",
        "id": 1
    }
}
]
```