

# API Docs

This is the REST API Docs for the project.

## Variable types and expected values

Variable name	Must be	Used in	Why
<b>\${STATUS}</b>	That's must be a valid int described on RESPONSE STATUS CODE TABLE	Response	This is need because it can pass decision for the front-end if needed
<b>\${JWT}</b>	JSON Web Token String	Request & Response	JWT cannot be changed by user, just by server
<b>\$ {DATE_VALID_FORMAT_TYPE}</b>	A string described on "Valid date format types and examples", like "ISO_STRING"	Request & Response	To make API easier to use

## Valid date format types and examples

Type	Must be	Example
<b>TIMESTAMP</b>	A UNIX TIMESTAMP INTEGER, BASED ON 0 UTC (ZULU TIME)	1647865531
<b>ISO_STRING</b>	A ISO 8601 STRING, BASED ON 0 UTC (ZULU TIME)	2011-10-05T14:48:00.000Z

## Personal response status code table

Number	Description
<b>-1</b>	Something generic occurs on server, a generic error
<b>0</b>	All things are fine, nothing needed, reliable as 200 HTTP STATUS
<b>1</b>	User investor name already exists
<b>2</b>	Investment already withdrawn
<b>3</b>	User or password invalid

# Admin User Login Token Retrieve

**POST** /api/v1/admin/login

## Body request

```
{
  "user": "",
  "password": ""
}
```

## Body response

```
{
  "status": ${STATUS},
  "token": "${JWT}"
}
```

# Create Investment Owner

**PUT** /api/v1/investments/user/create

## Body request

```
{
  "_credentials": {
    "token": "${JWT}"
  },
  "name": ""
}
```

## Body response

```
{
  "status": ${STATUS},
  "owner_id": ${INT}
}
```

# Create Investment Order

**PUT** /api/v1/investments/create

## Body request

```
{
  "_credentials": {
    "token": "${JWT}"
  },
  "owner_id": ${OWNER_ID},
  "creation_date": {
    "format": "${DATE_VALID_FORMAT_TYPE}",
    "value": "${FORMATTED_DATE}"
  },
  "investment_value": {
    "decimals": ${INT},
    "value": ${INT}
  }
}
```

## Body response

```
{
  "status": ${STATUS},
  "investment_id": ${INT}
}
```

# View Investment

**GET** /api/v1/investments/view

## Body request

```
{
  "_credentials": {
    "token": "${JWT}"
  },
  "investment_id": ${INT},
  "format": "${DATE_VALID_FORMAT_TYPE}",
  "decimals": ${INT}
}
```

## Body response

```
{
  "status": ${STATUS},
  "creation_date": {
    "format": "${DATE_VALID_FORMAT_TYPE}",
    "value": "${FORMATTED_DATE}"
  },
  "initial_amount": {
    "decimals": ${INT},
    "value": ${INT},
  },
  "amount": {
    "decimals": ${INT},
    "value": ${INT},
  }
}
```

# Withdrawal Investment

**POST** /api/v1/investments/withdrawal

## Body request

```
{
  "_credentials": {
    "token": "${JWT}"
  },
  "investment_id": ${INT},
  "format": "${DATE_VALID_FORMAT_TYPE}",
  "decimals": ${INT}
}
```

## Body response

```
{
  "status": ${STATUS},
  "already_withdrawn": ${BOOL},
  "creation_date": {
    "format": "${DATE_VALID_FORMAT_TYPE}",
    "value": "${FORMATTED_DATE}"
  },
  "withdraw_date": {
    "format": "${DATE_VALID_FORMAT_TYPE}",
    "value": "${FORMATTED_DATE}"
  },
  "initial_amount": {
    "decimals": ${INT},
    "value": ${INT},
  },
  "amount": {
    "decimals": ${INT},
    "value": ${INT},
  }
}
```

# View User Investment's List

**GET** /api/v1/investments/user/investments/list

## Body request

```
{
  "_credentials": {
    "token": "${JWT}"
  },
  "user_id": ${INT},
  "format": "${DATE_VALID_FORMAT_TYPE}",
  "decimals": ${INT}
}
```

## Body response

```
{
  "status": ${STATUS},
  "list": [
    {
      "investment_id": ${INT},
      "already_withdrawn": ${BOOL},
      "creation_date": {
        "format": "${DATE_VALID_FORMAT_TYPE}",
        "value": "${FORMATTED_DATE}"
      },
      "withdraw_date": {
        "format": "${DATE_VALID_FORMAT_TYPE}",
        "value": "${FORMATTED_DATE}"
      },
      "initial_amount": {
        "decimals": ${INT},
        "value": ${INT},
      },
      "amount": {
        "decimals": ${INT},
        "value": ${INT},
      }
    }
  ]
}
```