API reference

Authentication

Login

Type: POST
Access point: /api/auth/login
Params: email, password
Succeed value: { result: true, message: <message> }
Failed value: { error: <error> }

Register

Type: POST
Access point: /api/auth/register
Params: first_name, last_name, email, password
Returned value: { result: true, message: <message> }
Failed value: { error: <error> }

Logout

Type: POST
Access point: /api/auth/logout

User

Get logged user

Type: POST
Access point: /api/user/get
Returned value: { result: { user: <user> }, message: <message> }
Failed value: { error: <error> }

Get user by id

Type: POST
Access point: /api/user/one
Params: id
Returned value: { result: { user: <user> }, message: <message> }
Failed value: { error: <error> }

Get all users

Type: POST
Access point: /api/user/all
Returned value: { result: { users: <user>[] }, message: <message> }
Failed value: { error: <error> }

Get user by house id

Type: POST
Access point: /api/user/from-house
Params: id
Returned value: { result: { user: <user> }, message: <message> }
Failed value: { error: <error> }

Update user's profile

Type: POST
Access point: /api/user/update-profile
Params: name, forename, address, additional_address, city, zip_code
Returned value: { result: { user: <user> }, message: <message> }
Failed value: { error: <error> }

Update user's security informations

Type: POST
Access point: /api/user/update-security
Params: email
Returned value: { result: { user: <user> }, message: <message> }
Failed value: { error: <error> }

Block user from selling to the market

Type: POST
Access point: /api/user/block
Params: user_id, time, time_unit
Returned value: { result: true, message: <message> }
Failed value: { error: <error> }

Delete user

Type: POST
Access point: /api/user/delete
Params: user_id
Returned value: { result: true, message: <message> }
Failed value: { error: <error> }

House

Get house by id

Type: POST
Access point: /api/house/one
Params: id
Returned value: { result: { house: <house> }, message: <message> }
Failed value: { error: <error> }

Get house's production

Type: POST
Access point: /api/house/production
Params: id [, from]
Returned value: { result: { production: [<timestamp>, <production>][] }, message: <message> }
Failed value: { error: <error> }

Get house's consumption

Type: POST
Access point: /api/house/consumption
Params: id [, from]
Returned value: { result: { consumption: [<timestamp>, <consumption>][] }, message: <message> }
Failed value: { error: <error> }

Update house's excessive production

Type: POST
Access point: /api/house/update-excessive-production
Params: id, to_buffer_percentage
Returned value: { result: { house: <house> }, message: <message> }
Failed value: { error: <error> }

Update house's under production

Type: POST
Access point: /api/house/update-under-production
Params: id, from_buffer_percentage
Returned value: { result: { house: <house> }, message: <message> }
Failed value: { error: <error> }

CoalPowerPlant

Get coal power plant by id

Type: POST
Access point: /api/coal-power-plant/one
Params: id
Returned value: { result: { coal_power_plant: <coalPowerPlant> }, message: <message> }
Failed value: { error: <error> }

Get coal power plant's production

Type: POST
Access point: /api/coal-power-plant/production
Params: id [, from]
Returned value: { result: { production: [<timestamp>, <production>][] }, message: <message> }
Failed value: { error: <error> }

Update coal power plant's production

Type: POST
Access point: /api/coal-power-plant/update-production
Params: id, buffer_percentage
Returned value: { result: { coal_power_plant: <coalPowerPlant> }, message: <message> }
Failed value: { error: <error> }

Stop coal power plant

Type: POST
Access point: /api/coal-power-plant/stop
Params: id
Returned value: { result: { running: false }, message: <message> }
Failed value: { error: <error> }

Start coal power plant

Type: POST
Access point: /api/coal-power-plant/start
Params: id
Returned value: { result: { running: true }, message: <message> }
Failed value: { error: <error> }

Market

Set electricity price

Type: POST
Access point: /api/market/set-price
Params: price
Returned value: { result: { price: <price> }, message: <message> }
Failed value: { error: <error> }

Get electricity price

Type: POST
Access point: /api/market/price
Params: [from]
Returned value: { result: { price: [<timestamp>, <price>][] }, message: <message> }
Failed value: { error: <error> }

Get modeled electricity price

Type: POST
Access point: /api/market/modeled-price
Params: [from]
Returned value: { result: { modeled_price: [<timestamp>, <modeled_price>][] },
message: <message> }
Failed value: { error: <error> }

Get orders

Type: POST
Access point: /api/market/orders
Returned value: { result: { orders: <orders>[] }, message: <message> }
Failed value: { error: <error> }

Sell electricity to the market

Type: POST
Access point: /api/market/sell
Params: house_id, amount
Returned value: { result: { amount: <amount> }, message: <message> }
Failed value: { error: <error> }

Buy electricity from the market

Type: POST
Access point: /api/market/buy

Params: house_id, amount
Returned value: { result: { amount: <amount> }, message: <message> }
Failed value: { error: <error> }

Weather

Get wind speed

Type: POST
Access point: /api/weather/wind
Params: [from]
Returned value: { result: { wind: [<timestamp>, <speed>][] }, message: <message> }
Failed value: { error: <error> }