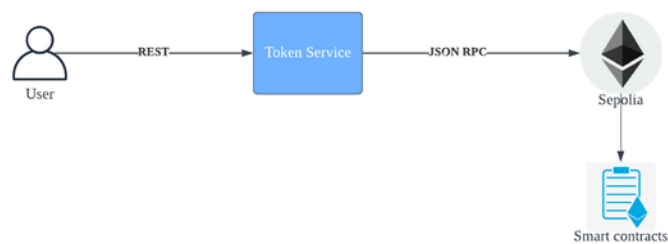# Token service

Introduction

This is a backend service written in NodeJS which provides the REST API endpoints to perform the following functionalities:

- Query for token information including token name, symbol, supply, owner address, decimals

Service design

- User interacts with Token Service via REST API
- Token Service connects to Ethereum Sepolia testnet via a third party RPC endpoint provider (https://rpc.sepolia.org/)

API specifications

Base url: http://localhost:5005

Get token info

Path	Request	Response

GET /token	Parameters
	
	- address: smart contract address to query for info
		- 200: OK
		
		    ◦
		``json
		1 {
		2 "success": true,
		3 "data": {
		4 "name": "MyToken",
		5 "symbol": "MTK",
		6 "decimals": 18,
		7 "address": "0x4Db31A166578D5F7FbDF829875Cc456f43F7F245",
		8 "owner": "0xd6B51051FB66a0EC43fC294c5cca2dd5Fb68A3bC"
		9 }
		10 }
		``
		
		- 400: bad request
		- 500: internal server error

Deployment instructions

1. Go to project root folder
2. Install dependencies: `npm install`

3. Build project: `npm run build`

4. Start service: `npm run start`

5. Service is ready at http://localhost:5005