

Getting started

Prerequisites

1. Install necessary dependencies
2. Install Tessera

Starting Tessera and sending a payload

1. Generate keys

Generate a key pair in files called `myKey.pub` and `myKey.key`.

```
Bash
tessera -keygen -filename myKey
```

When prompted to enter a password, press enter to generate an unlocked key.

Caution

We are using unlocked keys for educational purposes only. Ensure private keys are secured appropriately in production environments.

2. Create a configuration file

Create a file called `tessera.conf` and add the following properties.

```
Tessera configuration file
{
  "useWhiteList": false,
  "jdbc": {
    "username": "sa",
    "password": "",
    "url": "jdbc:h2:./target/h2/tessera1",
    "autoCreateTables": true
  },
  "serverConfigs": [
    {
      "app": "ThirdParty",
      "enabled": true,
      "serverAddress": "http://localhost:9081",
      "communicationType": "REST"
    },
    {
      "app": "Q2T",
      "enabled": true,
      "serverAddress": "unix:/tmp/test.ipc",
      "communicationType": "REST"
    },
    {
      "app": "P2P",
      "enabled": true,
      "serverAddress": "http://localhost:9001",
      "sslConfig": {
        "tls": "OFF"
      },
      "communicationType": "REST"
    }
  ],
  "peer": [
    {
      "url": "http://localhost:9001"
    },
    {
      "url": "http://localhost:9003"
    }
  ],
  "keys": {
    "passwords": [],
    "keyData": [
      {
        "privateKeyPath": "myKey.key",
        "publicKeyPath": "myKey.pub"
      }
    ]
  },
  "alwaysSendTo": []
}
```

3. Start Tessera node

```
tessera -configfile tessera.conf
```

Tip

If the command line help is displayed, enable debugging and try again.

```
tessera --debug -configfile tessera.conf
```

4. Upcheck

Use the `upcheck` method to confirm Tessera is up and running.

```
Request Result
curl http://localhost:9081/upcheck
```

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3. Start Tessera node
4. Upcheck