

Configure Tessera enclave

You must configure an [enclave](#) in the Tessera [configuration file](#) . Enclave configuration depends on the [enclave type](#) used.

Local enclave

To configure a [local enclave](#) , in the [configuration file](#) :

- Do not configure an [ENCLAVE server](#)
- .
- Configure the [enclave's keys](#)
- .

Local enclave configuration { "keys": { "keyData": [{ "privateKey": "yAWAJjwPqUtNVlqGjSrBmr1/ilkghuOh1803Yzx9jLM=", "publicKey": "/+UuD63zItL1EbxxKULjMgG8Z1w0AJ8pNOR4iq2yQc=" }] }, "alwaysSendTo": [], ... } Starting the transaction manager starts the local enclave as part of the same process:

start the transaction manager and enclave

```
tessera --configfile /path/to/tm-config.json
```

Remote HTTP enclave

To configure a [remote HTTP enclave](#) , you must configure the enclave and [transaction manager](#) in separate [configuration files](#) .

In the remote HTTP enclave configuration file:

- Configure an [ENCLAVE server](#)
- . Include TLS configuration as appropriate, with the transaction manager as a client of the enclave.
- Configure the [enclave's keys](#)
- .

Remote HTTP enclave configuration file { "serverConfigs": [{ "app": "ENCLAVE", "serverAddress": "http://localhost:8080", "bindingAddress": "http://0.0.0.0:8080" }], "keys": { "keyData": [{ "privateKey": "yAWAJjwPqUtNVlqGjSrBmr1/ilkghuOh1803Yzx9jLM=", "publicKey": "/+UuD63zItL1EbxxKULjMgG8Z1w0AJ8pNOR4iq2yQc=" }] }, "alwaysSendTo": [] } In the transaction manager configuration file:

- Configure an [ENCLAVE server](#)
- . Include TLS configuration as appropriate.
- Do not configure any keys.

Remote HTTP enclave configuration in the transaction manager configuration file { "serverConfigs": [{ "app": "ENCLAVE", "serverAddress": "http://localhost:8080", }, { "app": "Q2T", ... }, ...] } The remote HTTP enclave must be started before the transaction manager:

start the enclave

```
enclave-jaxrs/bin/enclave-jaxrs --configfile /path/to/enclave-config.json
```

start the transaction manager

tessera --configfile /path/to/tm-config.json If using vault-stored keys, the corresponding key vault JAR must be included on the classpath:

start the enclave

```
cp hashicorp-key-vault/lib/* path/to/enclave-jaxrs-[version]/lib path/to/enclave-jaxrs-[version]/bin/enclave-jaxrs -configfile /path/to/enclave-config.json Edit this page Last updated on Oct 9, 2023 by dependabot[bot] Previous Overview Next Keys
```