

# Tessera private transaction manager

## What is Tessera?

Tessera is an open-source private transaction manager developed under the Apache 2.0 license and written in Java. The primary application of Tessera is as the privacy manager for privacy-enabled Ethereum clients such as [GoQuorum](#) and [Hyperledger Besu](#).

## What can you do with Tessera?

Tessera:

- Generates and maintains private/public key pairs.
- [Self-manages](#)
- and [discovers](#)
- all nodes in the network.
- Provides [an API](#)
- for communicating between Tessera nodes and with privacy-enabled Ethereum clients.
- Provides two-way SSL using [TLS certificates](#)
- and various trust models such as [trust on first use \(TOFU\)](#)
- , [allowlist](#)
- , and [certificate authority](#)
- .
- Supports [IP allowlist](#)
- .
- Connects to any [SQL DB](#)
- which supports the JDBC client.

## Is Tessera part of ConsenSys Quorum?

Yes. [ConsenSys Quorum](#) is the complete open source blockchain layer with enterprise support available from ConsenSys.

## New to ConsenSys Quorum?

Get started with the [Quorum Developer Quickstart](#). Use the quickstart to rapidly generate local Quorum blockchain networks.

Learn about [use cases for Enterprise Ethereum](#). [Edit this page](#) Last updated on Oct 9, 2023 by [dependabot\[bot\]](#) [Next Concepts](#)