

# Configure multiple private states

To use [multi-tenancy](#) , you must enable [GoQuorum multiple private states \(MPS\)](#) .

To do this, set [enableMultiplePrivateStates](#) in the Tesseract [configuration file](#) to true .

Enable MPS configuration "features" : { "enableMultiplePrivateStates" : "true" }

## Resident groups

When MPS is enabled, all keys configured must belong to a [resident privacy group](#) , or resident group. Specify `residentGroups` in the configuration file as shown in the following example.

Resident group configuration "residentGroups": [ { "name": "PS1", "members": ["publicKey1", "publicKey2"], "description": "Private state 1" }, { "name": "PS2", "members": ["publicKey3", "publicKey4"], "description": "Private State 2" } ] Tesseract loads the resident group configuration, performs the following validations during startup (when `enableMultiplePrivateStates` is set to true ), and persists relevant data to its database:

- All members of resident groups must be locally managed by the node.
- A member can't be configured to belong to more than one resident group at any time (all history considered).
- All keys configured must belong to a resident group and no key can be left out.

important Tesseract can't start with `enableMultiplePrivateStates` set to true AND an invalid resident group configuration. [Edit this page](#) Last updated on Oct 9, 2023 by [dependabot\[bot\]](#) [Previous Database](#) [Next Cryptographic elliptic curves](#)