Node Configuration

Node types

There are a few node types that can be run on Sei network which serve a variety of purposes. These include:

- rpc / full nodes:
- these nodes are generally used for querying data or interacting with the chain. They maintain
- some state but not since genesis. The default settings will run rpc / full nodes.
- archive nodes:
- maintain full state of the blockchain from genesis. Generally requires large disks. To enable this
- type of node, setmin-retain-blocks=0
- andpruning="nothing"
- in yourapp.toml
- state sync nodes:
- provide snapshot data for other nodes to use to bootstrap onto the chain. To enable this type
- of node, setenable=true
- under the[statesync]
- section inconfig.toml
- validator nodes:
- provide security to the chain by proposing and signing blocks. To enable this type of node, setmode=validator
- inconfig.toml
- . Note that because Sei is proof-of-stake, you must have enough delegation to join the
- active set

Commonly Used Ports

Seid uses the following TCP ports. Toggle their settings to match your environment.

- 26656
- : The default port for the P2P protocol. This port is used to communicate with other nodes and must be open to
- join a network.
- 1317
- : The default port for interacting with the Seid API server for HTTP RESTful requests. This allows applications
- and services to interact with theseid
- instance through RPC.
- 26660
- : The default port for interacting with the Prometheus database, which can be used to monitor the environment.
- In the default configuration, this port is not open.
- 26657
- : The default port for the RPC protocol. Because this port is used for querying and sending transactions, it
- must be open for serving queries fromseid
- .

These ports are all customizable inHOME/.sei/config/config.toml andHOME/.sei/config/app/toml discussed in the later sections along with other fields.

Systemd File Template

[Unit] Description= Sei Node After= network.target

[Service] User= Type= simple ExecStart= /seid start --chain-id Restart= always

wait 30 seconds before restarting the service after it has failed.

RestartSec= 30

wait up to 30 seconds for the service to stop gracefully when it is being stopped.

TimeoutStopSec= 30

send the SIGINT signal (equivalent to pressing Ctrl-C) to the service process when it is being stopped

giving it a chance to shut down gracefully.

KillSignal= SIGINT LimitNOFILE= 65535

[Install] WantedBy= multi-user.target Last updated onMarch 12, 2024[Quickstart](#) [Configure General Settings](#)