

Validator Guide: Monitoring a Validator

Check Gossip

Confirm the IP address and identity pubkey of your validator is visible in the gossip network by running:

```
solana gossip
```

Check Your Balance

Your account balance should decrease by the transaction fee amount as your validator submits votes, and increase after serving as the leader. Pass the `--lamports` to observe in finer detail:

```
solana balance --lamports
```

Check Vote Activity

The `solana vote-account` command displays the recent voting activity from your validator:

```
solana vote-account ~/vote-account-keypair.json
```

Get Cluster Info

There are several useful JSON-RPC endpoints for monitoring your validator on the cluster, as well as the health of the cluster:

Similar to `solana-gossip`, you should see your validator in the list of cluster nodes

```
curl -X POST -H "Content-Type: application/json" -d '{"jsonrpc":"2.0","id":1, "method":"getClusterNodes"}'
http://api.devnet.solana.com
```

If your validator is properly voting, it should appear in the list of current vote accounts. If staked, stake should be > 0

```
curl -X POST -H "Content-Type: application/json" -d '{"jsonrpc":"2.0","id":1, "method":"getVoteAccounts"}'
http://api.devnet.solana.com
```

Returns the current leader schedule

```
curl -X POST -H "Content-Type: application/json" -d '{"jsonrpc":"2.0","id":1, "method":"getLeaderSchedule"}'
http://api.devnet.solana.com
```

Returns info about the current epoch. `slotIndex` should progress on subsequent calls.

```
curl -X POST -H "Content-Type: application/json" -d '{"jsonrpc":"2.0","id":1, "method":"getEpochInfo"}'
http://api.devnet.solana.com
```

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