# **Initialize and Configure Geth**

#### 1. Initialise with Genesis

```
Prot@DESKTOP-47VQQDK:-/avail-project/op-geth# mkdir datadir mkdir: cannot create directory (datadir': file exists

Prot@DESKTOP-47VQQDK:-/avail-project/op-geth# build/bin/geth init inko [10-29] 03:52:16.746] Maximum peer count ETH=50 total=50

INFO [10-29] 03:52:16.781 Maximum peer count ETH=50 total=50

INFO [10-29] 03:52:16.782] Set global gas cap cap (10-29] 03:52:16.783] Initializing the KZG library inko [10-29] 03:52:16.840] Defaulting to pebble as the backing database inko [10-29] 03:52:16.840] Allocated cache and file handles database inko [10-29] 03:52:16.890] State schema set to default genesis.json

INFO [10-29] 03:52:16.840] Allocated cache and file handles inko [10-29] 03:52:16.890] State schema set to default genesis.json

INFO [10-29] 03:52:16.840] Allocated cache and file handles inko [10-29] 03:52:16.840] Mitting custom genesis block inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database chaindata hash=b93f37..8dd478

INFO [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database inko [10-29] 03:52:17.373] Defaulting to pebble as the backing database i
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### 2. Run op-geth

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### 3. Run op-node

## 4. Run op-batcher

```
ProtqDESKTOP-47VGQDX:-yavail-project/optials/mg-batcher | /bin/op-batcher |
ProtqDESKTOP-47VGQDX:-yavail-project/optimis/mg-batcher | /bin/op-batcher |
ProtqDESKTOP-47VGQDX:-yavail-project/optimis/mg-batcher |
ProtqDESKTOP-47VGQX:-yavail-project/optimis/mg-batcher |
ProtqDESKTOP-47VGQX:-yavail-project/optimis/mg-batcher |
ProtqDESKTOP-47VGQX:-yavail-project/optimis/mg-batcher |
ProtqDESKTOP-47VGQX:-yavail-project/opti
```

### 5. Run op-proposer

```
root@DESKTOP-47VGQDK:~/avail-project/optimism/op-proposer# ./bin/op-proposer --poll-interval=12s
-rpc.port=9560 --rollup-rpc=http://localhost:8547 --l2oo-address=$L200_ADDR --private-key=$PROPO
proposal-interval 3s
t=2024-10-31T04:07:42+0000 lvl=crit msg="Application failed" message="failed to setup: invalid CLI fla
gs: neither the `DisputeGameFactory` nor `L2OutputOracle` address was provided"
root@DESKTOP-47VGQDK:~/avail-project/optimism/op-proposer# ./bin/op-proposer --poll-interval=12s
-rpc.port=9560 --rollup-rpc=http://localhost:8547 --l2oo-address=$L200_ADDR --private-key=$PROPO
-proposal-interval 3s
INFO [10-31|04:07:56.425] Initializing L2Output Submitter
WARN [10-31|04:07:56.530] failed to dial address, but may connect later addr=http://localhost:8547
WARN [10-31|04:07:58.547] failed to dial address, but may connect later addr=http://localhost:8547
WARN [10-31 04:08:00.550] failed to dial address, but may connect later addr=http://localhost:8547
WARN [10-31 04:08:02.556] failed to dial address, but may connect later addr=http://localhost:8547
WARN [10-31|04:08:03.086] failed to dial address, but may connect later addr=http://localhost:8547
WARN [10-31|04:08:05.087] failed to dial address, but may connect later addr=http://localhost:8547
```