

Node Troubleshooting

This page lists common troubleshooting scenarios and solutions for node operators.

401 Unauthorized: Signature Invalid

If you see a log that looks like this inop-node :

WARN [12-13|15:53:20.263] Derivation process temporary error attempts=80 err="stage 0 failed resetting: temp: failed to find the L2 Heads to start from: failed to fetch current L2 forkchoice state: failed to find the finalized L2 block: failed to determine L2BlockRef of finalized, could not get payload: 401 Unauthorized: signature is invalid It means that theop-node is unable to authenticate withop-geth 's authenticated RPC using the JWT secret. To fix:

1. Check that the JWT secret is correct in both services.
2. Check thatop-geth
3. 's authenticated RPC is enabled, and that the URL is correct.

403 Forbidden: Invalid Host Specified

If you see a log that looks like this inop-node :

{"err": "403 Forbidden: invalid host specified\n", "lvl": "error", "msg": "error getting latest header", "t": "2022-12-13T22:29:18.932833159Z"} It means that you have not whitelistedop-node 's host withop-geth . To fix:

1. Make sure that the--authrpc.vhosts
2. parameter inop-geth
3. is either set to the correct host, or*
4. .
5. Check thatop-geth
6. 's authenticated RPC is enabled, and that the URL is correct.

Failed to Load P2P Config

If you see a log that looks like this inop-node :

CRIT [12-13|13:46:21.386] Application failed message="failed to load p2p config: failed to load p2p discovery options: failed to open discovery db: mkdir /p2p: permission denied" It means that theop-node does not have write access to the P2P discovery or peerstore directories. To fix:

1. Make sure that theop-node
2. has write access to the P2P directory. By default, this is/p2p
3. .
4. Set the P2P directory to somewhere theop-node
5. can access via the--p2p.discovery.path
6. and--p2p.peerstore.path
7. parameters.
8. Set the discovery path to memory
9. to disable persistence via the--p2p.discovery.path
10. and--p2p.peerstore.path
11. parameters.

Wrong Chain

If you see a log that looks like this inop-node :

{"attempts":183,"err": "stage 0 failed resetting: temp: failed to find the L2 Heads to start from: wrong chain L1: genesis: 0x4104895a540d87127f11eef0d51d8f63ce00a6fc211db751a45a4b3a61a9c83:8106656, got 0x12e2c18a3ac50f74d3dd3c0ed7cb751cc924c2985de3dfed44080e683954f1dd:8106656", "lvl": "warn", "msg": "Derivation process temporary error", "t": "2022-12-13T23:31:37.855253213Z"} It means that theop-node is pointing to the wrong chain. To fix:

1. Verify that theop-node
2. 's L1 URL is pointing to the correct L1 for the given network.
3. Verify that theop-node
4. 's rollup config/--network
5. parameter is set to the correct network.

6. Verify that the op-node
7. 's L2 URL is pointing to the correct instance of op-geth
8. , and that op-geth
9. is properly initialized for the given network.

[Monitoring Network Upgrades](#)