

Troubleshooting: Chain Operations

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

EvmError in Contract Deployment

L1 smart contract deployment fails with the following error:

EvmError: Revert

Solution

The OP Stack uses deterministic smart contract deployments to guarantee that all contract addresses can be computed ahead of time based on a "salt" value that is provided at deployment time. Each OP Stack chain must have a unique salt value to ensure that the contract addresses do not collide with other OP Stack chains.

You can avoid this error by changing the salt used when deploying the L1 smart contracts. The salt value is set by the `IMPL_SALT` environment variable when deploying the contracts. The `IMPL_SALT` value must be a 32 byte hex string.

You can generate a random salt value using the following command:

```
export IMPL_SALT = ( openssl  
rand  
-hex  
32 )
```

Failed to Find the L2 Heads to Start From

op-node fails to execute the derivation process with the following error:

```
WARN [02-16|21:22:02.868] Derivation process temporary error attempts=14 err="stage 0 failed resetting: temp: failed to find the L2 Heads to start from: failed to fetch L2 block by hash  
0x0000000000000000000000000000000000000000000000000000000000000000: failed to determine block-hash of hash  
0x0000000000000000000000000000000000000000000000000000000000000000, could not get payload: not found"
```

Solution

This error can occur when the data directory for `op-gets` becomes corrupted (for example, as a result of a computer crash). You will need to reinitialize the data directory.

If you are following the tutorial for [Creating Your Own L2 Rollup](#), make sure to rerun the commands within the [initializeop-gets](#) section.

If you are not following the tutorial, make sure to take the following steps:

1. Stop `op-node`
2. `andop-gets`
3. `.`
4. Delete the corresponding `op-gets`
5. data directory.
6. If running a Sequencer node, import the Sequencer key into the `op-gets`
7. keychain.
8. Reinitialize `op-gets`
9. with the `genesis.json`
10. file.
11. Restart `op-gets`
12. `andop-node`
13. `.`

Batcher Unable to Publish Transaction

op-batcher fails to publish transactions with the following error:

```
INFO [03-21|14:22:32.754] publishing transaction service=batcher txHash=2ace6d..7eb248 nonce=2516
```

gasTipCap=2,340,741 gasFeeCap=172,028,434,515 ERROR[03-21|14:22:32.844] unable to publish transaction
service=batcher txHash=2ace6d..7eb248 nonce=2516 gasTipCap=2,340,741 gasFeeCap=172,028,434,515 err="insufficient
funds for gas * price + value"

Solution

You will observe this error if theop-batcher runs out of ETH to publish transactions to L1. This problem can be resolved by sending additional ETH to theop-batcher address.

[Key Management Preinstalls](#)