

Troubleshooting

Chain configuration

Within your working directory, you may find a `config/` folder containing a `chains.yaml` file. This `chains.yaml` configuration file allows you to describe chain metadata for use in Hyperlane deployments or apps.

You can define a full configuration for any new chain in this file. The metadata that can be configured is defined in this [example configuration](#). You can also find the chain metadata schema at [chainMetadataTypes.ts](#).

Here's an example configuration for two local anvil chains:

```
anvil1 : chainId :  
31337 domainId :  
31337 name : anvil1 protocol : ethereum rpcUrls : -  
http : http : //localhost : 8545 nativeToken : name : Ether symbol : ETH decimals :  
18 anvil2 : chainId :  
31338 domainId :  
31338 name : anvil2 protocol : ethereum rpcUrls : -  
http : http : //localhost : 8555 You can also extend a core chain config by providing the fields to be overridden:
```

```
sepolia : blocks : confirmations :  
2
```

Override RPC URLs

You can override the RPC urls by extending the core chain config.

In the example below, you can see how to define an array of RPCs and also adjust the retry parameters for any of them.

```
demochain : name : demochain chainId :  
123456 domainId :  
123456 protocol : ethereum rpcUrls : -  
http : https : //rpc - testnet.demochain.gg sepolia : rpcUrls : -  
http : https : //rpc2.sepolia.org -  
http : https : //some - other - sepolia - rpc.gg retry : maxRequests :  
10
```

Override transaction settings

Transaction overrides are any properties to include when forming transaction requests. For example:

- gasPrice
- : number | string
- maxFeePerGas
- : number | string
- maxPriorityFeePerGas
- : number | string
- nonce
- : number | string
- type
- : number
- ccipReadEnabled

- : boolean

In the example below we're using a gas price of 7 gwei, hardcoding the nonce, and setting a maximum value for the base and priority fees.

sepolia : transactionOverrides : gasPrice :

70000000000

7 gwei

maxFeePerGas :

1500000000000

150 gwei

maxPriorityFeePerGas :

400000000000

40 gwei

nonce :

1337 warning If you are overriding the nonce in the chain configuration, ensure you are updating the value on successful transactions. [Edit this page](#) [Previous](#) [Get Started](#) [Next](#) [Explorer](#)