

How to run a feed relay

caution If running a single node, there is no need to run a feed relay. When running more than one node, it is strongly suggested to run a single feed relay per datacenter, which will reduce ingress fees and improve stability. caution Feed endpoints will soon require compression with a custom dictionary, so if connecting to feed with anything other than a standard node, it is strongly suggested to run a local feed relay which will provide an uncompressed feed by default. The feed relay is in the same docker image as the Nitro node.

- Here is an example of how to run the feed relay for Arbitrum One:docker
- run --rm -it -p
- 0.0
- .0.0:9642:9642 --entrypoint relay offchainlabs/nitro-node:v2.3.2-064fa11 --node.feed.output.addr
- =
- 0.0
- .0.0 --node.feed.input.url
- =
- wss://arb1.arbitrum.io/feed --chain.id
- =
- 42161
- Here is an example of how to run nitro-node for Arbitrum One with custom relay:docker
- run --rm -it -v /some/local/dir/arbitrum:/home/user/.arbitrum -p
- 0.0
- .0.0:8547:8547 -p
- 0.0
- .0.0:8548:8548 offchainlabs/nitro-node:v2.3.2-064fa11 --parent-chain.connection.url
- =
- https://l1-mainnet-node:8545 --chain.id
- =
- 42161
- --http.api
- =
- net,web3,eth --http.corsdomain
- =
- - --http.addr
- =
- 0.0
- .0.0 --http.vhosts
- =
- - --node.feed.input.url
- =
- ws://local-relay-address:9642

Note that Arbitrum classic does not communicate with Nitro sequencer, so classic relay is no longer used.

Helm charts (Kubernetes)

If you are using [Kubernetes](#) to run your feed relay, a helm chart is available at [ArtifactHUB](#). It supports running a Nitro relay by providing the feed input URL. Find more information in the [OCL community Helm charts repository](#). [Edit this page](#) Last updated on Mar 7, 2024 [Previous How to configure the Data Availability Committee \(DAC\) in your chain](#) [Next How to read the sequencer feed](#)