

How to Remove Trusted Relay ISM from Warp Route

Using the Hyperlane CLI

When first deploying with the CLI, new warp routes use a Trusted Relay ISM out of the box so you don't need to run a relay or validator.

In order to go to production, you'll need to remove this ISM with the [Hyperlane CLI](#).

Prerequisites

- The warp route config.* For new deployments, this config may take the filepath of `CURRENT_DIR/configs/warp-route-deployment.yaml`
- - .
- - For existing deployment, the config can be generated by using `hyperlane warp read`
- - if it exists in the Registry.
- The warp route token symbol.* The token symbol can be found onchain, or in your local Hyperlane Registry. By default, it is written to `HOME/.hyperlane/deployments/warp_routes/`
- - .
- Access to the private key that currently owns the warp route.

info If you followed the [Deploy a Warp Route](#) guide, you most likely have deployed a warp route with a trusted relay set to a signer address. To confirm using the Hyperlane CLI, locate your token symbol and the chain on which it is deployed:

```
hyperlane warp read
```

```
--symbol
```

```
< tokenSymbol
```

You can then choose the warp route for which you're removing the trusted relay.

After running `warp read`, you should see a similar config under `interchainSecurityModule` containing `trustedRelayerIsm`:

```
yourchain : ... interchainSecurityModule : address :
```

```
"0xd54d32cD6a62482497252D59E6cCC1445fF0b92d" type :
```

```
"staticAggregationIsm" modules : -
```

```
address :
```

```
"0x50b6dA835D9b8b20523891410a2E042855B465C8" relay :
```

```
"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" type :
```

"trustedRelayerIsm"

```
owner :
```

```
"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" address :
```

```
"0xcE512189fF1BD41186E9eDda02BF321Fb1FC6eAc" type :
```

```
"defaultFallbackRoutingIsm" domains :
```

```
{ } threshold :
```

1 This particular config has `trustedRelayerIsm` as part of the `staticAggregationIsm`.

This means that the relay address will be allowed to call the Warp Route's `handle()` function. In other words, the relay can execute arbitrary messages on the Warp Route. This may be undesirable in cases outside of the self-relaying feature.

By default, `warp read` will save the output to `CURRENT_DIR/configs/warp-route-deployment.yaml`. Follow these steps using

the CLI to transfer the existing ownership to another address.

Step 1: Configuration

Update the `warp-route-deployment.yaml` by removing the `trustedRelayerIsM` block from `modules`. Alternatively, you can configure the entire `modules` block as desired.

```
warp-route-deployment.yaml yourchain: mailbox: '0x979Ca5202784112f4738403dBec5D0F3B9daabB9' owner:
'0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266' interchainSecurityModule: address:
'0xd54d32cD6a62482497252D59E6cCC1445fF0b92d' type: 'staticAggregationIsM' modules: - - address:
'0x50b6dA835D9b8b20523891410a2E042855B465C8' - relayer: '0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266' - type:
trustedRelayerIsM - owner: '0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266' address:
'0xcE512189f1BD41186E9eDda02BF321Fb1FC6eAc' type: 'defaultFallbackRoutingIsM' domains: {} threshold: 1 name:
Ether symbol: ETH decimals: 18 totalSupply: 0 type: native
```

Step 2: Apply

Using the CLI, execute:

```
hyperlane warp apply \ --symbol
```

```
< tokenSymbol
```

```
\ --config
```

(`pwd`) /`configs/warp-route-deployment.yaml` You should see a batch of transactions executed on chain, and a final message indicating that the warp config has been updated.

Step 3: Confirm

To confirm that the trusted relayer was successfully removed using the Hyperlane CLI, run the following command with your token symbol and the chain it is deployed on:

```
hyperlane warp read
```

```
--symbol
```

```
< tokenSymbol
```

After running `warp read`, confirm that the trusted relayer ISM has been removed from your warp route (In this example, it should only contain the remaining `defaultFallbackRoutingIsM`). You should see a similar config under `interchainSecurityModule`:

```
yourchain : mailbox :
```

```
"0x979Ca5202784112f4738403dBec5D0F3B9daabB9" owner :
```

```
"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" interchainSecurityModule : address :
```

```
"0x8af9445d8A3FbFBd1D5dF185B8a4533Ab060Cf36" type :
```

```
"staticAggregationIsM" modules : -
```

```
owner :
```

```
"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" address :
```

```
"0xBe0232d5d45f9aD8322C2C4F84c39e64302Cd996" type :
```

```
"defaultFallbackRoutingIsM" domains :
```

```
{ } threshold :
```

```
1 name :
```

```
"Ether" symbol :
```

```
"ETH" decimals :
```

```
18 totalSupply :
```

0 type :

"native" By completing these steps, you've successfully removed the trusted relayer ISM from your Warp Route and enhanced the security of your warp route setup. Your warp route is now ready for production use. [Edit this page](#) [Previous](#) [How to Transfer Ownership from Hyperlane Mailbox](#) [Next](#) [How to Transfer Ownership of Your Hyperlane Warp Route](#)