

# How to Update Mailbox Default ISM

## Using the Hyperlane CLI

When first deploying with the CLI, a new mailbox uses a Trusted Relayer ISM out of the box so you don't need to run a relayer or validator.

In order to go to production, you'll need to remove this ISM with the Hyperlane CLI.

### Prerequisites

- The core config generated by `hyperlane core init`
- `.*` This config is used to deploy core contracts, including the mailbox. By default, it takes the filepath of `CURRENT_DIR/configs/core-config.yaml`
- - `.`
- The chain that the mailbox was deployed to.
- Access to the private key that currently owns the mailbox.

info If you followed the [How to Connect Your Chain with Hyperlane](#) guide, you may have deployed a mailbox with the owner set to the single private key. In production, it is advisable to use a multisig. To confirm using the Hyperlane CLI, execute the following with `--chain` set to the name of your chain that the mailbox is deployed on:

`hyperlane core read`

`--chain`

`< yourChain`

After running `core read`, you should see a similar config with owner set to private key's address:

`defaultHook : address :`

`"0xC2E88eC0aB5FDB9756CD3EFEE40D24120fFa6E57" type :`

`"merkleTreeHook" defaultIsM : address :`

`"0xF37395A79f56268FD0040E1f5711e9Af974a545A" relayer :`

`"0xa5558cA30cd9952Ab0e2349C274a3736698bD60e" type :`

`"trustedRelayerIsM" owner :`

`"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" requiredHook : address :`

`"0x390d29a822C21F57B163F1173cD43382bd643401" beneficiary :`

`"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" maxProtocolFee :`

`"10000000000000000000" owner :`

`"0xf39Fd6e51aad88F6F4ce6aB8827279cFfB92266" protocolFee :`

`"0" type :`

`"protocolFee"` The output is saved to `CURRENT_DIR/configs/core-config.yaml`.

This particular config has a `trustedRelayerIsM`. This means contracts (e.g., warp routes) that fallback to the mailbox's `defaultIsM` will give permission to relayer address to execute arbitrary messages. This may be undesirable in cases outside of the self-relaying feature. Follow these steps using the CLI to update the existing default ISM to a different configuration.

### Step 1: Update Configuration

Alternatively, you can update the relayer address to something else (e.g., "burn" it by setting it to an inaccessible address).

`core-config.yaml` `defaultHook: address: "0xC2E88eC0aB5FDB9756CD3EFEE40D24120fFa6E57" type: merkleTreeHook`  
`defaultIsM: address: "0xF37395A79f56268FD0040E1f5711e9Af974a545A" - relayer:`

warning Configuring ISMs is an advanced feature that require knowledge of different ISM types and how they work together topologically. core-config.yaml defaultHook: address: "0xC2E88eC0aB5FDB9756CD3EFEE40D24120fFa6E57" type: merkleTreeHook defaultIsm: - address: "0xF37395A79f56268FD0040E1f5711e9Af974a545A" - relayer: "0xa5558cA30cd9952Ab0e2349C274a3736698bD60e" - type: trustedRelayerIsm + threshold: 1 + type: messageIdMultisigIsm + validators: + - "0xa5558cA30cd9952Ab0e2349C274a3736698bD60e" owner: "0xa5558cA30cd9952Ab0e2349C274a3736698bD60e" requiredHook: address: "0x4f54055C94DCbC2b502146D46909A2cC7461c5D8" beneficiary: "0xa5558cA30cd9952Ab0e2349C274a3736698bD60e" maxProtocolFee: "10000000000000000" owner: "0xa5558cA30cd9952Ab0e2349C274a3736698bD60e" protocolFee: "0" type: protocolFee

"protocolFee" By completing these steps, you've successfully updated the mailbox default ISM and enhanced the security of your mailbox. Your mailbox is now ready for production use. [Edit this page](#) [Previous](#) [How to Go to Production with your Hyperlane Deployment](#) [Next](#) [How to Transfer Ownership from Hyperlane Mailbox](#)