# [READY TO SIGN] Runbook: Support EAS

Sep 5, 2023

### Context

Optimism deployed SchemaRegistry and EAS contracts (part of <u>Ethereum Attestation Service</u>) to Predeploys (see <u>here</u>). We are adding the same setup to Base to keep feature parity and also since several teams are requesting it.

## Steps

1. Pull main branch of base-org/contract-deployments:

```
cd contract-deployments
git pull origin main
```

- 2. Ledger setup:
  - a. Ledger needs to be connected and unlocked
  - b. Ethereum application needs to be opened on Ledger with the message "Application is ready"
- 3. Signing:

The script you will run will test that the multisig you are in can successfully complete a contract upgrade (therefore proving ownership). It does so using test contracts, so that we can simulate *as if* the Safe was the owner before actually transferring ownership.

First get to the directory for this task:

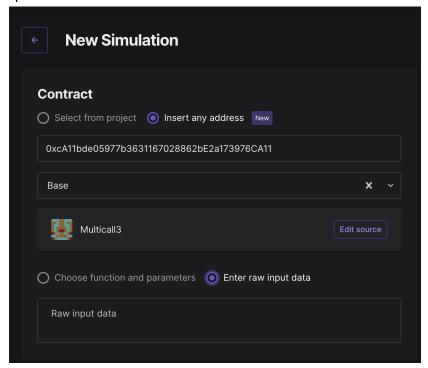
```
cd mainnet/2023-08-15-support-eas && make deps
```

Make sure your ledger is still unlocked and run the following (note that it might take a minute to install dependencies). Before actually signing with your ledger, go to next step.

```
make sign-op # Or make sign-cb for Coinbase signers
```

### 4. Validations:

During signing, a Tenderly simulation link will be outputted. Paste this in your browser. You *may* see a message like this in your terminal - Insert the following hex into the 'Raw input data' field. If so, in Tenderly select the "Enter raw input data option" and enter the data there.



### Validate the following:

a. The Nested hash: the value printed to the terminal matches the Tenderly hashToApprove under approveHash and the dataHash when checking the signatures for the actual tx execution. Example where hash is 0x61c74...:

```
CALL

D-CALL

JUMP

CALL

D-CALL

JUMP

CALL

D-CALL

JUMP

CALL

JUMP

CALL

JUMP

CALL

JUMP

CALL

JUMP

JUMP
```

b. The Data to sign: value printed to the terminal (and showed on the ledger screen) matches the data field when checking the signatures for the approveHash tx. Example where hash is 0x19014e...:

- c. The state changes include
  - - 0x75505a97BD334E7BD3C476893285569C4136Fa0F

If all validations check out, sign the payload with your ledger.

5. Send output to Facilitator(s). Note: Nothing occurred onchain - these are offchain signatures which will be collected by Facilitators for execution. Execution can occur by anyone once a threshold of signatures are collected, so a Facilitator will do the final execution for convenience.

Format should be something like this:

Data: <DATA>
Signer: <ADDRESS>

Signature: <SIGNATURE>

6. Congrats, you are done! 🔐