

# Set up a multisig wallet on Avail DA

You can use the [avail-apps\(opens in a new tab\)](#) explorer to set up and start using a multisig wallet on Avail DA. This guide will show you how to do so.

## PREREQUISITES

The only prerequisite is that you have access to one or more Avail DA accounts. Refer to our docs on [setting up an Avail wallet](#) for more details if needed

## Create a multisig wallet on Avail DA

### Import the signatory accounts

You need to import into the explorer all the accounts you want added as signatories to the multisig.

There are two ways to do this:

Via address book Import a json file 1. Go to the [addresses \(opens in a new tab\)](#) 2. page of the explorer. 3. Click on Add contact 4. and save any addresses you want.

### Start setting up the multisig

Go to the [accounts page of the avail-apps explorer\(opens in a new tab\)](#), and click on Multisig . This will give you a UI interface that will allow you to configure your multisig wallet.

DOUBLE CHECK Please note that a multisig account created on one network won't be created automatically on another. This tutorial is based on the Turing testnet, but will work just as well for Avail DA mainnet too.

### Configure the multisig

1. Select all the signatories you want to include in the multisig wallet.
2. You can do so either by:\* Importing addresses from your address book, or,
3.
  - by uploading the json file outlined in step 1
4.
  - .
5. Select the threshold
6. value for the multisig. It represents the minimum number of addresses that need to approve a transaction
7. for it to be executed. A threshold
8. value of 2
9. in our case would mean that any 2
10. of the 3
11. signatories can perform
12. a transaction from the multisig.
13. Choose an appropriate name for the multisig.
14. Click on Create
15. . BUT WHAT OF OTHER SIGNATORIES?

An obvious question that pops up is how will other signatories import the multisig wallet into the avail-apps explorer on their own machine? Due to the way the multisig wallet works on Avail DA, a multisig derived from the same set of addresses and the same threshold value will always have the same address. Thus, all signatories can simply create a multisig on their machine with addresses of all the other signatories along with a constant threshold value to derive the same 'multisig address'. Alternatively, a single json file with all signatories can be created and shared among all signatories. The next steps will take you through using your multisig wallet for the first time. Please send some tokens to the multisig's address before proceeding.

## Use a multisig wallet on Avail DA

### Create a transaction to transfer funds

You should now be able to see your new multisig account created under a separate category on the [accounts page\(opens in a new tab\)](#) . Click on send to start creating a new transaction. Enter the recipient and the amount to transfer, and click on Make Transfer .

### Sign and submit the transaction

You will now be able to sign balances.transferKeepAlive transaction from the multisig account. This extrinsic allows you to transfer funds from one account to another.

1. A transaction for a multisig can only be created via an approved signatory. Choose one from themultisig signatory
2. dropdown.

⚠ PLEASE NOTE You can only sign a transaction for the multisig from the signatory accounts you have access to. If you don't have access to an authorised signatory, you can't create, approve, or reject a transaction for the multisig. 1. Copy the hexadecimal value of themultisig call data 2. . This value will be needed later on. 3. Make sure that thesign and submit 4. on the bottom-left option is checked. Finally, click on theSign and Submit 5. button on the bottom right.

## Approve and/or execute the transaction

Now that a transaction has been created, other signatories have the choice to either:

1. Approve the transaction, or,
2. Reject the transaction.

You will see a pink icon next to your multisig wallet that indicates a pending transaction. Click on 'View Pending Transactions' to take a look. Click onapproval type to simply approve or reject the transaction.

1. Ourthreshold
2. value was set at2
3. , and we already have one approval in form of the signatory that originally created
4. the transaction.
5. Thus, an approval by just one more authorised signatory will execute the transaction that will
6. transfer
7. 10 AVAIL
8. to the recipient.

But what if you simply want to approve the transaction without executing it? Avail DA's multisig implementation allows for this functionality too. Let us say you are the final signatory whose approval will mean the transaction has enough approvals to be executed. But you don't want to execute the transaction just yet.

You only want to approve it, and let some other signatory execute it later on.

Approve Approve and Execute 1. If a signatory wants to approve the transaction without executing it, they don't need themultisig call data 2. value. 3. Make sure themultisig message with call 4. button is unchecked, and click onApprove 5. . 6. Then, click onSign and Submit 7. and execute the transaction.

## POINTS TO NOTE

1. After thethreshold
2. value of minimum number of approvals has been met, any signatory can execute the transaction.
3. You cannot execute the transaction without themultisig call data
4. value.

[Use a ledger wallet on Avail DA](#)[Use Avail DA with Metamask](#)