

## Enter multiple positions from 1 token

In this example, we will have a user that has [3 WETH \(opens in a new tab\)](#) in their Ethereum mainnet wallet, and wants to:

- 1. Deposit 1 WETH into [Yearn for yvWETH \(opens in a new tab\)](#)
- 1. Deposit 1 WETH into [Balancer B-80BAL-20WETH pool \(opens in a new tab\)](#)
- 1. Deposit 1 WETH into [Beefy Aura wstETH-ETH \(opens in a new tab\)](#)

Each of these action counts multiple hops

## Step 1: Approve

The user must approve the WETH first on the contract so that the contract can execute the bundle of transactions.

## Approve: Fetch address

Each user has their own respective routing contract which will be deployed, and executed in the same transaction when the execution transaction is submitted. This reduces the risks of approvals with a single-point of failure contract, and the user that is submitting the transaction is the owner of that contract not Enso, further reducing the risk.

```
curl
-X
'GET' \ -H
"Content-Type: application/json" \ 'https://api.enso.finance/api/v1/wallet?chainId=1 \ &fromAddress=0x57757E3D981446D585Af0D9Ae4d7DF6D64647806' \ chainId :
"Chain ID to execute the approval on" ,
// 1 = Ethereum Mainnet, full networks fromAddress :
"EOA address that is executing the approval" ,
// 0x57757E3D981446D585Af0D9Ae4d7DF6D64647806 You will be returned with:
{ "address" :
"0xD6A4217CF6A3587B4E33e9a59C52BF57469e713a" ,
// Individual contract owned by the EOA "isDeployed" :
false } If the user has already used Enso through another integrator, then isDeployed will be true.
```

**Approve: Approve Transaction**

```
Enso:
```

```
curl
```

```
-X
```

```
'GET' \ -H
```

```
"Content-Type: application/json" \ -H
```

```
"Authorization: Bearer 1e02632d-6feb-4a75-a157-documentation" \'https://api.enso.finance/api/v1/wallet/approve?chainId=1& \ fromAddress=0x57757E3D981446D585Af0D9Ae4d7DF6D64647806& \ tokenAddress=0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2& \ amount=3000000000000000000000\' Ethers:
```

```
await
```

```
ERC20 ( 0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2 ) .approve (address ,
```

```
5 Ether) // take decimals of the token you're approving into account
```

## Step 2: Execute

## Execute: Build actions

We are using the [Route action](#) inside of the [Bundle endpoint](#) as this action compares the best execution route for token amount out, and gas execution price. For example, it might be better to purchase wvWETH on a secondary exchange than directly depositing it depending upon the exchange rate of that token on the secondary market.

```
-X
POST \-H
"Content-Type: application/json" \-H
"Authorization: Bearer 1e02632d-6feb-4a75-a157-documentation" \--data
["[{ \"protocol\": \"enso\", \"action\": \"route\", \"args\": { \"tokenIn\": \"0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2\", \"tokenOut\": \"0xa258C4606Ca8206D8aA700cE2143D7db854D168c\", \"amountIn\": \"10000000000000000000\" } }, { \"protocol\": \"enso\", \"action\": \"route\", \"args\": { \"tokenIn\": \"0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2\", \"tokenOut\": \"0x5c6ee304399dbdb9c8ef030ab642b10820db8f56\", \"amountIn\": \"10000000000000000000\" } }, { \"protocol\": \"enso\", \"action\": \"route\", \"args\": { \"tokenIn\": \"0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2\", \"tokenOut\": \"0xe0d5f9da3613c047003b77caa31270abe3eda6b0\", \"amountIn\": \"10000000000000000000\" } } ]\"
\"https://api.enso.finance/api/v1/shortcuts/bundle?chainId=1&fromAddress=0x57757E3D981446D585Af0D9Ae4d7DF6D64647806\" You will be returned:
{ \"chainId\" :
1, \"createdAt\" :
17707569, \"bundle\" : [ { \"protocol\" :
\"enso\", \"action\" :
\"route\", \"args\" : { \"tokenIn\" :
\"0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2\", \"tokenOut\" :
\"0xa258C4606Ca8206D8aA700cE2143D7db854D168c\", \"amountIn\" :
\"10000000000000000000\" } }, { \"protocol\" :
\"enso\", \"action\" :
\"route\", \"args\" : { \"tokenIn\" :
\"0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2\", \"tokenOut\" :
\"0xe0d5f9da3613c047003b77caa31270abe3eda6b0\", \"amountIn\" :
```

```
"10000000000000000000" } } , { "protocol" :
```

"enso" , "action" :

```
"route" , "args" : { "tokenIn" :
```

```
"0xc02aaa39b223fe8d0a0e5c4f27ead9083c756cc2" , "tokenOut" :
```

"0x6b175474e89094c44da98b954eedeac495271d0f", "amountIn":

```
"10000000000000000000" } } ] , "tx" : { "data" :
```

[illegible]

"0x7fEA6786D291A87fC4C98aFCCc5A5d3cFC36bc7b", "from" :

```
"0x57757E3D981446D585Af0D9Ae4d7DF6D64647806", "value":
```

"0" , "chainId" :

```
1 } } Thedata value contains the bundle calldata to be submitted to the user.
```

[Enter a position from 1 token](#) [Enter a position from 1 token](#)