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Operating the Compound Protocol Manually

In the event that MetaMask or the <u>Compound Interface</u> are malfunctioning, you can always access the Compound protocol manually. This guide contains instructions for interacting with the Compound protocol using MyEtherWallet, and is intended for users familiar with Ethereum smart contracts.

Contracts, ABI, and Interface

Smart contract addresses, contract ABIs, and function descriptions for the protocol are available at <u>compound.finance/docs</u>.

Contract		ABI	Address		
⚠ cBAT	cToken	JSON	0x6c8c6b02e7…5921d90e4e	📋	↗
◈ cDAI	cToken	JSON	0xf5dce57282…1fcac444dc	📋	↗
◆ cETH	cEther	JSON	0x4ddc2d1939…0718270ed5	📋	↗
◉ cREP	cToken	JSON	0x158079ee67…7ab9ac95c1	📋	↗
⑤ cUSDC	cToken	JSON	0x39aa39c021…917d5e7563	📋	↗
◎ cWBTC	cToken	JSON	0xc11b1268c1…0264a3a7f4	📋	↗
⊙ cZRX	cToken	JSON	0xb3319f5d18…5f7266d407	📋	↗

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1. Supplying Tokens

There are only two transactions required to supply a token to the protocol, to begin earning interest.
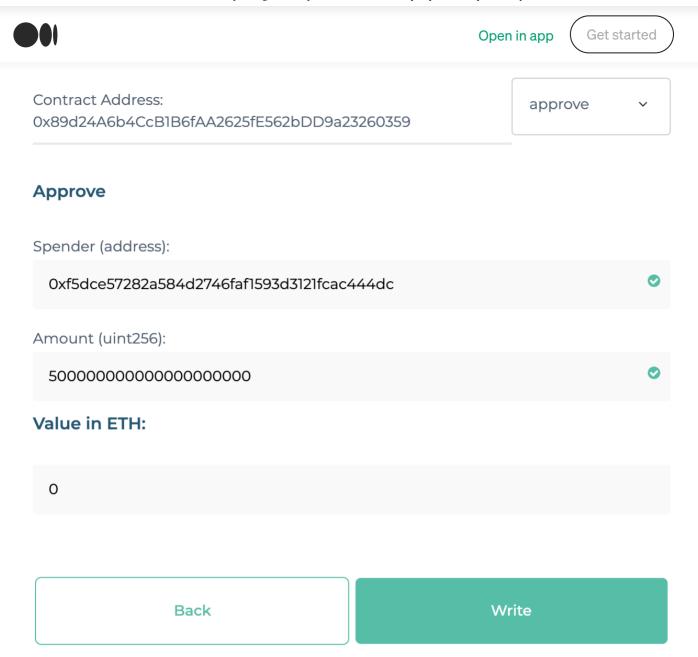
Approve the use of your token

First, we have to approve the Compound cToken contract to use the token in our wallet. Visit https://www.myetherwallet.com/#contracts and:

- Enter the **Contract Address** of the token you'd like to supply (e.g. DAI)

- Copy and paste the ERC-20 ABI

- Click **Continue**, then under *Select an item*, select the `approve` function

- Paste the cToken address (e.g. `0x5d3a536e4d6dbd6114cc1ead35777bab948e3643` for cDAI) in **_spender**

- Enter your quantity of tokens in **_value** (add 18 zeros)

- Do not modify the **Value in ETH**, and click *Write*

390 | 💬 1

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Contract Address: | approve   ⌄ |
0x89d24A6b4CcB1B6fAA2625fE562bDD9a23260359

Approve

Spender (address):

    0xf5dce57282a584d2746faf1593d3121fcac444dc   ✓

Amount (uint256):

    500000000000000000000   ✓

Value in ETH:

    0

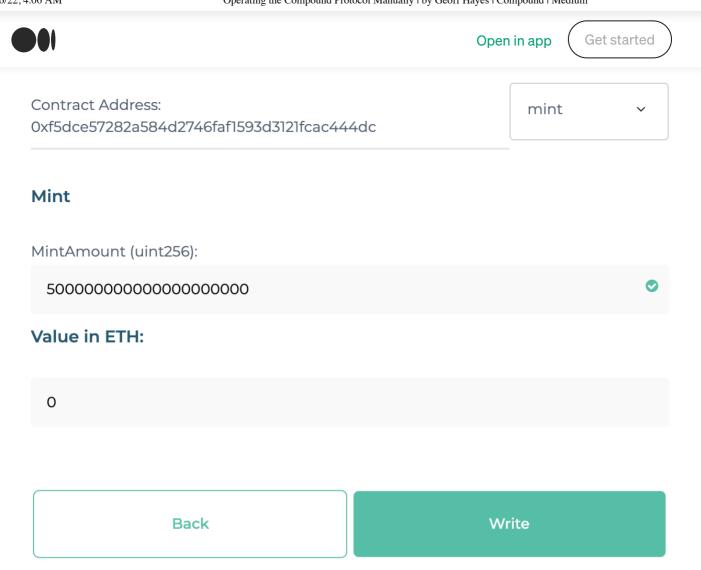| Back | Write |

Supply Tokens to Compound

Next, we supply the token to Compound. Visit
https://www.myetherwallet.com/#contracts and:

- Enter the **Contract Address** of the associated cToken contract, e.g.
  `0x5d3a536e4d6dbd6114cc1ead35777bab948e3643` for cDAI

- Copy and paste the cToken ABI

- Click **Continue**, then under *Select an item,* select the `mint` function

- Enter your quantity of tokens in **MintAmount** (add 18 zeros)

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Contract Address:
0xf5dce57282a584d2746faf1593d3121fcac444dc

[mint   ⌄]

Mint

MintAmount (uint256):

500000000000000000000   ✓

Value in ETH:

0

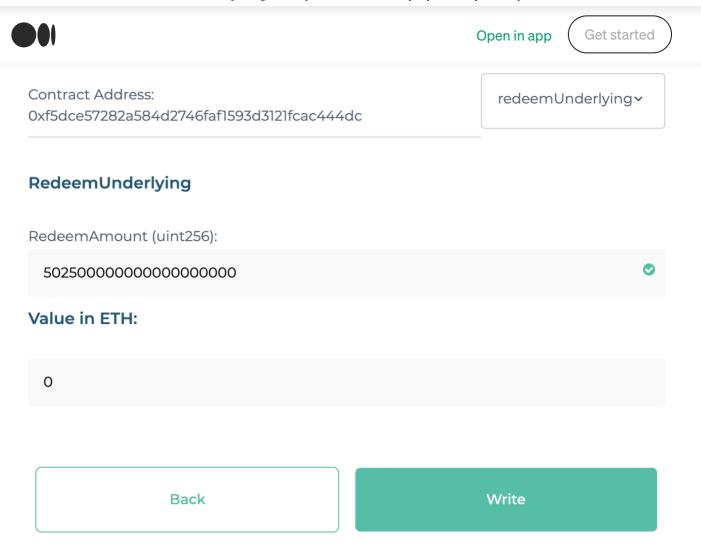[Back   ]   [Write   ]

2. Withdrawing Tokens

After earning interest, you might want to withdraw your assets supplied to the
protocol, back to your wallet. Visit https://www.myetherwallet.com/#contracts and:

- Enter the **Contract Address** of the associated cToken contract, e.g.
  `0x5d3a536e4d6dbd6114cc1ead35777bab948e3643` for cDAI

- Copy and paste the cToken ABI

- Click **Continue**, then under *Select an item*, select the `redeemUnderlying` function

- Enter your quantity of tokens in **RedeemAmount** (add 18 zeros)

- Do not modify the **Value in ETH**, and click *Write*

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Contract Address: redeemUnderlying ⌄
0xf5dce57282a584d2746faf1593d3121fcac444dc

RedeemUnderlying

RedeemAmount (uint256):

50250000000000000000   ✓

Value in ETH:

0

Back   Write

3. Borrowing Tokens

You're able to borrow any supported token, based on the collateral you've supplied to Compound.

Enable a supplied asset as collateral

First, we have to approve the Compound cToken contract to use the token in our wallet. Visit https://www.myetherwallet.com/#contracts and:

- Enter the **Contract Address** of the Comptroller, 0x3d9819210a31b4961b30ef54be2aed79b9c9cd3b

- Copy and paste the Comptroller ABI

- Click **Continue**, then under *Select an item,* select the `enterMarket` function

- Paste the cToken address (e.g. `0x5d3a536e4d6dbd6114cc1ead35777bab948e3643` for

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You're able to borrow any supported token, based on the collateral you've supplied to Compound. Visit https://www.myetherwallet.com/#contracts and:

- Enter the **Contract Address** of the associated cToken contract, e.g. `0xc11b1268c1a384e55c48c2391d8d480264a3a7f4` for WBTC

- Copy and paste the cToken ABI

- Click **Continue**, then under *Select an item*, select the `borrow` function

- Enter your quantity of tokens in **BorrowAmount** (add 18 zeros)

- Do not modify the **Value in ETH**, and click *Write*

4. Repaying Tokens

Note: you must first approve the asset to be used by Compound.

At any time, you can close your borrowed position (to unlock your collateral). Visit https://www.myetherwallet.com/#contracts and:

- Enter the **Contract Address** of the associated cToken contract, e.g. `0xc11b1268c1a384e55c48c2391d8d480264a3a7f4` for WBTC

- Copy and paste the cToken ABI

- Click **Continue**, then under *Select an item*, select the `repayBorrow` function

- Enter your quantity of tokens in **RepayAmount** (add 18 zeros)

- Do not modify the **Value in ETH**, and click *Write*

5. Claiming COMP

To manually claim COMP:

1. Visit **Etherscan**, press the **Connect to Web3** button, and link a MetaMask account.

2. Scroll to function `21. claimComp`, input your (or any other address), and then **Write** and submit the transaction.