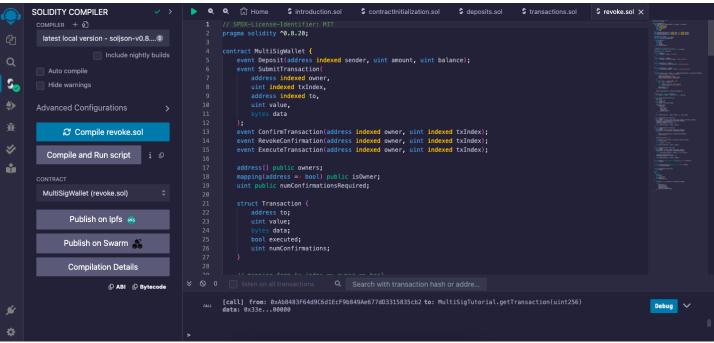
## MultiSig Tutorial Documentation

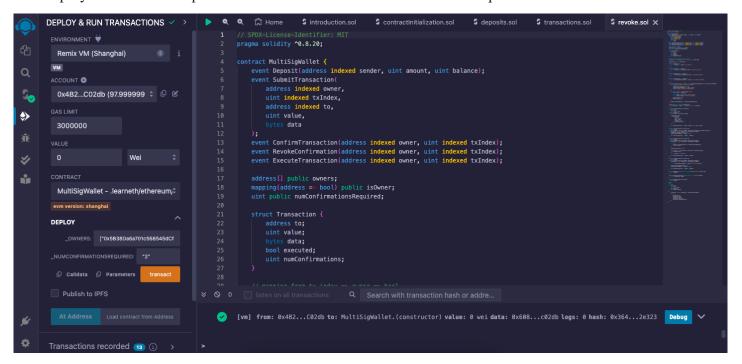
In this documentation, I will take you through the steps that allowed me to explore the process of creating a multi-signature wallet, initialize the contract, deposit Ether, and submit, confirm, revoke, and execute transactions.

#### 1. Compiling



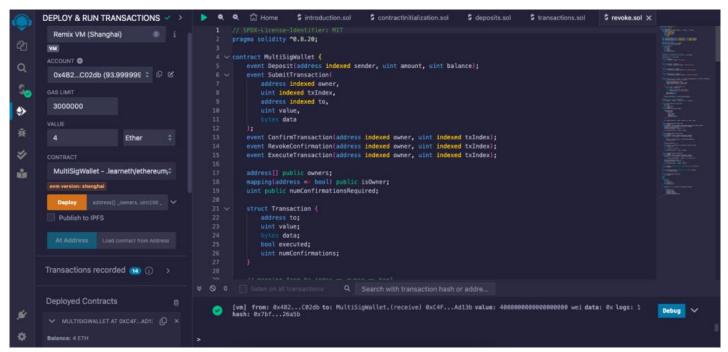
Here you can see that the contract has been successfully compiled. Compiling success can be verified because the contract is now available in the dropdown menu underneath the Contract section. The publishing options are also now available.

2. Deployment with Multiple Owners and Number of Confirmations Required



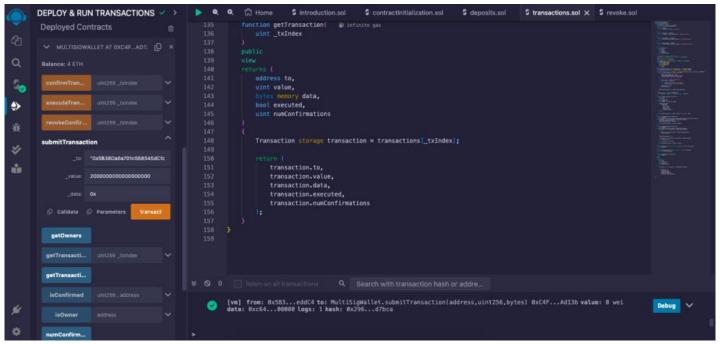
Here I have deployed the contract with an array of three unique owners. I have also set the number of transaction confirmations required to 2 to ensure that no singular owner can confirm and execute their own transaction. Deployment can be verified by the green checkmark present in the log.

#### 3. Funding the Wallet



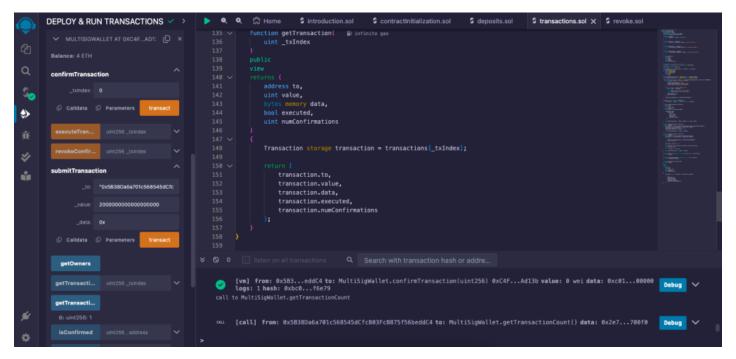
This picture shows that I have funded the wallet with 4 Ether from the specified account. I did this by choosing an account that had enough funds in it, filling out the Value section with the amount that I wanted to fund the wallet with, then I clicked the Transact button (not shown). Funding success can be verified by the green checkmark shown in the logs and the 4 ETH shown as the balance of the contract at the bottom of the Deployed Contracts section.

#### 4. Submitting Eth Transfer Transaction

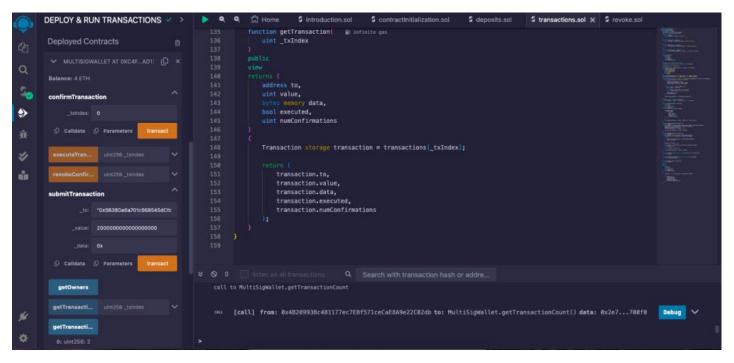


In this screenshot, you can see that I submitted a transaction to send 2 Eth from one owner's account to a different owner's account. This was completed by filling out the appropriate fields under the submitTransaction function and pressing the transact button. Success verification can be seen by the green checkmark in the log.

#### 5. Transaction Confirmations

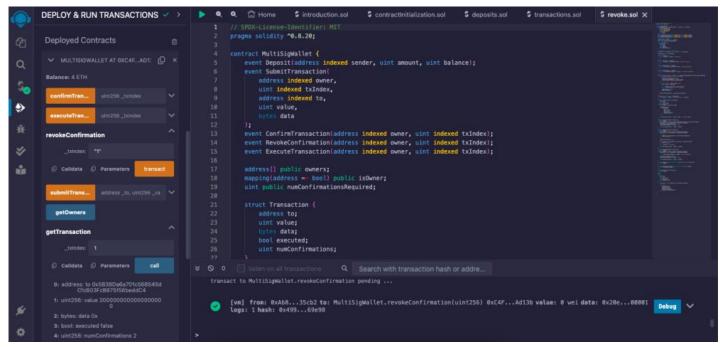


For this step, I remained on the same owner account, and I entered "0" into the transaction index field under the confirmTransaction function. I then pressed the transact button. After this, I pressed the getTransaction button and it returned a value of 1 meaning that the transaction has been confirmed one time.

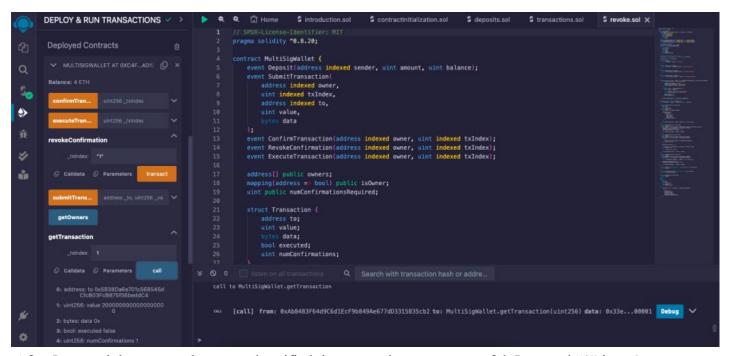


I then switched to a different owner's account and repeated the process. You can see that the getTransaction value is now 2 meaning that the transaction has been confirmed two times, which is the number of confirmations required to execute a transaction in this contract.

### 6. Revoking a Confirmation

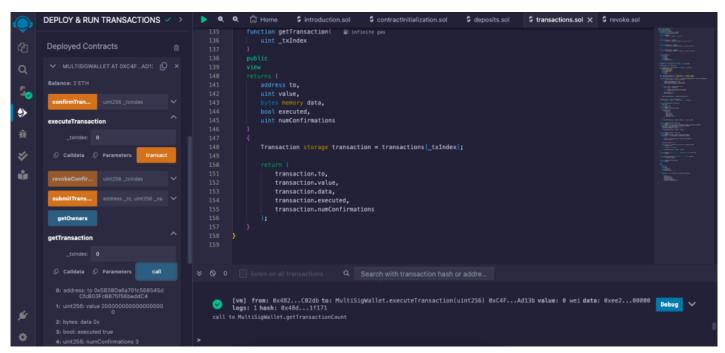


I ran into some issues and ended up having to submit a second transaction. I confirmed that transaction 2 times to fulfill the requirement. Then I practiced revoking a confirmation. I chose an account, entered "1" into the transaction index field under the revokeConfirmation function (to indicate that I wanted to revoke the second transaction in the contract since I had to submit a new one), and then I pressed the transact button. Revocation submission can be verified by the green checkmark in the box.



After I pressed the transact button and verified the revocation was successful, I entered "1" into the transaction index field of the getTransaction function and called the function. You can now see that it returned a Number of Confirmations value of 1 indicating that the confirmation was successfully revoked.

# 7. Executing a Transaction



Finally, I reconfirmed the original transaction that I wanted to execute, then I entered "0" into the transaction index field of the executeTransaction function (to indicate that I wanted to execute my original transaction), and I pressed the transact button. Successful execution can be verified by the green checkmark in the log.