

K. K. Wagh Institute of Engineering Education and Research, Nashik.
Department of Computer Engineering
Academic Year 2022-23

Course: Laboratory Practice III
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Roll No. :12

Course Code: 410246
Class: BE
Div: A

Assignment No: 02

Problem Statement:

Create your own wallet using Metamask for crypto transactions.

Objective:

Understand and explore the working of Blockchain technology and its applications.

Course Outcome:

CO6: Interpret the basic concepts in Blockchain technology and its applications.

Description:

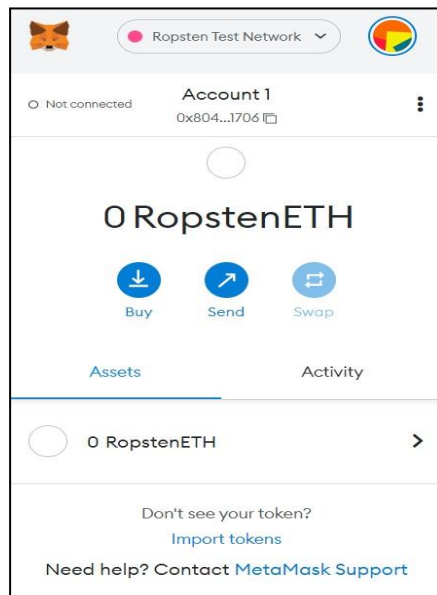
MetaMask also works with hardware cryptocurrency wallets Ledger and Trezor, allowing users to transfer crypto and NFTs from the software-based hot wallet to the hardware-based cold wallets for secure storage.

It is easy to use MetaMask on a connected website to send, receive, or trade tokens. Before exchanging any tokens, MetaMask will pop up in your browser to confirm the details, including the contract, price. Before confirming the transaction, users will be able to adjust their gas limits to either pay more to speed it up, or reduce their max price while slowing down the confirmation.

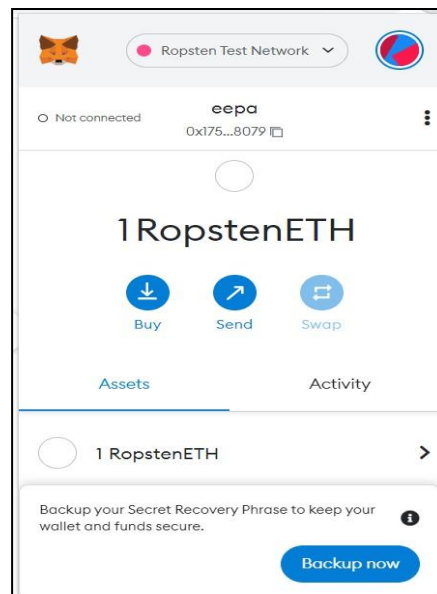
Transactions are a formal action on a blockchain. They are always initiated in MetaMask with a call to method. They can involve a simple sending of ether, may result in sending tokens, creating a new smart contract, or changing state on the blockchain in any number of ways. They are always initiated by a signature from an external account, or a simple key pair. When we talk about 'transactions' on a public blockchain network, we're usually talking about interactions between two addresses.

Step for Transaction in MetaMask :

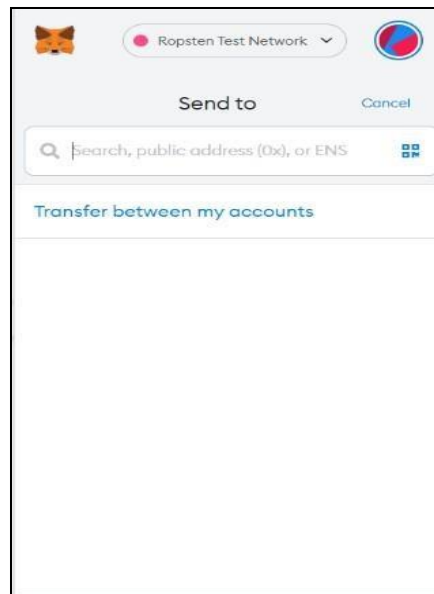
Step 01: Login to the MetaMask Account and checked the Account Before transactions. Account 01 is Having 0 RopstenETH.



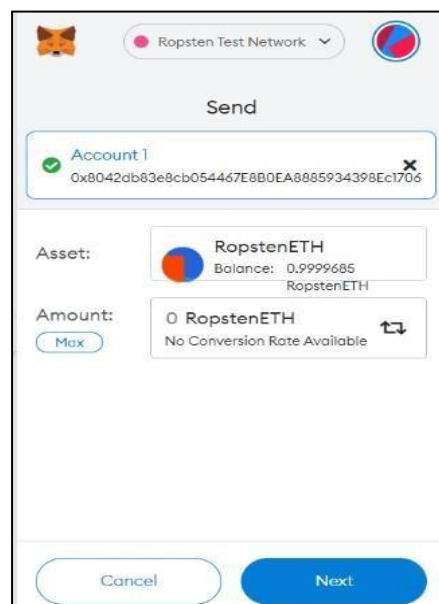
Step 02: Login to the MetaMask Account and checked the Account Before transactions. “eepea” Account 02 is having 1 RopstenETH. Start transaction from the “eepea”. Click on Send.



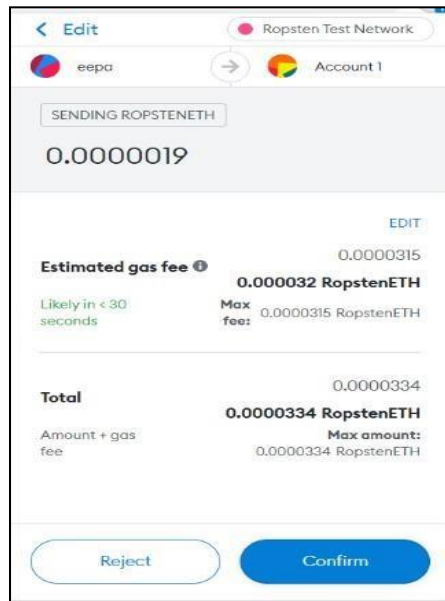
Step 03: Enter the public address of “Account 1”.



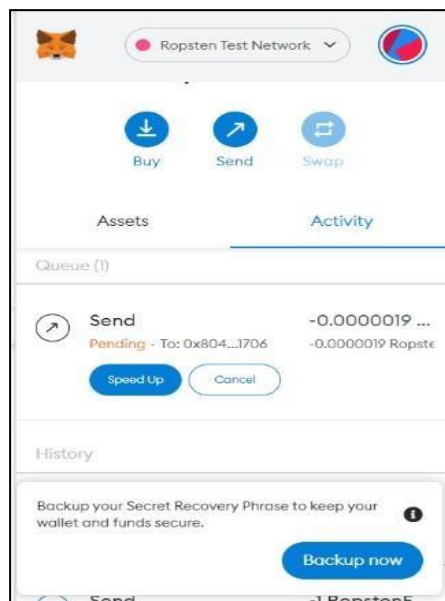
Step 04: Click the Balance Amount in Asset and Enter the Amount to send the ETH. Check the Details of the Asset and Amount. Click on Next Button.



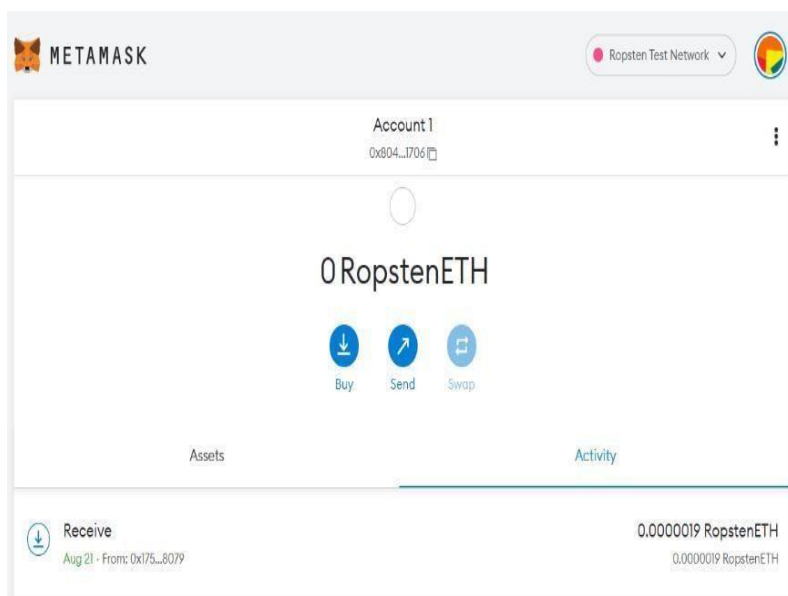
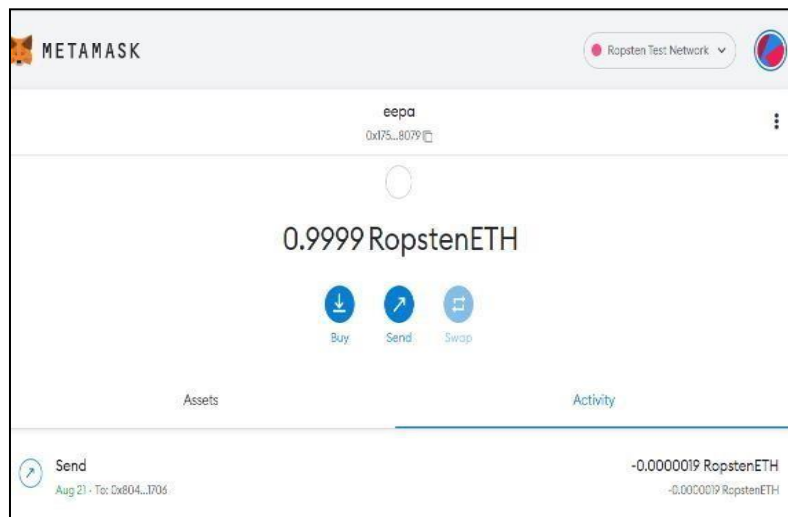
Step 05: Click on Confirm Button.



Step 06: Transaction status will shown “Pending” for few time Wait.



Step 07: Transaction is Sucessfully done. Account 1 Received ETH.



Conclusion:

I Studied about METAMASK and Transaction done in METAMASK Successfully.