

LAB GUIDE – Blockchain Developer Course

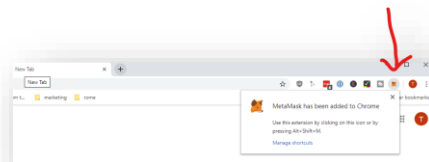
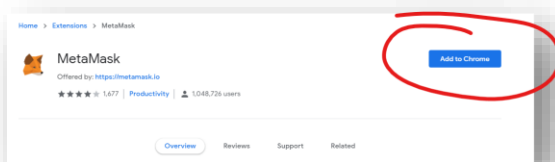
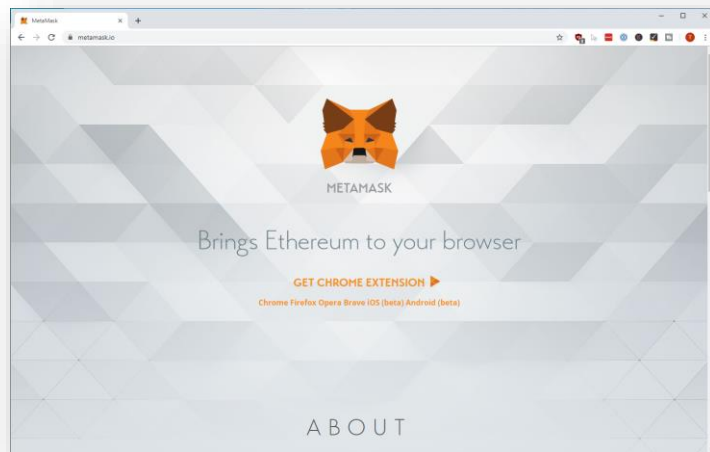
Lab: Download, Install and Use a Wallet to Create a Transaction

Prerequisites:

1. Chrome or Firefox browser.
2. An Internet connection

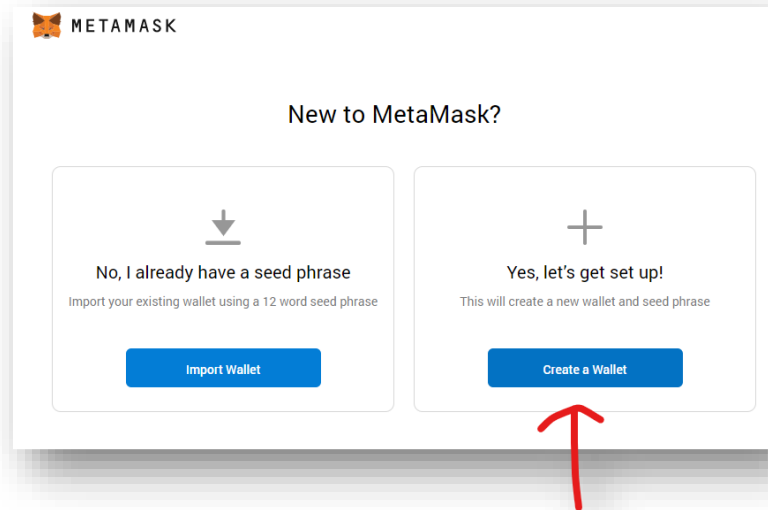
Steps to follow

Open <https://metamask.io> and download the plugin for your browser

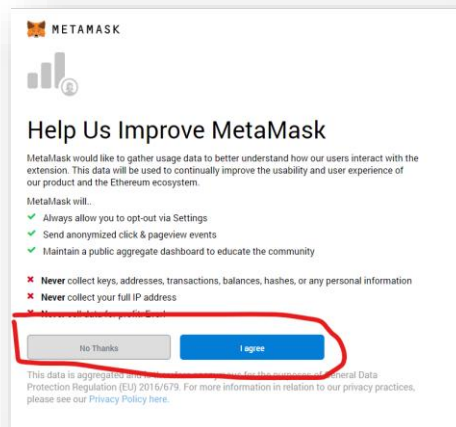


Setup MetaMask

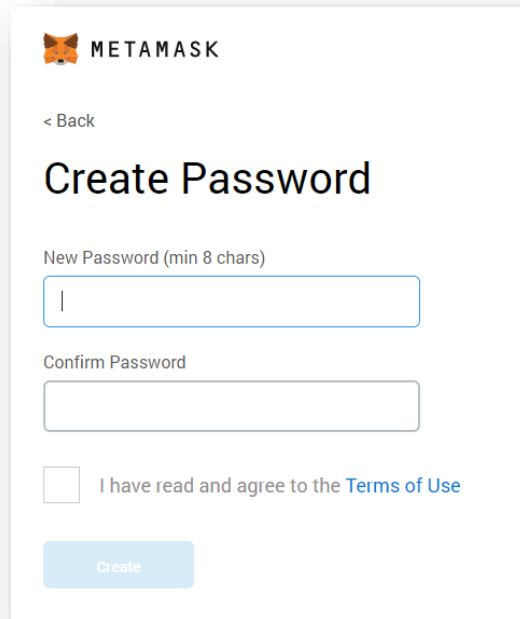
MetaMask will automatically open up a “setup” page. Hit “Begin” and walk through the setup-wizard.



If you want to send statistical information, is totally up to you, both is fine:

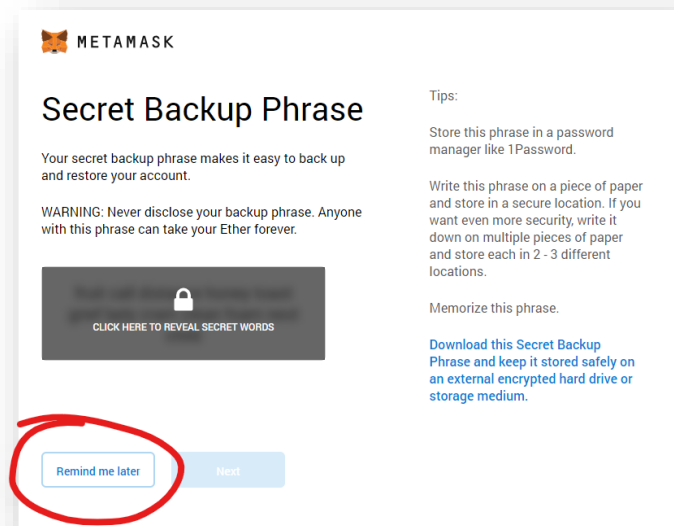


Create a new *strong* password. This password is used to encrypt your private keys. What private keys are exactly is discussed in a later section of the course, suffice to say though, they give access to *all your Ether*. So, better have a strong password here:



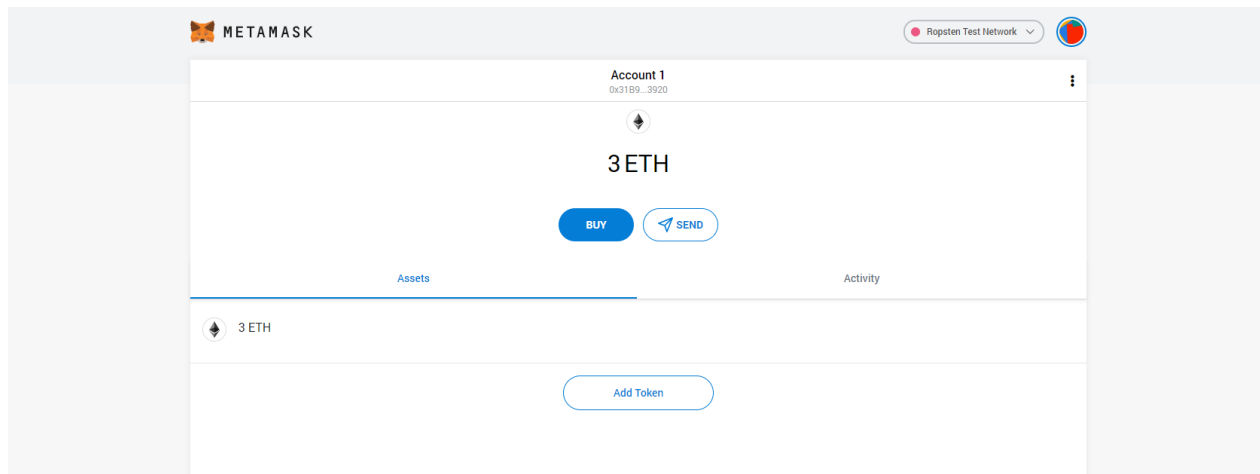
The image shows the 'Create Password' screen in the Metamask mobile app. At the top is the Metamask logo and a '< Back' link. The title 'Create Password' is centered. Below it, there's a label 'New Password (min 8 chars)' followed by a text input field. Underneath is a 'Confirm Password' label and another text input field. A checkbox is present with the text 'I have read and agree to the [Terms of Use](#)'. At the bottom is a blue 'Create' button.

It would be better to safely store the secret phrase, but for sake of simplicity, let's just skip this for now:



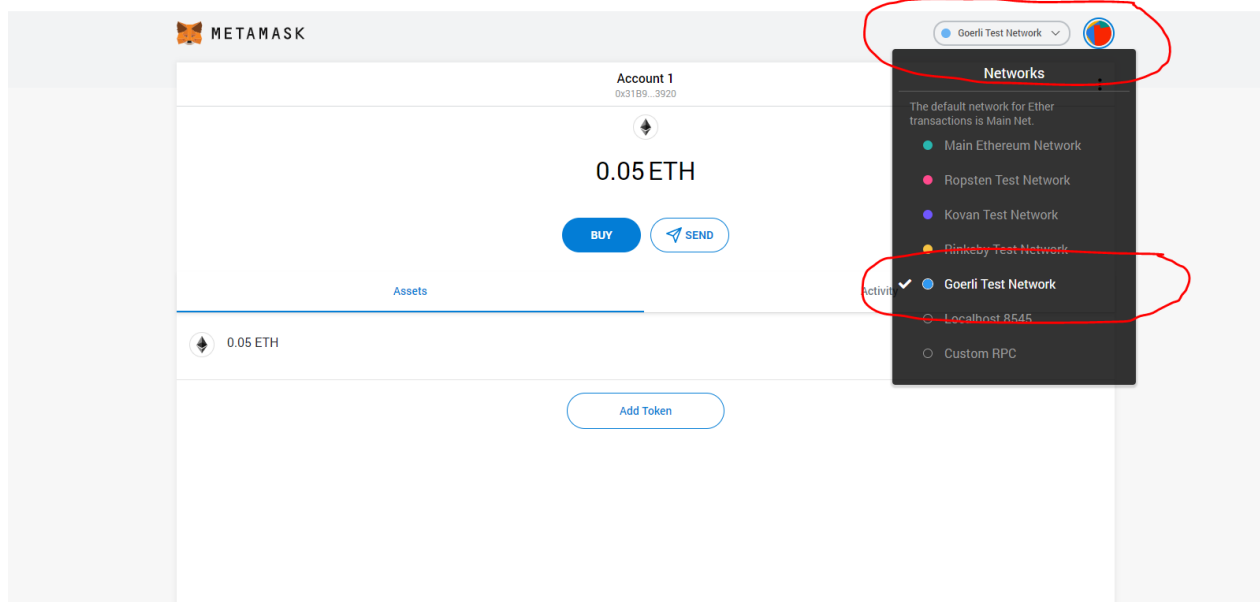
The image shows the 'Secret Backup Phrase' screen in the Metamask mobile app. It features the Metamask logo and title. On the left, there's explanatory text about the backup phrase and a warning. In the center, there's a dark button with a lock icon and the text 'CLICK HERE TO REVEAL SECRET WORDS'. On the right, there are 'Tips' for storing the phrase. At the bottom, there are two buttons: 'Remind me later' (highlighted with a red circle) and 'Next'.

And you should be greeted with this screen:

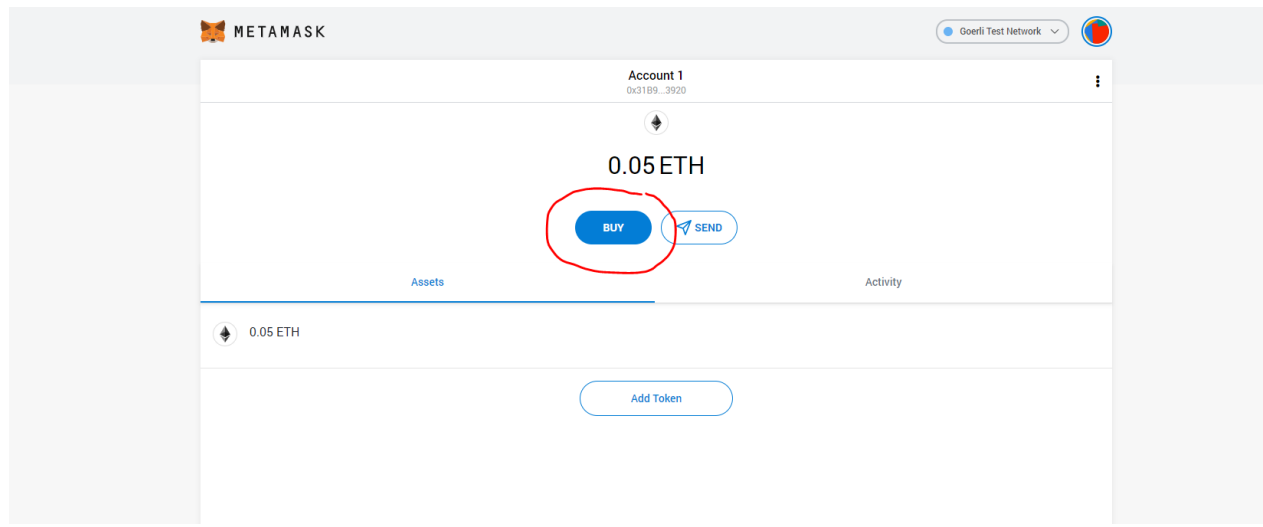


Use MetaMask to transfer Ether

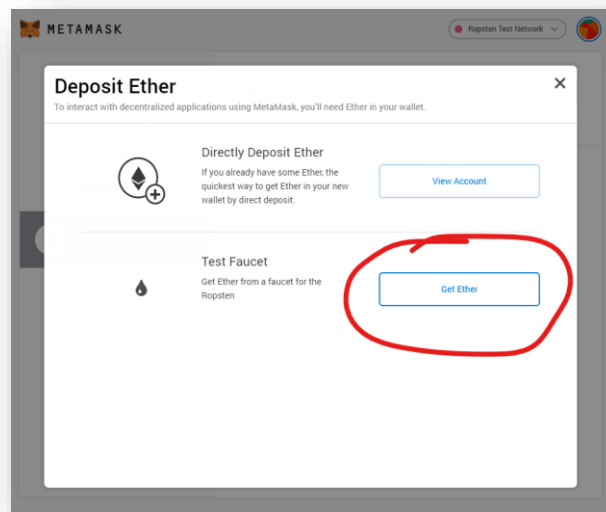
Switch the network to Goerli. Attention here: some of the pictures have “Ropsten” selected, but the Ropsten test-network had a couple of hiccups, so I recommend Goerli instead!



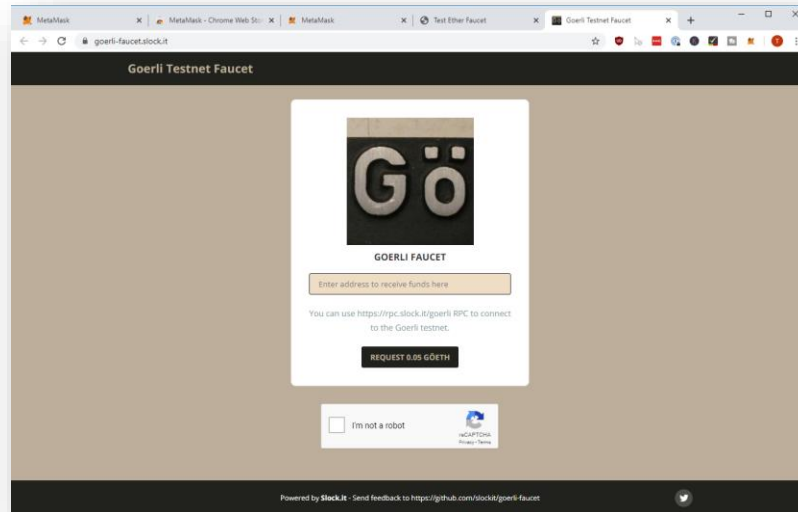
Hit “BUY”



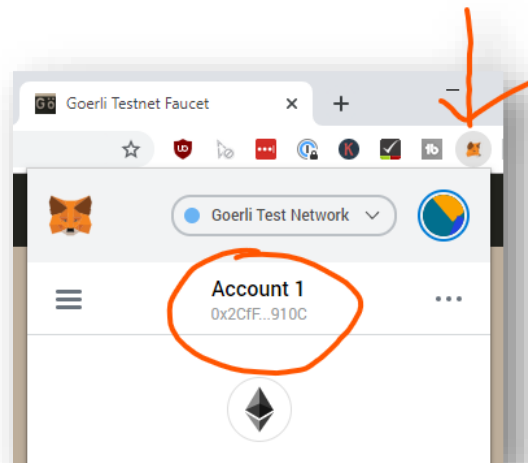
Click on “Get Ether”



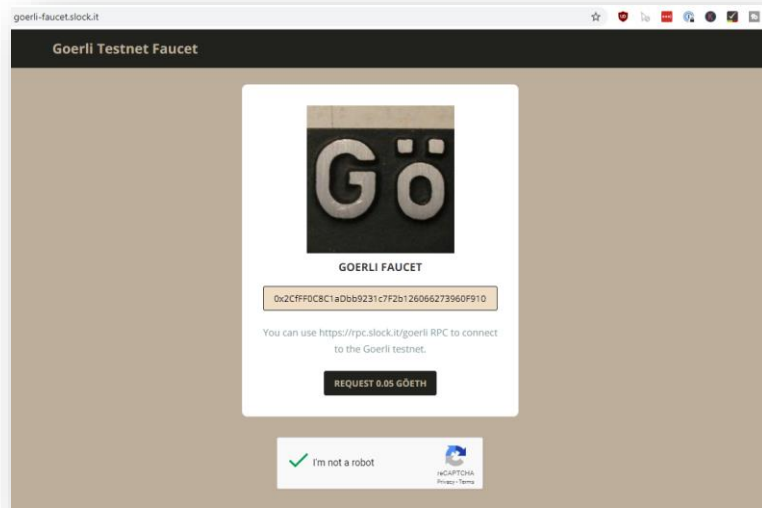
A new website should open up. That's the faucet to get Ether. A Faucet is like a “get free Ether” – site. The Ethers are having no value, they are running under a “test” Blockchain, but they are great for getting your feet wet with transactions and how Wallets work.



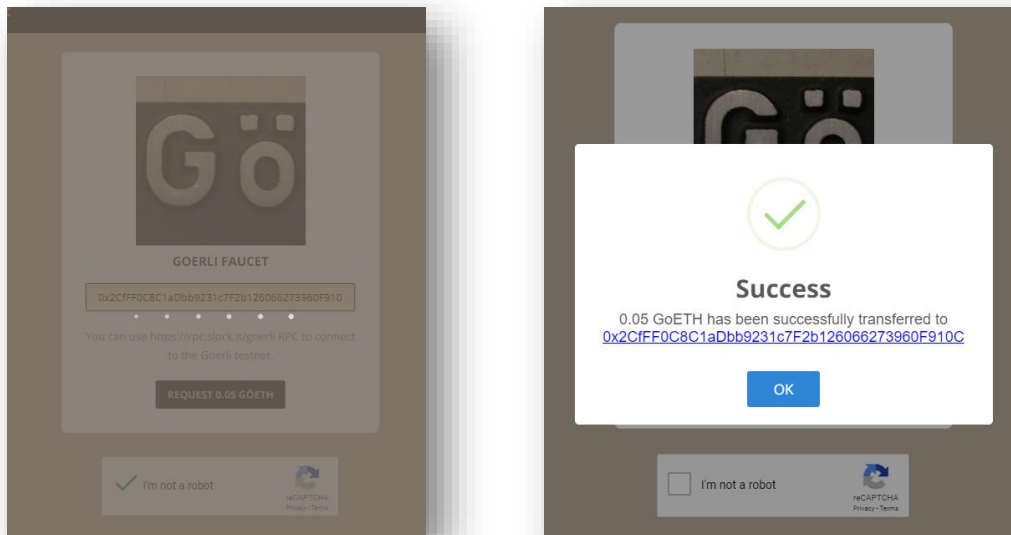
Copy your Address from MetaMask



Paste it into the Goerli Faucet Value Field and hit "I'm not a robot" and "Request 0.05 GÖETH"



Wait until the popup appears...



Don't click the link of the transaction. Just copy the link. Go to <https://etherscan.io/> and click the Ethereum logo at the top right and choose Goerli testnet

The screenshot shows the Etherscan website interface. At the top, there's a navigation bar with links for Home, Blockchain, Tokens, Resources, More, and Sign In. A red circle highlights the 'Sign In' link. Below the navigation bar, there's a 'Feature Tip' and a 'Ethereum Blockchain Explorer' section with a search bar and filters. The search bar contains the text 'Search by Address / Txn Hash / Block / Token / Ens'. Below the search bar, there's a 'Sponsored' banner for 'Crypto Trading 20% off discount'. The main content area is divided into two columns: 'Latest Blocks' and 'Latest Transactions'. The 'Latest Blocks' column shows a list of blocks with their hashes, miner names, and timestamps. The 'Latest Transactions' column shows a list of transactions with their hashes, from/to addresses, and timestamps.

You should be at <https://goerli.etherscan.io/> . Paste the transaction hash and search it.

The screenshot shows the Goerli Testnet Explorer on Etherscan. The search bar is highlighted with a red circle and contains the transaction hash '0x6f772351ec84b410cbffed96d42cfaec8dcea4855b903c469467bb31a4590'. Below the search bar, there's a banner for 'PASSIVE INCOME FROM YOUR CRYPTO WITH UNIQUE ALGORITHM RVJ 12'. The main content area is divided into two columns: 'Latest Blocks' and 'Latest Transactions'. The 'Latest Blocks' column shows a list of blocks with their hashes, miner names, and timestamps. The 'Latest Transactions' column shows a list of transactions with their hashes, from/to addresses, and timestamps.

You should see your transaction with the success message and all the details of the transaction.

The screenshot shows the Etherscan interface for a transaction on the Goerli Testnet. The transaction hash is 0x6ff772351ec84bb418cbfed96d42cfaec8dcea4855b903c469467bb31a4590. The status is 'Success'. The block number is 3089200, and the transaction was confirmed 44 blocks ago. The timestamp is 11 minutes ago (Jul-22-2020 05:05:42 AM +UTC). The transaction is from 0x8ced5ad0d8da4ec211c17355ed3db4ec4cf0e5b9 to 0x72e5be33d15fbafad982435dbE6281E92efcA4. The value is 0.05 Ether (\$0.00), and the transaction fee is 0.000021004 Ether (\$0.000000).

Field	Value
Transaction Hash	0x6ff772351ec84bb418cbfed96d42cfaec8dcea4855b903c469467bb31a4590
Status	Success
Block	3089200 (44 Block Confirmations)
Timestamp	11 mins ago (Jul-22-2020 05:05:42 AM +UTC)
From	0x8ced5ad0d8da4ec211c17355ed3db4ec4cf0e5b9
To	0x72e5be33d15fbafad982435dbE6281E92efcA4
Value	0.05 Ether (\$0.00)
Transaction Fee	0.000021004 Ether (\$0.000000)

Now open MetaMask from your browser and you should see some ETH in your wallet *on a test-net*.

Note: I have 0.15ETH in my wallet, because I did this procedure 3 times for the screenshots.

Note: You can also paste your address at the search in Etherscan to get all the transactions of that address.

The screenshot shows the Etherscan interface for the address 0x72E5Be33d15fbafad982435dbE6281E92efcA4. The balance is 0.15 Ether. The 'Transactions' tab is active, showing the latest 3 transactions. A MetaMask wallet overlay is visible on the right, showing the account 'Account Test' with a balance of 0.15 ETH and buttons for 'BUY' and 'SEND'.

Txn Hash	Block	Age	From	To	Value	[Txn Fee]
0x6ff772351ec84bb...	3089200	1 min ago	0x8ced5ad0d8da4e...	0x72e5be33d15fbaf...	0.05 Ether	0.000021004
0x82c5ce624b97df3...	3089199	1 min ago	0x8ced5ad0d8da4e...	0x72e5be33d15fbaf...	0.05 Ether	0.000021004
0x6f21803324c0b9e...	3089169	9 mins ago	0x8ced5ad0d8da4e...	0x72e5be33d15fbaf...	0.05 Ether	0.000021004

Congratulations, LAB is completed



From the Course “Ethereum Blockchain Developer – Build Projects in Solidity”



FULL COURSE:

<https://www.udemy.com/course/blockchain-developer/?referralCode=E8611DF99D7E491DFD96>