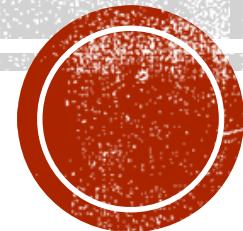


Practical No. 1

Title:
Installation of metamask and study spending ether per transaction.



Download MetaMask: The Prem X +

metamask.io/download/

Watch your crypto grow with Pooled Staking. Stake your crypto and earn rewards for securing the Ethereum network. →

METAMASK

Features ▾ Build ▾ Resources ▾ Learn

EN ▾

Supported Browsers

Chrome Firefox Brave Edge Opera

Type here to search

09:04 AM 07-10-2024 ENG 1

metamask.io - Google Search

google.com/search?q=metamask.io&rlz=1C1CHBF_enIN1123IN1123&oq=metamask.&gs_lcrp=EgZjaHJvbWUqCQgBEAYExiABDIGCAAQRRg5M...

Google metamask.io

সর্ব ইমেজ ফিল্ডিও Shopping বাতম্যা বেব নকাশো : অধিক দুল

MetaMask <https://metamask.io> · যা পানাচে ভাষাংতর করা :

[MetaMask: The Ultimate Crypto Wallet for DeFi, Web3 Apps](#)

MetaMask is the leading self-custodial wallet. The safe and simple way to access blockchain applications and web3. Trusted by millions of users worldwide.

[Download MetaMask Today](#)

Download MetaMask: The Preferred Crypto Wallet Across ...

[Portfolio](#)

Self-custody is easy with MetaMask Portfolio. MetaMask ...

[Buy Crypto](#)

How to buy crypto with MetaMask. Onboard to crypto with ...

[Getting started](#)

How to install MetaMask: Browser extension; Mobile ...

<https://metamask.io>

FAQ

Type here to search

11:35 PM
06-10-2024

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metamask.io

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A crypto wallet & gateway to blockchain apps

Start exploring blockchain applications in seconds. Trusted by over 100 million users worldwide.

Download for 

Assets NFTs Activity

0.1221 ETH \$696.12 USD

Buy Send Swap

0.19511 ETH \$551.15 USD

0.35 DAI \$3.35 USD

Not connected Account 1 0x5e66...5924

Ethereum Mainnet

<https://chrome.google.com/webstore/detail/metamask/nkbihfbeogaeaoehlefknkodbefgpgknn>

Type here to search           11:36 PM ENG 06-10-2024

MetaMask - Chrome Web Store

chromewebstore.google.com/detail/metamask/nkbihfbeogaeaoehlefknkodbefgpgknn?utm_source=google.com

chrome web store

Search extensions and themes

Discover Extensions Themes

 MetaMask

metamask.io 3.0 ★ (4.6K ratings)

Add to Chrome

Extension Workflow and planning 15,000,000 users



Type here to search

11:36 PM
06-10-2024

MetaMask - Chrome Web Store

chromewebstore.google.com/detail/metamask/nkbihfbeogaeaoehlefknkodbefgpgknn?utm_source=google.com

Discover Extensions Themes

chrome web store

MetaMask

metamask.io 3.0 ★ (4.6K ratings)

Extension Workflow and planning 15,000,000 users

Add "MetaMask"?

It can:

- Read and change all your data on all websites
- Display notifications
- Modify data you copy and paste

Add extension Cancel

Type here to search

11:36 PM
06-10-2024

This screenshot shows the MetaMask extension page on the Chrome Web Store. A modal window titled 'Add "MetaMask"?' is displayed, asking for permission to add the extension. The modal lists three permissions: 'Read and change all your data on all websites', 'Display notifications', and 'Modify data you copy and paste'. Two buttons at the bottom are 'Add extension' (highlighted with a red box) and 'Cancel'. The main page background shows a colorful illustration of various animal heads (a pink rabbit, a green fox, a yellow dog, etc.) floating around a central Earth with a play button icon.

MetaMask - Chrome Web Store

chromewebstore.google.com/detail/metamask/nkbihfbeogaeaoehlefnkod befpgpknn?utm_source=google.com

chrome web store

Discover Extensions Themes

MetaMask

metamask.io 3.0 ★ (4.6K ratings)

Extension Workflow and planning 15,000,000 users

Recent download history

nkbihfbeogaeaoehlefnkodbe 829.crx
↓ 7.7/22.1 MB • 16 seconds left

Full download history

Type here to search

11:37 PM 06-10-2024 ENG

MetaMask - Chrome Web Store

chromewebstore.google.com/detail/metamask/nkbihfbeogaeaoehlefknkodbefgpgknn?utm_source=google.com

chrome web store

Discover Extensions Themes

MetaMask

metamask.io 3.0 ★ (4.6K ratings)

Extension Workflow and planning 15,000,000 users

Search extensions and themes

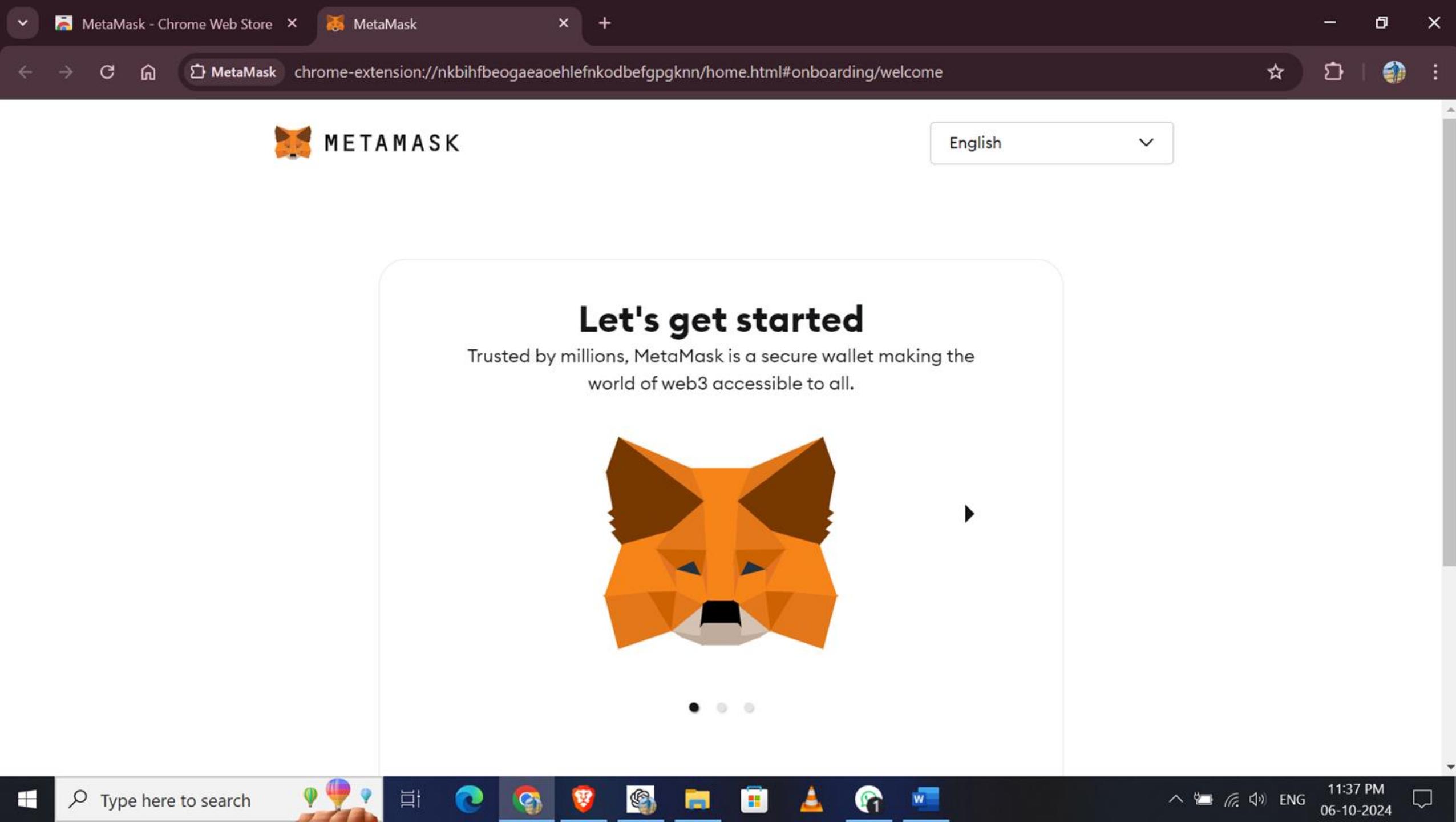
MetaMask has been added to Chrome

Manage your extensions by clicking Extensions in the Tools menu.

Type here to search

11:37 PM 06-10-2024 ENG

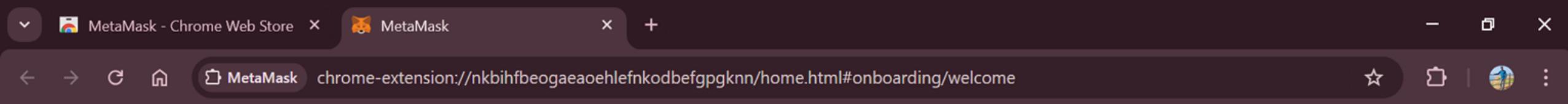
A screenshot of a Microsoft Windows desktop showing a Google Chrome browser window. The window displays the MetaMask extension page on the Chrome Web Store. A red box highlights a notification message in the top right corner that says "MetaMask has been added to Chrome". Below the notification, there is a link to "Manage your extensions by clicking Extensions in the Tools menu." The main content of the page shows the MetaMask logo, its developer (metamask.io), its rating (3.0 stars from 4.6K reviews), and its popularity (15,000,000 users). Below this, there is a large, colorful illustration of a globe with various animal masks (a pink rabbit, a green fox, a yellow dog, etc.) floating around it. The taskbar at the bottom of the screen shows several pinned icons, including the Start button, a search bar, and icons for File Explorer, Edge, and other system tools. The system tray in the bottom right corner shows the date and time (11:37 PM 06-10-2024) and language (ENG).



Type here to search



11:37 PM
06-10-2024
ENG



I agree to MetaMask's [Terms of use](#)

Create a new wallet

Import an existing wallet



Type here to search



11:38 PM
06-10-2024





We'd like to gather basic usage and diagnostics data to improve MetaMask. Know that we never sell the data you provide here.

[Learn how we protect your privacy while collecting usage data for your profile.](#)

When we gather metrics, it will always be...

- ✓ **Private:** clicks and views on the app are stored, but other details (like your public address) are not.
- ✓ **General:** we temporarily use your IP address to detect a general location (like your country or region), but it's never stored.
- ✓ **Optional:** you decide if you want to share or delete your usage data via settings any time.

We'll use this data to learn how you interact with our marketing
 communications. We may share relevant news (like product features).

We'll let you know if we decide to use this data for other purposes. You can review our [Privacy Policy](#) for more information. Remember, you can go to settings and opt out at any time.

No thanks

I agree



MetaMask - Chrome Web Store X MetaMask X

MetaMask chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#onboarding/create-password

1 2 3

Create password Secure wallet Confirm secret recovery phrase

Create password

This password will unlock your MetaMask wallet only on this device. MetaMask can not recover this password.

New password (8 characters min) [Show](#)

Confirm password

I understand that MetaMask cannot recover this password for me. [Learn more](#)

[Create a new wallet](#)

A red box highlights the password input fields and the checkbox area.



Type here to search



11:38 PM
06-10-2024



MetaMask - Chrome Web Store X MetaMask X

MetaMask chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#onboarding/create-password

1 2 3

Create password Secure wallet Confirm secret recovery phrase

Create password

This password will unlock your MetaMask wallet only on this device. MetaMask can not recover this password.

New password (8 characters min) Show

.....

Password strength: Strong

Confirm password ✓

.....

I understand that MetaMask cannot recover this password for me. [Learn more](#)

Create a new wallet

Type here to search

11:39 PM 06-10-2024 ENG

MetaMask - Chrome Web Store X MetaMask X

MetaMask chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#onboarding/review-recovery-phrase

1 2 3

Create password Secure wallet Confirm secret recovery phrase

Write down your Secret Recovery Phrase

Write down this 12-word Secret Recovery Phrase and save it in a place that you trust and only you can access.

Tips:

- Write down and store in multiple secret places
- Store in a safe deposit box

Make sure nobody is looking

Reveal Secret Recovery Phrase

Type here to search

11:39 PM 06-10-2024 ENG

MetaMask - Chrome Web Store X MetaMask X chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#onboarding/review-recovery-phrase

1 2 3

Create password Secure wallet Confirm secret recovery phrase

Write down your Secret Recovery Phrase

Write down this 12-word Secret Recovery Phrase and save it in a place that you trust and only you can access.

Tips:

- Write down and store in multiple secret places
- Store in a safe deposit box

1. layer	2. town	3. coast
4. cactus	5. tiny	6. help
7. rib	8. vapor	9. cool
10. lock	11. else	12. earn

Hide seed phrase Copy to clipboard

Copy and Save in Notepad

Type here to search

11:39 PM 06-10-2024 ENG

MetaMask - Chrome Web Store X MetaMask X chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#onboarding/review-recovery-phrase ⚙️ 🌐 ⚡

Write down this 12-word Secret Recovery Phrase and save it in a place that you trust and only you can access.

Tips:

- Write down and store in multiple secret places
- Store in a safe deposit box

1. layer	2. town	3. coast
4. cactus	5. tiny	6. help
7. rib	8. vapor	9. cool
10. lock	11. else	12. earn

Hide seed phrase Copied.

Next



Type here to search



11:40 PM
06-10-2024 ENG

MetaMask - Chrome Web Store X MetaMask X chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#onboarding/confirm-recovery-phrase

1 2 3

Create password Secure wallet Confirm secret recovery phrase

Confirm Secret Recovery Phrase

Confirm Secret Recovery Phrase

1. layer	2. town	3. coast
4. cactus	5. tiny	6. help
7. rib	8. vapor	9. cool
10. lock	11. else	12. earn

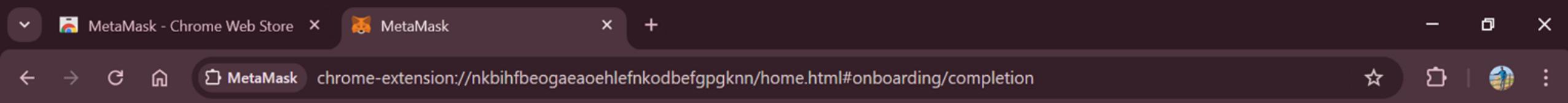
Confirm

Put the Missing Keys from Previous Step



Type here to search





Wallet creation successful

You've successfully protected your wallet. Keep your Secret Recovery Phrase safe and secret -- it's your responsibility!

Remember:

- MetaMask can't recover your Secret Recovery Phrase.
- MetaMask will never ask you for your Secret Recovery Phrase.
- **Never share your Secret Recovery Phrase** with anyone or risk your funds being stolen
- [Learn more](#)

[Advanced configuration](#)

[Got it](#)

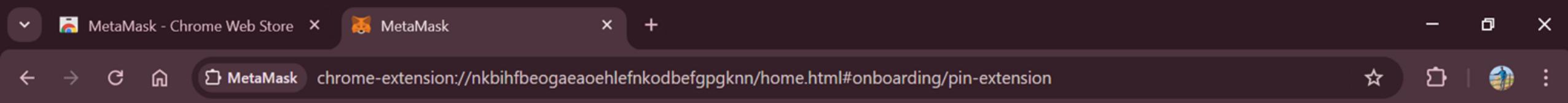


Type here to search



11:40 PM
06-10-2024



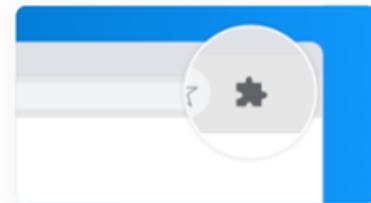


Your MetaMask install is complete!

Pin MetaMask on your browser so it's accessible and easy to view transaction confirmations.

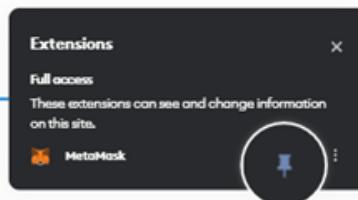
1

Click the browser extension icon



2

Pin MetaMask



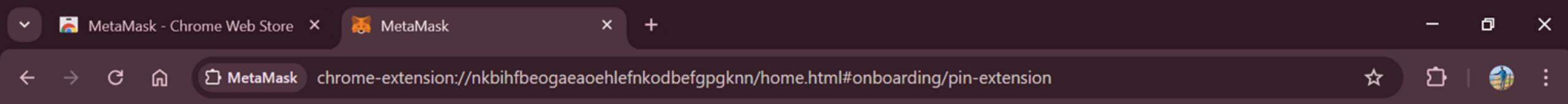
Next



Type here to search



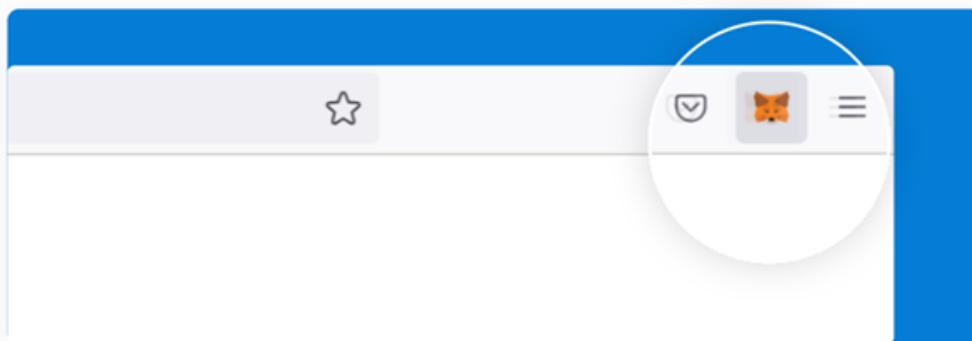
11:40 PM
06-10-2024



Your MetaMask install is complete!

You can open MetaMask by clicking on the extension and access your wallet with 1 click.

Click browser extension icon to access it instantly



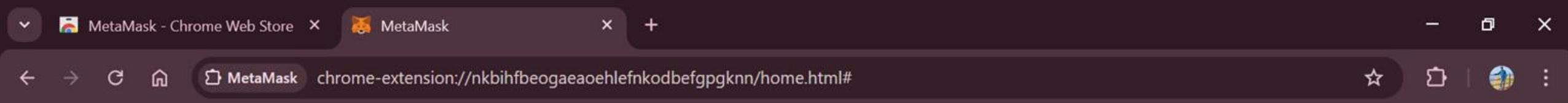
Done



Type here to search



11:40 PM
06-10-2024



◆ Ethereum Mainnet ▾

Account 1 ▾

0x3bF98...DC0d5

0 ETH

\$0.00 USD

+\$0.00 (+0.00%)



Buy & Sell



Send



Swap



Bridge



Portfolio

Tokens

NFTs

Activity

Fund your wallet

Get started by adding some ETH to your wallet.

Buy ETH

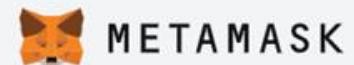
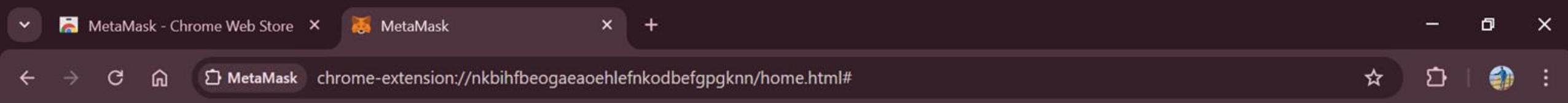


Type here to search



11:40 PM
06-10-2024





Ethereum Mainnet

Account 1

0x3bF98...DC0d5

0 ETH

\$0.00 USD

+\$0.00 (+0.00%)



Tokens

NFTs

Fund your wallet

Get started by adding some ETH to your wallet.

Buy ETH

Notifications New!

Account details

View on explorer

All Permissions

Snaps

Support

Settings

Lock MetaMask

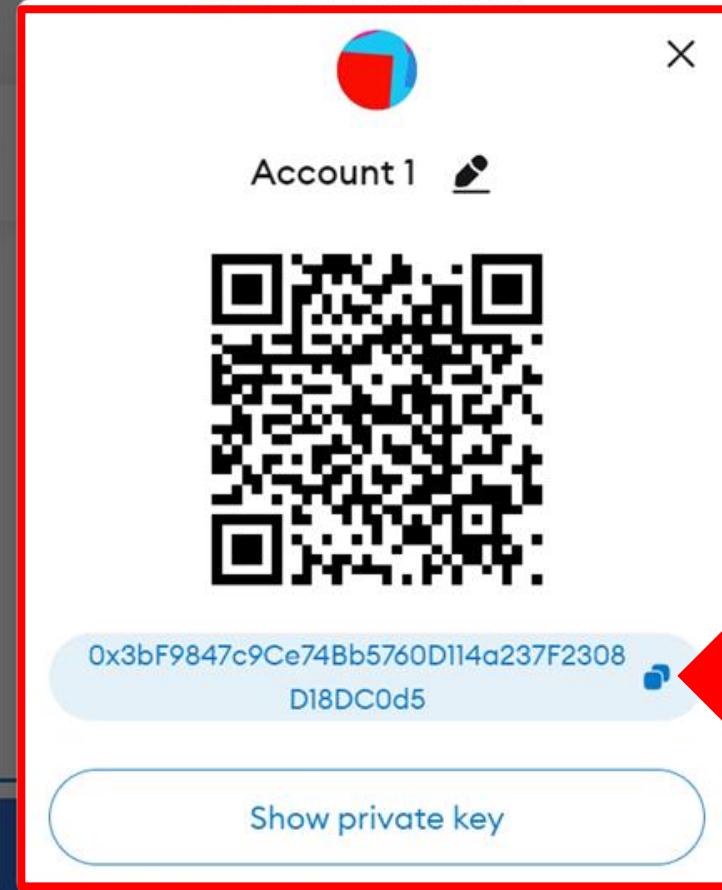


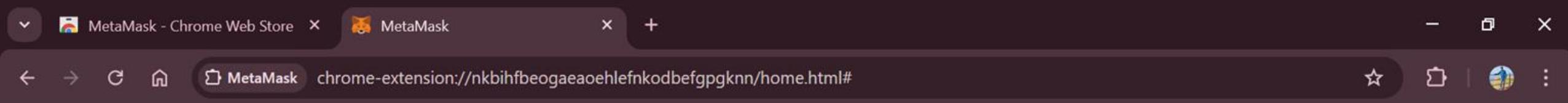
Type here to search



11:42 PM
06-10-2024
ENG

This is our
Wallet public
Address
Copy it...!





Ethereum Mainnet

Account 1

0x3bF98...DC0d5

0 ETH

\$0.00 USD

+\$0.00 (+0.00%)



Buy & Sell



Send



Swap



Bridge



Portfolio

Tokens

NFTs

Activity

Fund your wallet

Get started by adding some ETH to your wallet.

Buy ETH



Type here to search



11:40 PM
06-10-2024



A screenshot of a Windows desktop showing a MetaMask extension in a web browser. The browser tabs are "MetaMask - Chrome Web Store" and "MetaMask". The address bar shows "chrome-extension://nkbihfbeogaeaoehlefknkodbefgpgknn/home.html#". The MetaMask interface is displayed over the browser, with a "Select a network" modal open.

The modal has a search bar labeled "Search" and a note "reorder them." Below is a list titled "Enabled networks" with two items: "Ethereum Mainnet" and "Linea Mainnet". A red arrow points to a toggle switch labeled "Show test networks" which is currently turned on (blue). At the bottom is a blue button labeled "+ Add network".

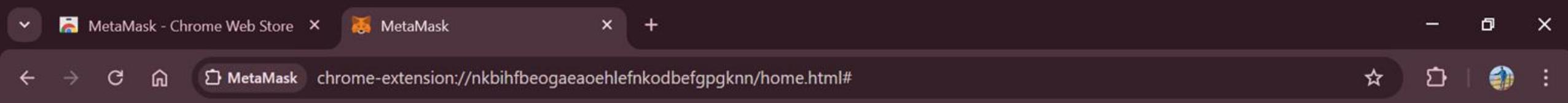
On the left side of the main interface, there's a "Tokens" section with a "Fund your wallet" button, a "Buy ETH" button, and a "Get started by adding some..." message. On the right, there's an "Activity" section featuring a cartoon character.

The system tray at the bottom shows icons for File Explorer, Task View, Google Chrome, File Manager, VLC Media Player, and Microsoft Edge. The date and time are shown as "06-10-2024 11:50 PM ENG".

A screenshot of a Windows desktop showing a MetaMask extension in a web browser. The browser tab bar includes 'MetaMask - Chrome Web Store' and 'MetaMask'. The main content area shows the MetaMask interface with a 'Select a network' dialog box overlaid.

The 'Select a network' dialog has a search bar at the top. Below it, 'Ethereum Mainnet' is selected, indicated by a blue background and a downward arrow icon. Other options listed are 'Linea Mainnet' (with a 'L' icon) and 'Sepolia' (with a purple 'S' icon). A red arrow points to the 'Sepolia' entry. A toggle switch labeled 'Show test networks' is turned on, with its switch being blue. At the bottom of the dialog is a blue button labeled '+ Add network'.

In the background, the main MetaMask interface shows a dropdown menu set to 'Ethereum Mainnet'. Below it, there are sections for 'Tokens' (with a 'Fund your wallet' button), 'Activity' (with a cartoon character icon), and a 'Buy ETH' button. The system tray at the bottom shows various icons and the date/time: '11:50 PM 06-10-2024 ENG'.



METAMASK

Ethereum Mainnet ▾

Account 1 ▾

0x3bF98...DC0d5

⋮

0 SepoliaETH

+\$0.00 (+0.00%)



Buy & Sell



Send



Swap



Bridge



Portfolio

Tokens

NFTs

Activity

Fund your wallet

Get started by adding some ETH to your wallet.

Buy ETH



Type here to search



11:40 PM
06-10-2024

MetaMask - Chrome Web Store X | MetaMask X | Sepolia ETH faucet - Google Se. X +

← → C ⌂ google.com/search?q=Sepolia+ETH+faucet&sca_esv=9591cd56803235d2&rlz=1C1CHBF_enIN1123IN1123&sxsrf=ADLYWIlvyAs9MYAsgQ0wwW... ☆ ⌂ ⌂

Google

Sepolia ETH faucet

সর্ব Shopping ইমেজ হিডিও বাতম্যা নকাশে বেব : অধিক দুল

Google Cloud
<https://cloud.google.com> ... যা পানাচে ভাষাংতর করা :

Ethereum Sepolia Faucet

The **faucet** will create a transaction on the chosen network that sends a small amount of testnet tokens to the provided address. If you're curious, you can track ...

Alchemy
<https://www.alchemy.com> ... যা পানাচে ভাষাংতর করা :

Ethereum Sepolia Faucet

This **faucet** is designed to provide test tokens to real-world developers who need to test their smart contracts and interact with the blockchain. In order to ...

Infura
<https://www.infura.io> ... যা পানাচে ভাষাংতর করা :

Sepolia ETH delivered straight to your wallet.

What is a **faucet**? A **faucet** is a platform that gives you test tokens to use when testing your smart contracts. In this case, our **faucet** is giving you **Sepolia ETH** ...



<https://cloud.google.com/application/web3/faucet/ethereum/sepolia>

Type here to search ⌂

12:16 AM
07-10-2024 ENG

MetaMask - Chrome Web Store | MetaMask | Ethereum Sepolia Faucet

cloud.google.com/application/web3/faucet/ethereum/sepolia

Google Cloud Web3

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Introducing Blockchain RPC: Get up to 1 million requests per day for free. Try it now!

Ethereum Sepolia Faucet BETA

Get free Sepolia ETH sent directly to your wallet. Brought to you by [Google Cloud for Web3](#).

Select network*

*required

Wallet address *

Enter the account address where you want to receive tokens

Receive 0.05 Sepolia ETH

Note: We securely handle the provided wallet address while processing your request. This data is not used by any other Google services.

Past here our wallet Public address

FAQ

12:16 AM
07-10-2024

MetaMask - Chrome Web Store | MetaMask | Ethereum Sepolia Faucet

cloud.google.com/application/web3/faucet/ethereum/sepolia

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Introducing Blockchain RPC: Get up to 1 million requests per day for free. Try it now!

Ethereum Sepolia Faucet BETA

Get free Sepolia ETH sent directly to your wallet. Brought to you by [Google Cloud for Web3](#).

Select network* — Sepolia

*required

Wallet address * — 0x3bF9847c9Ce74Bb5760D114a237F2308D18DC0d5

Enter the account address where you want to receive tokens

Receive 0.05 Sepolia ETH

Note: We securely handle the provided wallet address while processing your request. This data is not used by any other Google services.

FAQ

Past here our wallet Public address That we hade copied in previous steps

Type here to search

12:16 AM
07-10-2024

MetaMask - Chrome Web Store | MetaMask | Ethereum Sepolia Faucet

cloud.google.com/application/web3/faucet/ethereum/sepolia

Google Cloud Web3

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Type here to search

Introducing Blockchain RPC: Get up to 1 million requests per day for free. Try it now!

Ethereum Sepolia Faucet BETA

Get free Sepolia ETH sent directly to your wallet. Brought to you by [Google Cloud for Web3](#).

Drip in queue

Your testnet tokens are on the way! This may take a few moments.

Network
Ethereum Sepolia

Recipient
0x3bF9847c9Ce74Bb5760D114a237F2308D18DC0d5

Build on Blockchain RPC and get up to 100 requests / second for free

12:17 AM 07-10-2024 ENG

The screenshot shows a web browser window with the URL 'cloud.google.com/application/web3/faucet/ethereum/sepolia'. The left sidebar has a blue highlight over the 'Faucet' option. The main content area features a dark card with the heading 'Drip in queue'. Inside, there's an info icon and the text 'Your testnet tokens are on the way! This may take a few moments.' Below that, it says 'Network Ethereum Sepolia' and 'Recipient 0x3bF9847c9Ce74Bb5760D114a237F2308D18DC0d5'. A red box highlights this entire card. At the bottom right of the card, there's a small illustration of two people working on a computer. The status bar at the bottom shows the date and time as '12:17 AM 07-10-2024 ENG'.

MetaMask - Chrome Web Store | MetaMask | Ethereum Sepolia Faucet

cloud.google.com/application/web3/faucet/ethereum/sepolia

Google Cloud Web3

Home

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Faucet

Events

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Feedback

Type here to search

Introducing Blockchain RPC: Get up to 1 million requests per day for free. Try it now!

Ethereum Sepolia Faucet BETA

Get free Sepolia ETH sent directly to your wallet. Brought to you by [Google Cloud for Web3](#).

Drip complete

Testnet tokens sent! Check your wallet address.

Network
Ethereum Sepolia

Recipient
0x3bF9847c9Ce74Bb5760D114a237F2308D18DC0d5

Transaction hash
[0x48b4b8cd2b9868723243ec7eb57454bbab988e1deb8513f135d0b3708130eb98](#)

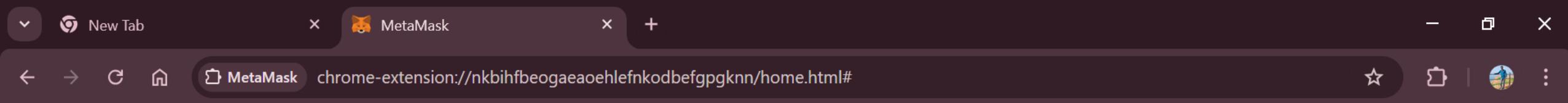
DONE

12:17 AM 07-10-2024 ENG

A screenshot of a Microsoft Edge browser window showing the MetaMask extension interface. The title bar includes tabs for "MetaMask - Chrome Web Store", "MetaMask", and "Ethereum Sepolia Faucet". The main content area displays the MetaMask home page for the Sepolia network, showing a balance of 0.05 SepoliaETH. Key features like "Buy & Sell", "Send", "Swap", "Bridge", and "Portfolio" are visible. A large red arrow points upwards from the bottom of the screen towards the browser's address bar. A prominent text overlay at the bottom right reads "Refresh the Page".



Refresh the Page



S Sepolia

Account_1

0x3bF98...DC0d5

0.05 SepoliaETH



Buy & Sell



Send



Swap



Bridge



Portfolio

Tokens

NFTs

Activity

Oct 7, 2024



Receive

Confirmed

0.05 SepoliaETH

0.05 SepoliaETH



Type here to search



11:04 AM
13-10-2024



S Sepolia

Ganesh Ugale

Receive

Status [View on block explorer](#)

Confirmed

From 0x42645...0f... To Ganesh U...

Transaction

Nonce	180415
Amount	0.05 SepoliaETH
Gas Limit (Units)	21000
Gas price	2498.34465616
Total	0.10246524 SepoliaETH

[MetaMask support](#)

Thank You!

