

Explorer User Guide

Release Version: 1.1 Release Date: 02-10-2024

www.blockdag.network | www.bdagscan.com



TABLE OF CONTENTS

| 1. | Introd | Introduction 4 | | | | |
|----|---------|---|----|--|--|--|
| 2. | Home | Home: Your Dashboard at a Glance5 | | | | |
| | 2.1. 5 | Search | 5 | | | |
| | 2.1.1. | Network Selection | 5 | | | |
| | 2.1.2. | Search Field | 6 | | | |
| | 2.1.3. | Search Results | 7 | | | |
| | 2.2. [| Dashboard Summary | 14 | | | |
| | 2.3. 5 | Summary | 15 | | | |
| 3. | Block | S | 18 | | | |
| | 3.1. \ | View the Selected Block Details | 19 | | | |
| | 3.2. \$ | Specific Block Details | 20 | | | |
| 4. | Trans | sactions: Monitoring the Flow | 22 | | | |
| | 4.1. \ | View the Selected Transaction Details | 23 | | | |
| | 4.2. \$ | Specific Transaction Details | 24 | | | |
| 5. | Fauce | et: Get Test Tokens for Exploration | 26 | | | |
| | 5.1. F | Faucet: Sending the BDAG Tokens | 26 | | | |
| | 5.2. F | Recent Transaction List | 28 | | | |
| 6. | Metal | Mask Integration | 31 | | | |
| | 6.1. I | Installing MetaMask Wallet | 32 | | | |
| | 6.2. 5 | Setting Up Your MetaMask Wallet | 33 | | | |
| | 6.3. 0 | Connecting MetaMask to the BlockDAG Network | | | | |





1. Introduction

In the BlockDAG network, where transactions happen quickly and the network's state is always changing, the BlockDAG Explorer is a tool that helps you understand and navigate this system. It provides a clear view of how the network works by allowing you to track transactions, monitor activity in real-time, and explore the flow of data.

The Explorer makes it easier to see what's happening within the network, offering detailed information on block transactions, historical records, and current network status. Whether you're a developer, researcher, or simply interested in the technology, the BlockDAG Explorer gives you the tools to observe the network's activity and straightforwardly understand its functions.

In this guide, we will explore the various features of the BlockDAG Explorer, providing you with the standard knowledge to utilize this tool effectively. The following sections will be covered in detail:

- ✤ <u>Home</u>
- Blocks
- Transactions
- ✤ Faucet

Let's get started 🚀



2. Home: Your Dashboard at a Glance

The moment you step into BlockDAG Explorer, you're greeted with the Home screen — a dashboard summarizing everything happening on the BlockDAG network in real-time. From here, you can quickly visualize the **BlockDAG Explorer** screen.

| BlockDAG | | BlockDAG | Explorer (Testnet B | eta 1) |
|--------------------|---|----------------------------|------------------------------|--|
| G Home | > | EVM V Search by | / Address / Txn Hash / Block | Q |
| 🗇 Blocks | | | | |
| (\$) Transaction | | DASHBOARD SUMMARY | | |
| () Faucet | | BLOCKDAG PRICE \$0.0192 | C TOTAL BLOCK 25297 | BLOCKDAG TRANSACTION HISTORY \$45438.10 |
| Add BDAG Network | × | LAST SAFE BLOCK 25296 | TOTAL TRANSACTIONS 20340 | 4,000 3,000 2,000 1,000 0 Thu Pri Sat Sun Mon Tue Wed |
| BlockDAG: \$0.0192 | 2 | | | |

2.1. Search



2.1.1. Network Selection

You can choose between **EVM** (Ethereum Virtual Machine) and **UTXO** (Unspent Transaction Output) from the dropdown depending on the network type you want to interact with.



| BlockDAG | | BlockDAG | Explorer (Testnet Be | eta 1) |
|--|---|--------------------------------|--|--|
| EVM A Search by Address / Txn Hash / Block Q | | | | a |
| Blocks | | EVM | | |
| (\$) Transaction | > | | | |
| ⊘ Faucet | > | (§) BLOCKDAG PRICE \$0.0192 | TOTAL BLOCK | BLOCKDAG TRANSACTION HISTORY \$ 45488.10 6.000 5.000 |
| | | (C) LAST SAFE BLOCK 25296 | TOTAL TRANSACTIONS 20340 | 4,000 3,000 2,000 1,000 0 Thu Fri Sat Sun Man The Wet |
| BlockDAG: \$0,0192 | | | | |

| Network | Description |
|---|---|
| EVM (Ethereum Virtual Machine) | The Ethereum Virtual Machine (EVM) is the runtime environment for smart contracts in Ethereum. It is responsible for executing the smart contract code and managing the state of the Ethereum blockchain. When selecting the EVM option, the explorer focuses on addresses, transactions, and blocks related to Ethereum-based or compatible networks. |
| UTXO (Unspent Transaction Output) | UTXO is a fundamental concept in the Bitcoin blockchain and similar blockchains. It represents the unspent output from a transaction that can be used as input in a new transaction. When the UTXO option is selected, the explorer will search transactions and blocks based on the UTXO model used in networks like Bitcoin. |

2.1.2. Search Field

After selecting the appropriate network type, enter any of the following in the search bar:

Address (an account or wallet address):

A **wallet address** refers to a unique string of characters that represents a destination on the blockchain, where cryptocurrency or digital assets can be sent, stored, or received. This address acts like a bank account number in traditional finance but is specifically tied to blockchain networks using the Directed Acyclic Graph (DAG) structure.

The example of the address is "0x410344ab6f949cd9f9013c52d1e59932f0f08967".



Transaction Hash (unique identifier for a transaction):

A **transaction hash** (often called a TXID) is a unique identifier generated for each transaction on the blockchain. This hash is a string of alphanumeric characters created through cryptographic algorithms, which ensures the security and integrity of the transaction.

The example of the transaction hash is "0xe38917858574297e2612a2f2c8fdeed0d0180be8dd1c778ad23d2bcf77383b6a".

Block (block number or block hash):

A **block number** or **block hash** refers to a collection of data that contains a group of transactions processed on the blockchain. Each block is cryptographically linked to the previous one, forming a chain. In the BlockDAG (Directed Acyclic Graph) structure, blocks are not strictly linear as in traditional blockchains but instead form a more complex web of connections that enhances scalability and transaction throughput.

The example of the block is "#42930".

| BlockDAG | | BlockDAG E | xplorer (Testnet Beta 1) | |
|-------------------|----|----------------------------|-----------------------------|--|
| Home | > | EVM V Search by Ac | ldress / Txn Hash / Block | |
| 🗇 Blocks | | | | |
| (\$) Transaction | | DASHBOARD SUMMARY | | |
| 💮 Faucet | | BLOCKDAG PRICE \$0.0192 | C TOTAL BLOCK 28248 | BLOCKDAG TRANSACTION HISTORY \$ 45835.23 .000 |
| | | (AST SAFE BLOCK 28247 | TOTAL TRANSACTIONS 23512 | 4,000 3,000 2,000 1,000 0 Thu Fri Sat Sun Mon Tue Wed |
| Add BDAG Network | × | | | |
| BlockDAG: \$0.019 | 12 | | - 75 4 10 4 07 10 10 | |

2.1.3. Search Results



The search results in the BlockDAG Explorer will vary based on the network selection (EVM or UTXO) and type of input.

Wallet Address

When you enter a **wallet address**, the explorer will fetch and display all transactions associated with that address, including the balance, transaction history, and other relevant details.

| BlockDAG | ADDRESS Ox61a3c5d9899d0 |)e905a1cd9c37ad | ace66c1fdbd8f | | | Copy |
|--|---|--|-------------------------|---|---------------------------|------|
| 🛆 Home 🗇 Blocks | BALANCE O BDAG LAST TXN SENT | | | BLOCKDAG VALUE \$0.0192 (\$0) FIRST TXN SENT | | |
| ③ Transaction ⓒ Faucet | Uxco/e9f4U | | | | | |
| | TXN HASH 0x5b899b50 VALUE TXN 129.999452 0.00 | BLOCK 29703 FEE 0003913429 BDA4 | AGE 43 secs ago G | FROM Ox61adbd8f 🍙 | TO Oxcc5e8c0e 🎒 | |
| Add BDAG Network BlockDAG: \$0.0192 | TXN HASH OxOed13b47 VALUE TXN 9.9999608 0.00 | BLOCK 29699 FEE 1003913429 BDA | AGE 1 mins ago G | FROM Ox2946cbae 🍘 | TO Ox61adbd8f 🗗 | |

The wallet address result page contains the following field details:

| Fields | Description |
|---|--|
| Address | This is the unique identifier of the wallet or account on the BlockDAG network. It is a long alphanumeric string that represents the public address where transactions can be sent to or received from. In the screenshot, the address is displayed in full, and there is a copy button that allows you to easily copy the address to the clipboard. |
| Balance | This is the unique identifier of the wallet or account on the BlockDAG network. It is a long alphanumeric string that represents the public address where transactions can be sent to or received from. In the screenshot, the address is displayed in full, and there is a copy button that allows you to easily copy the address to the clipboard. |
| Last TXN Sent (Last Transaction Sent) | This field displays the Transaction Hash of the most recent transaction sent from the address. You can click on the transaction hash to view more details about this specific transaction. It also includes a copy button for easy access. |
| BlockDAG Value | This shows the current market price of the BDAG token in USD and its equivalent value in terms of the wallet balance. In this case, it displays "\$0.0192" which is the price per BDAG token, and "\$0" as the value of the balance, indicating no current holdings. |
| First TXN Sent (First Transaction | This field displays the Transaction Hash of the very first transaction sent from the address. Similar to the "Last TXN Sent," it allows you to click on the hash for more information or copy |



| Sent) | the hash. |
|-----------------------------------|---|
| TXN HASH (Transaction Hash) | This is the unique identifier for each transaction involving the address. The hash can be clicked to view more detailed information about the transaction, including confirmation status, gas fees, and block inclusion. A copy button is provided for convenience. |
| Block | The block number in which the transaction was included. This field helps trace back the block that contains the transaction, which can be cross-referenced for details about the time and other transactions within the block. |
| Age | The time that has passed since the transaction was confirmed. In this case, it is displayed in seconds or minutes (e.g., "43 secs ago" and "1 min ago"), indicating how recent the transaction is. |
| From | The address that sent the transaction. If the transaction was sent by the address being searched, it will show this address. In the case of incoming transactions, this field will show the sender's address. |
| То | The recipient address of the transaction. This field shows the destination account or wallet address receiving the funds or tokens in the transaction. |
| Value | his is the amount of BDAG transferred in the transaction. It represents the token value that was sent from the sender to the recipient. For example, "129.999452" BDAG indicates a substantial transfer. |
| TXN Fee (Transaction Fee) | This field shows the fee paid for processing the transaction on the network, expressed in BDAG tokens. It reflects the cost incurred by the sender for the transaction to be validated and confirmed on the network. The fee varies depending on the network's conditions at the time of the transaction. |

Transaction Hash

If you enter a transaction hash, the search will return specific information about that

transaction, such as the sender, receiver, amount transferred, and the transaction status.



| BlockDAG « | TRANSACTION HASH 0x6606960741e7a13366f9be341ec7cf251e2aa08be3ad20dcb09817f5248d15e0 |
|--|--|
| ☐ Home > ☐ Blocks > | TRANSACTION DETAILS |
| (a) Transaction > (b) Faucet > | BLOCK NUMBER 29742 O STATUS |
| | TIME Just now (2024-09-25 16:31:36) |
| Add BDAG Network 👹 BlockDAG: \$0.0192 | 0x410344ab6f949cd9f9013c52d1e59932f0f08967 |

The transaction hash result page contains the following field details:

| Fields | Description |
|-----------------|--|
| Block Number | The number of the block in which the transaction was included. This number indicates the position of the block within the blockchain. |
| Status | The current status of the transaction (e.g., "Success" or "Failed"). It reflects whether the transaction was successfully processed and confirmed by the network. |
| Time | The timestamp of when the transaction was included in the block. It indicates the exact date and time of the transaction's confirmation. |
| From | The address of the sender who initiated the transaction. This is the account from which the assets or tokens are transferred. |
| То | The recipient address where the transaction is sent. This is the destination account receiving the assets or tokens. |
| Value | The amount of cryptocurrency or tokens transferred in the transaction. It reflects the value sent from the sender to the recipient. |
| Transaction Fee | The total fee paid for processing the transaction. It is calculated based on the network's fee structure and is deducted from the sender's account. |
| Gas Fee | The fee required to execute the transaction on networks that use gas (e.g., Ethereum). It is determined by the computational resources required to process the transaction. |



| BlockDAG « | TRANSACTION DETAILS |
|--------------------|--|
| | BLOCK NUMBER |
| 🛆 Home > | 29647 🗇 |
| 🗇 Blocks > | STATUS |
| S Transaction → | Success 🗸 |
| | TIME |
| | Just now (2024–09–25 16:10:37) |
| | FROM |
| | 0x410344ab6f949cd9f9013c52d1e59932f0f08967 |
| | то |
| Add BDAG Network | 0x9869d7658a2d1235e7da61d55b6f8ff3a2abdbff |
| BlackDAG: \$0.0192 | VALUE |
| BIOCKDAG. 30.0152 | 10 BDAG (\$0.191999999999999998) |

Block

For a **block number** or **block hash**, the explorer will present details about the block, including the list of transactions within it, the timestamp, and the gas usage. Each result is displayed on the dashboard, providing you with a clear and comprehensive view of the specific information related to your search query.

| BlockDAG « | < BLOCK NUMBER : 29750 |
|--------------------|--|
| 🔓 Home > | |
| Blocks > | DETAILS |
| (S) Transaction > | CURRENT DEPTH |
| ଡି Faucet > | BASE FEE |
| | BLOCK HASH |
| | 0xcf7e52992450ebd78c4cb3faf95e04565a0d7cab54145d92749lb6a7b3a896f1 |
| Add BDAG Network | 29750 |
| BlockDAG: \$0.0192 | AGE |

The block number result page contains the following field details:



| Fields | Description | | | |
|------------------|--|--|--|--|
| Block Number | This is the unique identifier of the block on the BlockDAG network. Each block is assigned a sequential number as it is added to the blockchain. In this case, the block number is 29750 . The block number helps users trace the specific block and its details within the chain. | | | |
| Current Depth | This represents the depth of the block , which indicates how many blocks have been added after this particular block. A smaller depth value signifies that the block is closer to the tip of the chain, while a larger value indicates that more blocks have been added on top of it. In this case, the current depth is 2, meaning two more blocks have been added after this one. | | | |
| Base Fee | The Base Fee is the minimum amount required to include transactions in the block. It is expressed in BDAG tokens. In this example, the base fee is 0.0000000000000168 BDAG , indicating the cost of processing transactions within this block. | | | |
| Block Hash | This is the cryptographic hash of the block , which uniquely identifies the block based on its contents. The hash ensures the security and integrity of the block's data. Users can click or copy the block hash to explore more information about the block across different platforms. The hash in this case is: 0xcf7e52992450ebd78c4cb3faf95e04565a0d7cab54145d927491b6a7b3a896f1 . | | | |
| Total Difficulty | The Total Difficulty represents the cumulative difficulty required to mine this block and all previous blocks in the chain. The difficulty level indicates how computationally hard it is to add new blocks to the network. In this case, the total difficulty is 29750, which is associated with this block's number. | | | |
| Age | This field indicates how long ago the block was mined and added to the blockchain. It is displayed in seconds, minutes, or hours. The age helps users understand how recent the block is. | | | |
| Transaction | This field displays the number of transactions included in the block. Each block can contain multiple transactions, and this value reflects how many were processed and recorded within this specific block. It helps users understand the transactional activity associated with the block. | | | |
| Size | The size of the block is generally measured in bytes (B), kilobytes (KB), or megabytes (MB). This field represents the total size of the block, including all the transactions and metadata it contains. Larger blocks usually contain more data or transactions. Monitoring the block size helps in assessing network efficiency and scalability. | | | |
| Gas Used | This indicates the total amount of gas consumed by all the transactions within the block. Gas is a unit that measures the computational effort required to execute transactions or smart contracts on the network. This value helps to track the block's overall resource consumption. | | | |
| Gas Limit | The Gas Limit is the maximum amount of gas that can be used for transactions in this block. This value sets an upper boundary for the computational effort the block can handle. The gas limit is predefined and ensures that a block cannot exceed the set resource limit. | | | |
| Difficulty | This field shows the difficulty level of mining the block . It reflects how computationally hard it was to mine this specific block on the network. The difficulty adjusts over time based on network conditions, and a higher difficulty means more resources were needed to validate the block. | | | |



| Parent Hash | The Parent Hash is the cryptographic hash of the previous block in the chain (the parent block). This hash creates the linkage between blocks, ensuring the immutability of the blockchain. By referencing the parent block, this hash maintains the integrity of the block's position in the chain. |
|---------------|---|
| Receipts Root | This is the root of the Merkle tree that stores all transaction receipts in the block. The receipt root is a cryptographic hash representing the root of the receipts' data structure, which holds information about the state changes, logs, and status of the transactions in the block. It ensures that all transaction outcomes are properly recorded and traceable. |



2.2. Dashboard Summary

The **Dashboard Summary** in the BlockDAG Explorer provides a real-time snapshot of the network's key metrics, helping users monitor the current state of the BlockDAG network. This section displays important data related to block count, transaction volume, and token price, enabling users to quickly assess the network's health and activity.

| BlockDAG | | BlockDAG E | xplorer (Testnet Beta 1) | |
|--|---|----------------------------|-----------------------------|---|
| Home | > | EVM 🗸 Search by Ac | ldress / Txn Hash / Block | 2 |
| 🗇 Blocks | | | | |
| (\$) Transaction | | DASHBOARD SUMMARY | | |
| | | BLOCKDAG PRICE \$0.0192 | C TOTAL BLOCK 28884 | BLOCKDAG TRANSACTION HISTORY \$ 45933.60 6.000 6.000 |
| | | LAST SAFE BLOCK 28884 | TOTAL TRANSACTIONS 24181 | 4,000 3,000 2,000 1,000 0 Thu Fri Satt Sun Mon Tue Wed |
| Add BDAG Network BlockDAG: \$0.019; | 2 | SUMMARY | | |

| Fields | Description |
|---------------------------------|---|
| BlockDAG Price | This displays the current price of the BlockDAG token. The price is usually updated in real-time, providing a market value that reflects ongoing changes in the token's trading activity. |
| Total Block | The total number of blocks that have been created and added to the BlockDAG network. Each block represents a collection of transactions processed and confirmed by the network. |
| Last Safe Block | This field shows the number of the most recent " safe " block. A "safe" block has been confirmed and validated, ensuring its place in the permanent ledger without risk of reversal. |
| Total Transactions | The total number of transactions that have been processed on the BlockDAG network. This cumulative number gives insight into the overall activity and usage of the network. |
| BlockDAG Transaction History | This graph visualizes the recent transaction volume on the network over some time. It helps users track the flow of transactions, providing a historical perspective on network activity levels over specific days or weeks. |



2.3. Summary

The **Summary** section of the BlockDAG Explorer provides a real-time view of the latest blocks and transactions happening on the network. This section allows users to track recent activity, including block generation and transaction details, offering an immediate snapshot of the network's ongoing processes. Users can toggle between **Latest Blocks** and **Latest Transactions** to explore either block-related data or transaction-specific details.



Latest Blocks Tab

| Fields | Description |
|------------------------------|--|
| Block Number (Block) | This represents the identifier for a specific block on the BlockDAG network. Each new block is assigned a unique number which increments as new blocks are added to the blockchain. |
| Hash | The unique identifier of the block is a cryptographic string generated based on the block's data. The hash ensures the integrity and security of the block's contents, and users can click on the hash to view more detailed information. |
| Age | Indicates how recently the block was added to the blockchain. This is generally represented in seconds or minutes (e.g., "4 seconds ago"), giving users an idea of how current the block is. |
| TX Count (Transaction Count) | This field shows the number of transactions included in the block. A higher transaction count suggests that the block contains more transactional activity on the network. |



| Gas Used | The amount of gas (computational effort) that was consumed to process the transactions within the block. Gas is a fundamental concept in blockchain networks like Ethereum, and this value indicates how much gas was utilized for the block's transactions. |
|-----------|---|
| Gas Limit | The maximum amount of gas that can be used in the block. This is predefined and represents the upper limit of computational resources that can be consumed by the block's transactions. |
| Base Fee | The minimum amount of fees required for transactions to be included in a block. This is expressed in the network's native token (BDAG) and ensures that the network can prioritize transactions based on the fee paid. |

Latest Transactions Tab



| Fields | Description |
|--------------------------------|--|
| TXN HASH (Transaction Hash) | This is the unique identifier of the transaction on the network. Each transaction is assigned a hash, which is a cryptographic string used to reference the transaction. Users can click on this hash to get more details about the specific transaction. |
| Block | The block number in which the transaction was included. This number represents the position of the block within the blockchain that confirms the transaction. |
| Method | The type of transaction method being performed. In the screenshot, the method is Transfer, indicating that the transaction involves transferring assets or tokens from one address to another. |
| Age | This field shows how recently the transaction was included in the block, usually displayed |



| | in seconds or minutes (e.g., "18 seconds ago"). It helps users track the real-time processing of transactions. |
|------------------------------|--|
| From | The address of the sender who initiated the transaction. Similar to the To field, the sender's address is displayed in an abbreviated form for convenience. |
| То | The recipient address where the assets or tokens are being sent. This is the destination address of the transaction, displayed in an abbreviated form for easier viewing. |
| Value | The amount of cryptocurrency or tokens transferred in the transaction. It represents the total value sent from the sender's account to the recipient's account, denominated in the network's token (e.g., BDAG). |
| TXN Fee (Transaction Fee) | The fee is paid for processing the transaction on the network. This fee is charged by the network for confirming and validating the transaction and is generally deducted from the sender's account. |



3. Blocks

At the core of every blockchain are **blocks**. They store data, verify transactions, and ensure that everything is running smoothly. The Blocks page of the BlockDAG Explorer serves as a fundamental component in visualizing and interacting with the underlying architecture of the BlockDAG network.

Blocks are the backbone of blockchain networks, representing a collection of validated transactions that are permanently added to the blockchain. In the BlockDAG Explorer, this page allows users to track recent blocks, their contents, and associated transaction data, providing deep insights into the network's ongoing operations.

The Blocks page offers an organized view of the latest blocks along with their essential details, such as the number of transactions, gas limits, and time since their creation. It gives users the ability to monitor the health and activity of the network, helping developers, miners, and enthusiasts stay informed about the network's operational flow.

| BlockDAG | | | | | | | | |
|--|--------|---------------------------------------|--|--------------------|---------------|--------------------|-------------------------|---|
| Home Blocks | > > | (c) LAST SAFE BL 29961 | оск | | | | | |
| ③ Transaction ④ Faucet | | BLOCK #29961 BASE FEE O BDAG | KS FROM 29952 TO 29961 HASH Ox1a83b316 👩 | AGE 18 secs ago | TX COUNT 1 | GAS USED 21,000 | GAS LIMIT 30,000,000 | > |
| Add BDAG Network BlockDAG: \$0.0192 | M | BLOCK #29960 BASE FEE O BDAG | HASH 0x0925832b 🗇 | AGE 37 secs ago | TX COUNT 1 | GAS USED 21,000 | GAS LIMIT 30,000,000 | > |

| Fields | Description |
|-----------------|--|
| Last Safe Block | This field shows the most recent "safe" block in the network. A safe block has been |



| | confirmed and is now part of the immutable blockchain, meaning it can no longer be reverted. In the screenshot, the last safe block is block #29961, which is a critical metric for understanding the most current secure state of the blockchain |
|------------------------------------|--|
| Block Number | The block number is a sequential identifier for a block within the blockchain. In the screenshot, block numbers like #29961 and #29960 are shown. Each new block receives a number that represents its place in the chain, helping users easily reference it. |
| Hash | The block hash is a unique cryptographic string generated from the block's data. It ensures the integrity and immutability of the block. This hash links each block to its predecessor, maintaining the continuity of the blockchain. In the table, you see truncated hashes like 0x1a83b316 for block #29961 . Users can click the hash to view more details or copy it for further exploration. |
| Age | This field indicates the time that has passed since the block was mined and added to the blockchain. It helps users track how recently the block was confirmed. For example, in the screenshot, block #29961 was added 18 seconds ago, while block #29960 was added 37 seconds ago. |
| TX Count (Transaction Count) | This represents the number of transactions included in the block. It shows how much transactional activity is recorded within a specific block. In the screenshot, both blocks #29961 and #29960 contain 1 transaction, indicating light activity in these blocks. |
| Gas Used | This is the maximum amount of gas that can be consumed by the transactions in the block. It sets an upper limit for the computational effort the block can process. For blocks #29961 and #29960 , the gas limit is 30,000,000, providing ample room for complex transactions to be included. |
| Gas Limit | This is the maximum amount of gas that can be consumed by the transactions in the block. It sets an upper limit for the computational effort the block can process. For blocks #29961 and #29960 , the gas limit is 30,000,000, providing ample room for complex transactions to be included. |
| Base Fee | The base fee represents the minimum amount of fees required to include transactions in a block. It is expressed in BDAG tokens. In the screenshot, the base fee for both blocks is 0 BDAG , indicating no minimum cost for transactions in these specific blocks. |

3.1. View the Selected Block Details

An arrow button next to each block entry at the blocks page. Clicking on this arrow will redirect you to the Blocks page, where you can view more detailed information about the selected block.



| BlockDAG « | SUMMARY |
|--|--|
| Home > | LAST SAFE BLOCK 43333 |
| BIOCKSFransaction | SHOWING BLOCKS FROM 43324 TO 43333 |
| | BLOCK HASH AGE TX COUNT GAS USED GAS LIMIT #433333 Oxf8b66e8d (*) 4 mins ago 1 21.000 30,000,000 > BASE FEE O BDAG > > > > > |
| Add BDAG Network 😹 BlockDAG: \$0.0192 | BLOCK HASH AGE TX COUNT GAS USED GAS LIMIT #43332 0x16b04183 5 mins ago 1 21,000 30,000,000 BASE FEE 0 BDAG - - - - |

3.2. Specific Block Details

The selected block details page contains the following information fields:

| BlockDAG « | DETAILS | |
|--------------------------------------|--|--|
| 🛆 Home > | CURRENT DEPTH | |
| Blocks > S Transaction | BASE FEE 0.00000000000147 BDAG | |
| (⊘) Faucet > | BLOCK HASH Oxf8bdb10aade8acfacf60e73330869f7b83d90f1ba0ff89281537f99463766e8d 🗗 | |
| | TOTAL DIFFICULTY 43333 | |
| Add BDAG Network | AGE 7 mins ago (2024-09-27 15:22:36) | |
| BlockDAG: \$0.0192 | TRANSACTIONS | |

| Fields | Description |
|--------------|---|
| Current Path | Displays the breadcrumb navigation showing the path of the user on the platform. It helps the user understand where they are within the BlockDAG explorer, indicating the location of the specific block being viewed |



| Base Fee | Refers to the minimum amount of gas required per unit of work in the block. This value adjusts dynamically based on the network congestion and determines the minimum amount of transaction fees required to include transactions in the block. |
|------------------|---|
| Block Hash | A unique identifier (hash) for the block, generated through cryptographic algorithms. It serves as the block's fingerprint and ensures the block's immutability. Each block's hash is linked to the next block in the chain, ensuring the security of the blockchain. |
| Total Difficulty | Represents the cumulative difficulty of all the blocks in the blockchain up to and including the current block. This metric reflects the total effort or work that has been put into validating the blockchain, a measure to prevent tampering. |
| Age | Indicates how much time has passed since the block was mined. It's usually displayed in minutes, hours, or days ago. This helps users understand how recent the block is. |
| Transactions | Shows the total number of transactions that were included and processed in the block. Users can click on this section to view details of each individual transaction, such as sender, receiver, and transaction amount. |
| Size | Refers to the total size of the block in bytes. This measures how much data is packed into the block, including transaction data, headers, and other metadata. |
| Gas Used | This shows the amount of gas that was actually consumed by the transactions within the block. Gas is a unit that represents computational effort in executing transactions, contracts, and other operations |
| Gas Limit | Indicates the maximum amount of gas that the block can utilize. It sets a cap on the total computational work that can be done by the transactions within that block. The gas limit prevents oversized blocks from being processed. |
| Difficulty | This value represents how difficult it was to mine this particular block. A higher difficulty means more computational power was required to solve the cryptographic puzzle and add the block to the blockchain. |
| Parent Hash | The hash of the previous block (parent block) in the blockchain. This field ensures the integrity of the chain, linking the current block to its predecessor and forming the unbreakable chain of blocks. |
| Receipts Roots | Refers to the Merkle root of the receipts tree. This tree holds the receipts of all transactions included in the block. It's a summary that allows for efficient and secure verification of transactions within the block without needing to store all data. |



4. Transactions: Monitoring the Flow

The **Transaction** page in the BlockDAG Explorer offers users a real-time view of all the transactions happening on the network. This section acts as a key monitoring tool for tracking the flow of assets and operations between addresses. Whether you're an investor, developer, or someone interested in the movement of BDAG tokens, the Transaction page provides an intuitive interface to explore transaction data. Users can review essential information such as transaction IDs, block numbers, transaction methods, and fees, helping them understand the movement and activity within the network.

This section is especially useful for analyzing network congestion, transaction fees, and token transfers, making it a powerful tool for both casual users and blockchain professionals alike.

| BlockDAG | « | TOTAL OF 25450 TRAN | SACTIONS | | | | |
|--------------------------------------|----|---------------------------|-----------------------------|-------------------------------|--------------------|----------------------|---|
| 🛆 Home | | TXN HASH Ox1114dcb5 | <mark>вlock</mark> 30061 | METHOD Transfer | AGE 32 secs ago | FROM 0x41008967 🗂 | |
| Blocks | > | TO 0x471d975d | AMOUNT 9 BDAG | TXN FEE 0.00004 BDA | AG | | |
| () Faucet | > | TXN HASH 0x98715c91 🗇 | вlock 30060 | METHOD Transfer | AGE 46 secs ago | FROM 0x41008967 🗗 | |
| | | TO Ox471d975d 🗇 | AMOUNT 10 BDAG | TXN FEE 0.00004 BDA | AG | | |
| | | TXN HASH | вlock 30059 | METHOD Transfer | AGE 58 secs ago | FROM 0x41008967 m | |
| | | TO 0x471d975d 🗇 | AMOUNT 10 BDAG | TXN FEE 0.00004 BD4 | AG | | > |
| Add BDAG Network BlockDAG: \$0.01 | 92 | | BLOCK | METHOD | AGE | FROM | |

The transaction section contains the following field details:

| Fields | Description |
|-----------------------------------|--|
| TXN HASH (Transaction Hash) | The Transaction Hash is a unique identifier for each transaction on the BlockDAG network. This hash is a cryptographic string that represents the transaction and allows users to track its details. In the screenshot, hashes like 0x1114dcb5 are displayed for each transaction, and users can click or copy these to explore further information about the transaction. |



| Block | This field shows the block number in which the transaction was included. Each block contains multiple transactions, and this number helps users pinpoint exactly where in the blockchain the transaction took place. For example, transaction hash 0x1114dcb5 was included in block #30061 . |
|---------------------------------|--|
| Method | The Method represents the type of transaction that was executed. In the screenshot, the method is Transfer, which indicates that the transaction involved transferring BDAG tokens from one address to another. |
| то | This field shows the recipient address of the transaction. It displays the address where the BDAG tokens were sent. The address is generally shown in abbreviated form (e.g., 0x471d975d) to simplify viewing, but users can click to view the full address or copy it for further analysis. |
| Amount | This represents the total number of BDAG tokens that were transferred in the transaction. In the screenshot, values like 9 BDAG or 10 BDAG indicate the token quantity sent from the sender to the recipient. This helps users track the volume of assets moved between addresses. |
| TXN Fee (Transaction Fee) | The Transaction Fee is the cost paid for processing the transaction on the network. It is deducted from the sender's account and is expressed in BDAG tokens. For example, in the screenshot, the transaction fee is 0.00004 BDAG , which was required for processing each transfer. |
| Age | This field shows how long ago the transaction was confirmed. It is generally displayed in seconds or minutes (e.g., 32 seconds ago, 58 seconds ago), allowing users to see the recentness of the transaction. |
| From | The From field shows the sender's address that initiated the transaction. It represents the account from which the BDAG tokens were transferred. As with the recipient address, the sender's address is abbreviated (e.g., 0x41008967), but users can click on it to view the full address or copy it. |

4.1. View the Selected Transaction Details

An arrow button next to each transaction entry at the transaction page. Clicking on this arrow will redirect you to the Transaction page, where you can view more detailed information about the selected transaction.



| BlockDAG | « | TOTAL OF 38885 TRANS | SACTIONS | | | | |
|------------------|--------|---|---------------------------------------|---|-------------------|----------------------|---|
| Home | > > | TXN HASH Oxd7dfc366 7 TO Oxfd0bd19b 7 | BLOCK 43370 AMOUNT 10 BDAG | METHOD Transfer TXN FEE 0.00005 BDAG | AGE 5 mins ago | FROM 0x41008967 🗗 | , |
| © Faucet | > | TXN HASH Oxbbc95592 To Ox469e6c99 | BLOCK 43369 Amount 9.99 BDAG | METHOD Transfer TXN FEE 0.00005 BDAG | AGE 5 mins ago | FROM 0x41008967 🗗 | > |
| Add BDAG Network | M | TXN HASH Ox676a51e3 T TO Ox469e6c99 T | BLOCK 43368 AMOUNT 10 BDAG | METHOD Transfer TXN FEE 0.00005 BDAG | AGE 6 mins ago | FROM 0x41008967 🍙 | > |
| BlockDAG: \$0.01 | 92 | | | | | EROM | |

4.2. Specific Transaction Details

The selected transaction details page contains the following information fields:

| BlockDAG | TRANSACTION DETAILS |
|---|--|
| Home > | BLOCK NUMBER 43370 🖻 |
| Blocks > Transaction > | STATUS Success V |
| ⊘ Faucet > | TIME 10 mins ago (2024-09-27 15:37:25) |
| | FROM 0x410344ab6f949cd9f9013c52d1e59932f0f08967 |
| Add BDAG Network | T0 0xfd0093fa596ca3d702dbf05a5c512b79e9ebd19b |
| BlockDAG: \$0.0192 | VALUE |

| Fields | Description |
|--------------|---|
| Block Number | The number of the block in which the transaction was included. This indicates the position of |



| | the block in the blockchain, helping users identify where in the blockchain the transaction was confirmed. |
|-----------------|---|
| Status | The result of the transaction, which generally shows either "Success" or "Failure." A successful status indicates the transaction was processed and included in a block, while a failure status signifies that the transaction didn't complete successfully, often due to issues like insufficient gas or smart contract errors. |
| Time | The timestamp of when the transaction was processed and included in the block. This is displayed as the exact date and time (or relative time such as "5 minutes ago") when the transaction was confirmed on the network. |
| From | The address of the sender or initiator of the transaction. This is the wallet or account that initiated the transaction by sending tokens, interacting with a contract, or performing some other operation on the blockchain. |
| То | The address of the recipient. This can either be a regular wallet address or a smart contract address. In the case of contract interactions, the address may represent the contract being called rather than a personal wallet. |
| Value | The amount of cryptocurrency transferred in the transaction. This is often represented in the blockchain's native currency (e.g., ETH for Ethereum, BDAG for BlockDAG), showing the total funds transferred from the sender to the recipient. |
| Transaction Fee | The total fee paid for processing the transaction, which is the amount of gas used multiplied by the gas price. It reflects the cost of computational power required to execute and validate the transaction. |
| Gas Price | The amount the sender is willing to pay per unit of gas, generally denominated in the smallest unit of the network's cryptocurrency (e.g., Gwei for Ethereum, BDAG units for BlockDAG). This value is set by the user to determine how quickly the transaction should be processed — higher gas prices result in faster transaction processing. |



5. Faucet: Get Test Tokens for Exploration

Exploring a network is no fun without a little interaction, and that's where the **Faucet** comes into play. The Faucet allows users to receive a small amount of BlockDAG's testnet tokens, perfect for experimenting or developing within the network.

The **Faucet** page in the BlockDAG Explorer is an essential tool for developers and testers who need to conduct transactions and interact with smart contracts without using real tokens. The BlockDAG Faucet provides a simple and user-friendly interface for requesting small amounts of BDAG, enabling users to test their operations on the testnet. This ensures that developers can validate their blockchain interactions in a risk-free environment.

5.1. Faucet: Sending the BDAG Tokens

Step 1: Enter Wallet Address (Input Field)

This field allows the user to input their wallet address where the test BDAG tokens will be sent. You must enter a valid wallet address, ensuring it is compatible with the BlockDAG network. The address is where the requested tokens will be transferred.

| BlockDAG « | FAUCET | | | | |
|--|--------------------|-------------------------|---------------------|--------------------|--------------|
| ☐ Home → ⑦ Blocks → | ि :a7ba536eef53166 | c76243bd79951308a2164ec | 27 (S) Enter Amour | | Send me BDAG |
| (§) Transaction > | TOTAL OF 9356 TRAN | SACTIONS | | | |
| in the second se | OxOd5912d3 | ADDRESS Oxa7b4ec27 🗗 | AMOUNT 10 BDAG | AGE 38 mins ago | > |
| | Ox98c26d8e | ADDRESS 0x008601af 🗂 | AMOUNT 0.12 BDAG | AGE 38 mins ago | |
| Add BDAG Network | Ox37cca084 | ADDRESS Oxa7b4ec27 🗇 | AMOUNT 10 BDAG | AGE 38 mins ago | |
| BlockDAG: \$0.0192 | Ox95a62aa7 | ADDRESS Oxa8bad10f | AMOUNT 10 BDAG | AGE 38 mins ago | > |



Step 2: Enter Amount (Input Field)

In this field, users specify the amount of BDAG tokens they wish to receive from the faucet. While the faucet generally provides a small amount of tokens per request, users can enter the amount they need for testing purposes.

| BlockDAG | | BlockDAG | 6 Explore | (Testnet Beta | 1) | |
|--|---|----------------------|-------------------------|---------------------|--------------------|--------------|
| 🛆 Home | | EVM 🗸 Search | by Address / Txn Hash / | Block | Q | |
| D Blocks | | | | | | |
| (\$) Transaction | | FAUCET | | | | |
| S Faucet | > | D 0xa7ba536eef53166 | c76243bd79951308a2164e | s (§ 0.12 | | Send me BDAG |
| | | TOTAL OF 9356 TRANSA | CTIONS | | | |
| | | OxOd5912d3 | ADDRESS Oxa7b4ec27 🗂 | AMOUNT 10 BDAG | AGE 39 mins ago | > |
| Add BDAG Network BlockDAG: \$0.0192 | | Ox98c26d8e | ADDRESS OxOO8601af | AMOUNT 0.12 BDAG | AGE 39 mins ago | |

Step 3: Send me BDAG (Button)

Once the user has entered their wallet address and the desired amount, clicking this button submits the request to the faucet. The faucet then processes the request and sends the test tokens to the provided address.



| BlockDAG | BlockDAG Explorer (Testnet Beta 1) | |
|------------------|---|--------------------|
| 🛆 Home > | EVM 🗸 Search by Address / Txn Hash / Block | a |
| 🗇 Blocks > | | |
| S Transaction → | FAUCET | |
| Faucet > | D 0xa7ba536eef53166c76243bd79951308a2164e Image: Control in the second se | Send me BDAG |
| | TOTAL OF 9356 TRANSACTIONS | |
| | TRANSACTION ID ADDRESS AMOUNT 0x0d5912d3 0xa7b4ec27 10 BDAG | AGE > |
| Add BDAG Network | TRANSACTION ID ADDRESS AMOUNT 0x98c26d8e 0x008601af 0.12 BDAG | AGE 39 mins ago |

On successful transaction, you will be notified by the pop-up at the top-right corner.

| BlockDAG | BlockDAG Explorer (Testnet Beta 1) | Transaction successful |
|------------------|---|------------------------|
| 🔓 Home > | EVM V Search by Address / Txn Hash / Block Q | |
| 🗇 Blocks > | | |
| S Transaction > | FAUCET | |
| | Enter Wallet Address S Enter Amount | Send me BDAG |
| | TOTAL OF 9409 TRANSACTIONS | |
| | TRANSACTION ID ADDRESS AMOUNT AGE 0x168c4190 0 0xfd0bd19b 10 BDAG 30 secs ago | |
| Add BDAG Network | TRANSACTION ID ADDRESS AMOUNT AGE 0x83cecc4c 0x7d21409b 10 BDAG 37 secs ago | > |

5.2. Recent Transaction List

This section provides an overview of all recent faucet transactions, showing the details of the token disbursements from the faucet. Each transaction is logged and displayed for transparency and tracking.



| BlockDAG | | FAUCET | | | | |
|--------------------|---|--------------------------------|-------------------------|---------------------|-------------------|--------------|
| 🖨 Home | | Enter Wallet Address | | S Enter Amount | | Send me BDAG |
| Blocks | | | | | | |
| (\$) Transaction | > | TOTAL OF 9411 TRANSA | CTIONS | | | |
| Faucet | | TRANSACTION ID Oxea8836ef 🗇 | ADDRESS Ox7d21409b | AMOUNT 10 BDAG | AGE 5 mins ago | |
| | | Ox21fd64f2 | ADDRESS Oxa7b4ec27 🗇 | AMOUNT 0.12 BDAG | AGE 5 mins ago | > |
| Add BDAG Network | | TRANSACTION ID 0x168c4190 | ADDRESS OxfdObd19b | AMOUNT 10 BDAG | AGE 5 mins ago | > |
| BlockDAG: \$0.0192 | | TRANSACTION ID Ox83cecc4c | ADDRESS 0x7d21409b つ | AMOUNT 10 BDAG | AGE 5 mins ago | > |

| Fields | Description |
|----------------------------|---|
| Transaction ID (TXN ID) | The Transaction ID is a unique identifier for each transaction where tokens were disbursed via the faucet. This cryptographic string allows users to track and verify the transaction. The transaction ID is truncated for display but can be expanded or copied for further inspection. |
| Address | This field displays the recipient's wallet address where the faucet sent the test BDAG tokens. It shows the destination address that received the tokens, and it is displayed in an abbreviated format for clarity. |
| Amount | The Amount field indicates the number of BDAG tokens sent to the address. This value reflects how much was transferred during each faucet transaction. In the screenshot, the faucet is sending 10 BDAG tokens per transaction. |
| Age | This field shows how recently the transaction was completed. The Age of the transaction is generally displayed in seconds or minutes , providing real-time visibility into when the tokens were sent. For example, transactions in the screenshot show they occurred 18 seconds ago or 36 seconds ago. |

View More Details of Recent Transaction

An arrow button next to each recent transaction entry at the faucet page. Clicking on this arrow will redirect you to the **Transaction** page, where you can view more detailed information about the selected transaction - refer to section 4.2.

BlockDAG

| BlockDAG « | FAUCET | | | | |
|--------------------|---|--------------------------|-------------------|-------------------|--------------|
| ☐ Home > | Enter Wallet Addres | | S Enter Amour | | Send me BDAG |
| Blocks > | | | | | |
| S Transaction → | TOTAL OF 15901 TRANS | ACTIONS | | | |
| | TRANSACTION ID Ox63cb67b2 | ADDRESS Oxa8bad10f 🗇 | AMOUNT 10 BDAG | AGE 3 mins ago | • |
| | Ox57189463 | ADDRESS Ox7d5f93e2 🗇 | AMOUNT 10 BDAG | AGE 4 mins ago | > |
| Add BDAG Notwork | Oxe1c800dc | ADDRESS Ox7d5f93e2 | AMOUNT 10 BDAG | AGE 4 mins ago | > |
| BlockDAG: \$0.0192 | Over the steels of the steels | ADDRESS Nv7d5 f93e2 레 | AMOUNT 10 RDAG | AGE 4 mins ago | |



6. MetaMask Integration

Connecting your MetaMask wallet to BlockDAG Explorer is essential for users who want to efficiently interact with the BlockDAG network. This connection enables secure transactions, allowing users to manage their digital assets with confidence, knowing they retain full control over their private keys.

For example, if a user holds BDAG tokens, connecting their MetaMask wallet enables them to view their BDAG token balance, execute trades, or participate in governance proposals related to the BlockDAG network.

Clicking the "**Add BDAG Network**" button, you can seamlessly connect to the BlockDAG network and start interacting with the blockchain.



But before connecting, you'll need to set up your MetaMask wallet. Here's how to do it:



6.1. Installing MetaMask Wallet

Step 1: Open **Chrome**, **Firefox**, or **Brave** (MetaMask supports these browsers) and navigate to the official MetaMask <u>webpage</u>.

NOTE: In this guide, we are using Chrome browser for the demonstration.

| Ownload MetaMask: The Pre × + | Image: A set of the set of the |
|--|---|
| ← → C 25 metamask.io/download/ | ☞☆ ⓒ 끄 ◎ : |
| M Inbox (388) - kam 🙆 New Google Cloud 🙆 Google Cloud Skill 🗅 begawn 🚼 Hour Sheet (intern 🏐 chatgpt 🚳 Upwork 🗅 FZM 🗅 |] TouchBasePro 🗅 Fungies.io 🗋 All Bookmarks |
| Watch your crypto grow with Pooled Staking. Stake your crypto and earn rewards for securing the Et | hereum network. → X |
| | |

Step 2: Select your browser or operating system (OS), then click the "Install MetaMask for Chrome" button.



Step 3: You will be redirected to the Chrome Web Store. Click the 'Add to Chrome' button.



| 😹 MetaMask - Chrome Web Sto 🗙 🕇 | | | | ~ |
|--|--|---|-----|--------------|
| ← → C C chromewebstore.google.com/d | tail/metamask/nkbihfbeogaeaoehlefnkodbefgpgknn?utm_source=metamask.io&pli=1 | G | Ď | M : |
| M Inbox (388) - kam 🙆 New Google Cloud 🙆 Goo | jle Cloud Skill 🗅 begawn 🚦 Hour Sheet (intern 🐵 chatgpt 💿 Upwork 🗀 FZM 🗅 TouchBasePro 🗅 Fungies.io | | 🗅 A | II Bookmarks |
| chrome web store | Q Search extensions and themes | : | | M |
| Discover Extensions Themes | | | | |
| 💓 MetaMa | Add to Chrome | | | |
| 🥝 metamask.io 🛛 3.0 ★ | (4.5K ratings) | | | |
| Extension Workflow & F | anning 16,000,000 users | | | |
| | | | | |
| | | | | |
| | | | | |

Step 4: Click on "Add extension" to grant the required permissions.

| Extension | Workflow & Planning | 16,000,000 users | | |
|-----------|---------------------|------------------|---|----------------|
| | | 1 | Add 'MetaMask'? | |
| | | It can: | | |
| | | Read a | nd change all your data on all websites | |
| | | Display | y notifications | |
| | | Modify | data that you copy and paste | and the second |
| | | | Cancel Add extension | |
| | < | | | |

You have now successfully installed the MetaMask wallet in your browser.

| 😹 MetaMask - Chrome Web Sto 🗙 🕂 | | | ~ |
|--|---|-----------------------------|-----------------|
| ← → C 😁 chromewebstore.google.com/detail/metamask/nkbihfbeogae | aoehlefnkodbefgpgknn?utm_source=metamask.io&pli=1 | ☆ 🕱 | : [1] 1 1 1 1 1 |
| M Inbox (388) - kam 🙆 New Google Cloud 🙆 Google Cloud Skill 🗀 begawn | 🚹 Hour Sheet (intern 🛞 chatgpt 😡 Upwork 🗀 FZM | 🗅 TouchBasePro 🗋 Fungies.io | 🗀 All Bookmarks |
| achrome web store | Q Search extensions and themes | | : ::: М |
| Discover Extensions Themes | | | |
| MetaMask | | Remove from Chrome | |
| Ø metamask.io 3.0 ★ (4.5K ratings) | | | |
| Extension Workflow & Planning 16,000,000 users | | | |

6.2. Setting Up Your MetaMask Wallet

Step 1: After installing the MetaMask wallet extension, click on the **MetaMask icon** to start setting up your wallet.



| S BlockDAG Explorer × | + | × |
|--|--|------------------------------|
| \leftrightarrow \rightarrow C 🎧 😴 bdagscan.com | | * 🎽 🖸 💽 🗄 |
| BlockDAG « | BlockDAG Explorer (Testnet Beta 1) | |
| ☐ Home > | EVM V Search by Address / Txn Hash / Block | a |
| D Blocks > | | |
| S Transaction → | DASHBOARD SUMMARY | |
| | ⑤ BLOCKDAG PRICE ⑦ TOTAL BLOCK | BLOCKDAG TRANSACTION HISTORY |

Step 2: You will be redirected to the MetaMask wallet setup page.

- Tick the checkbox to agree to the terms & conditions.
- You will be presented with two options:
 - a. **Import an existing wallet:** If you already have a MetaMask wallet, click the "**Import an existing wallet**" button and use your recovery phrase to restore it.
 - b. Create a new wallet: If you're new to MetaMask, select the "Create a new wallet" option to set up a brand-new wallet.



Step 3: Tick the checkbox and click the "I agree" button.



| | Help us improve MetaMask |
|----------------|---|
| W4 M4 | e'd like to gather basic usage and diagnostics data to improve etaMask. Know that we never sell the data you provide here. |
| Le | arn how we protect your privacy while collecting usage data for your ofile. |
| w | hen we gather metrics, it will always be |
| (iii | Private: clicks and views on the app are stored, but other details ke your public address) are not. |
| | General: we temporarily use your IP address to detect a general cation (like your country or region), but it's never stored. |
| via | Optional: you decide if you want to share or delete your usage data a 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 ou op | y'll let you know if we decide to use this data for other purposes. You can review r Privacy Policy for more information. Remember, you can go to settings and t out at any time. |
| op | t out at any time. No thanks I agree |

Step 4: Create your new password and confirm it by entering it again in the provided fields. Then, tick the **checkbox** to agree to the terms, and click the "**Create a new wallet**" button to proceed.

| New password (8 characters min) | Show |
|--|------------------------|
| | |
| Prossword strength: Weak A strong password can improve the security wellet should your device be stolen or comp Confirm password | r of your promised. |
| I understand that MetaMask recover this password for me | k cannot e. Learn |

Step 5: Click the "**Secure my wallet (recommended)**" button. This will display your secret recovery phrase, which you should keep safe.

NOTE I: Your Secret Recovery Phrase is a 12-word phrase that is the "master key" to your wallet and your funds. Write down and store in multiple secret places, and store in a safe deposit box. Never, ever share your Secret Recovery Phrase, not even with MetaMask!



NOTE II: If someone asks for your recovery phrase they are likely trying to scam you and steal your wallet funds.



Step 6: Write down your secret recovery phrase in a secure location, and then click the "**Next**" button.



| S BlockDAG Explorer X 🙀 MetaMas | x + | |
|--|--|---------|
| \leftrightarrow \rightarrow C \bigcirc MetaMask chrome-extension://n | bihfbeogaeaoehlefnkodbefgpgknn/home.html#onboarding/review-recovery-phrase | * 🔰 🖸 🕄 |
| | <image/> <text><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></text> | |

Step 7: Confirm your secret recovery phrase by entering it in the provided fields, then click the **"Confirm"** button.



| | SlockDAG Explorer | × 💓 MetaMask | x + | | | • |
|----------------------------|-------------------|-----------------------------|---|---|-----------|---|
| $\leftarrow \rightarrow $ | C බ ව MetaMask | chrome-extension://nkbihfbe | ogaeaoehlefnkodbefgpgknn/home.html#onboarding/confirm-recovery-phrase | | \$ 📁 🗎 | : |
| | | 🐹 METAMASK | English | ~ | | |
| | | | | | | |
| | | | 2 Create possword Secure wallet Confirm secret | | | |
| | | | Confirm Secret Recovery Phrase | | | |
| | | | Confirm Secret Recovery Phrase | | | |
| | | | key hidden | | | |
| | | | Confirm | | | |

You have now successfully created your MetaMask wallet. Click the "Got it" button to continue.

BlockDAG

| | 0 | Block | DAG Explorer | × | 💓 MetaMask | × + | | | | | • |
|--------------------------|---|-------|--------------|--------|------------------|--|-----------|---|---|---|---|
| $\leftarrow \rightarrow$ | C | ଲ | D MetaMask | chrome | -extension://nkt | ihfbeogaeaoehlefnkodbefgpgknn/home.html#onboarding/completion | | ☆ | Ð | 0 | : |
| < → | C | | 2 MetaMask | ehrome | METAMAS | Introegaeaoehlefnkoabbetgpgknn/home.html#onboarding/completion | inglish V | * | Ð | 0 | |
| | | | | | | Follow us on Twitter 🐭 | | | | | |

6.3. Connecting MetaMask to the BlockDAG Network

Step 1: Click the "Add BDAG Network" button on the BlockDAG Explorer page

| BlockDAG | | BlockDAG E | xplorer (Testnet Beta 1) | |
|--------------------------|--------|----------------------------|---------------------------|--|
| Home | > | EVM 🗸 Search by Ad | ldress / Txn Hash / Block | |
| Blocks S Transaction | > > | DASHBOARD SUMMARY | | |
| ⓒ Faucet | | BLOCKDAG PRICE \$0.0192 | TOTAL BLOCK 46873 | BLOCKDAG TRANSACTION HISTORY \$ 60905.22 |
| | | LAST SAFE BLOCK 46873 | TOTAL TRANSACTIONS 53915 | 12,000 10,000 8,000 6,000 4,000 2,000 0 0 0 0 0 0 0 0 0 0 0 0 |
| Add BDAG Network | M | | | |
| BlockDAG: \$0.019 | 2 | | | |



Step 2: The MetaMask wallet will appear on your screen. Click the "**Approve**" button to allow the connection to the BlockDAG network.



Step 3: Click the "Switch Network" button to grant permission to change the network.

| BlockDAG Explore | ir 3 | × + | | ••• | MetaMask |
|--------------------|---------------------------|--|---------------------------|------------------------------|-----------------------------|
| ← → C ∩ the bdag | | Ethereum Mainnet | | | |
| BlockDAG | Allow This will switch | Allow this site to switch the network? This will switch the selected network within MetaMask to a previously added network: | | | |
| Home | > | EVM 🗸 Search by Ad | ddress / Txn Hash / Block | <u>a</u> | в |
| 🗇 Blocks | | | | Ether Main | eum BlockDAG net Testnet |
| S Transaction | | DASHBOARD SUMMARY | | | |
| ∕ලා Faucet | | S BLOCKDAG PRICE \$0.0192 | TOTAL BLOCK 46873 | 12,00 | |
| | | LAST SAFE BLOCK 46873 | TOTAL TRANSACTIONS 53915 | 8,00 8,00 4,00 2,00 | |
| Add BDAG Network | × | SUMMARY | | | \mathbf{h} |
| BlockDAG: \$0.0192 | | | TTANEARTIANE | Car | switch network |

You have now connected your MetaMask wallet to the BlockDAG network.



| O BlockDAG Explorer | × + | | | |
|---|----------------------------|-----------------------------|---|---------|
| \leftrightarrow \rightarrow C \textcircled{a} $\stackrel{\bullet\bullet}{\Rightarrow}$ bdagscan.com | | | * | Ð : |
| BlockDAG « | | | B ✓ Cx183Efa64Ac ₽ C. : | |
| | DASHBOARD SUMMARY | | 0 BDAG | |
| Home > | S BLOCKDAG PRICE | TOTAL BLOCK | +\$0.00 (+0.00%) | τv |
| 🗇 Blocks > | \$0.0192 | 46873 | 2 2 8 6 2 | |
| S Transaction > | | | Buy & Sell Send Swap Bridge Portfolio | |
| | O LAST SAFE BLOCK 46873 | TOTAL TRANSACTIONS 53915 | Tokens NFTs Activity | |
| | | | + Receive tokens | Sun Mon |
| | SUMMARY | | + Import tokens | |
| | LATEST BLOCKS | ACTIONS | ⊖ Refresh list | |
| Add BDAG Network | BLOCK HASH | AGE TX COUNT | MetaMask support GAS USED GAS LIMIT | |
| | #46873 Oxadcac260 🗇 | 260 🗇 6 hr ago 1 | 21,000 30,000,000 | |
| BIOCKDAG: \$0.0192 | BASE FEE | | | |