MATRIX AI NETWORK BLOCKCHAIN BROWSER Guide

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Version: 1.1

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0. Forword

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1. Introduction

The MATRIX blockchain browser is a simple search tool. By entering a wallet address or transaction hash, the user can view and query a wallet's balance and other transaction details. For example, the user can view a transaction's fees, how much was transferred, what balance remains, when the transfer occurred, etc. This document aims to provide a detailed description of the use and functions of the MATRIX Blockchain Browser to make the user experience as convenient as possible.

2. Home Page

សៅ MATRIX	. Home I	BlockChain v I Stats v	AI ⁻ Server ~	Community
	AN OPEN SOURCE BLOCKCHA 1. Search by Address / Txhas	PUBLIC INTELLIGENT IN PLATFORM		
2. 343,373 I BLOCK HEIGHT	3. 12.14 S	4. 4651235 I transactions	5. 12499 I MAX TPS	
6. tatest Blocks Block 343373 >1 min, 15 seconds ago	View all Mined By MAN.3WckrR7WEUUMtXK 2 tons	7. ELatest Transactions	3382 1 min, 1 AN.2g46btACmYkj 0.0238532110	view all

- 1. Search Bar(Search by Address/ Txhash/ BlockNum): You can query your account information by entering wallet address; you can query transaction details by entering Txhash; you can query the block information including transactions recorded in the block and block generation details by entering BlockNumber.
- 2. BLOCK HEIGHT: Number of blocks mined.
- 3. BLOCK TIME: The average block generation time between the current and original blocks.

- TRANSACTIONS: Number of transactions on network. 4.
- 5. MAX TPS: Maximum transactions per second.
- Latest Blocks: A record of the most recent mined blocks. 6.
- 7. Latest Transactions: A record of the most recent transactions generated on the network.

Home | BlockChain ~ | Stats ~ Al'Server ~

2.1 The Search Bar



2.1.1 Search by Address:

You can query your account information by entering a wallet address.

Account Information		Home Account Information
Master Account balance: 0 (MAN) Staked Assets: 0 (MAN)		
Blocked Account: 0 Locked Account: 0 Address: MAN.YaMnyEHkBFsx9mMKweDFv6qc6PCc MasterNode Ty	Revocable Account: 0 pe: ordinary	Financing Assets: 0
MBN Account balance: 0 (MBN) MBN •		
Blocked Account: 0 Locked Account: 0 Address: MBN.YaMnyEHkBFsx9mMKweDFv6qc6PCz	Revocable Account: 0	Financing Assets: 0
Mined 0 Transactions 0 View Reward		
Transactions Token Transactions		
20 • transactions	From To all	
TxType TxHash Block From	То	Amount Age

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2.1.2 Search by Txhash:

You can query transaction details by entering a transaction's hash (Txhash).

Transaction Information		Home Transaction Information
TxHash:	0x9bb5cdab5d0041f59c12bc1f4211455371aa95dd93a37a91a1ca9408cb7d9dd7	
Block Height:	329816	
TxType:	Rewards to Miners Transaction	
TimeStamp:	2019-05-20 16:05:01 +0800 (3 mins, 37 seconds ago)	
From:	MAN.2nRsUetjWAaYUizRkgBxGETimfUTz	r
To:	MAN.9px6KfKCRv5EXLijh5YhNqKW6Jks	
Value:	0.046875 MAN	
To1:	MAN.BXQNhv57Lq3dFWQfAqba4RKBZvWX	
Value1:	0.046875 MAN	
To2:	MAN.Ru5Ua9JbK8i6UXbSLYyVpyZqLYUf	
Value2:	0.046875 MAN	

2.1.3 Search by BlockNum:

You can query the block information including the transactions recorded in a block by entering a block number.

Block Information	Но	ome Block Information
Height:	<prev 329,123="" next=""></prev>	
TimeStamp:	2019-05-20 13:09:43 +0800 (22 hours, 8 mins ago)	
Transactions:	2 transactions in this Block	
Hash:	0xd7b1c41540e1b14fbf3f24648edc366b5331f30da048bb3631091980b4226b96	
ParentHash:	0x07a0a678e26f054bf6880b462f0a223277c94fc24959529cbe95b29f0fa08e0c	
Mined By:	MAN.BDKJ92k34mUfGgE2iudjY2cDDDnQ	
Difficulty:	10	
Total Difficulty:	202551276KH	
Gas Limit:	1,050,000,000	
Gas Used:	0	
Nonce:	0xddeb7cd3a372e013	

Hash	Current block hash value. A unique value.
ParentHash	Hash value of last block in blockchain.
Mined By	Users can click the address to display the block miner's information.



	A block's difficulty is calculated by the consensus algorithm
Difficulty	and considers the parent block's Block Time and Difficulty.
	Difficulty is applied during mining.
Total	The value that adds up the difficulties of each block from
Difficulty	Block 0.
Cas Limit	Gas limit is to measure the sum of transactions allowed to be
Gas Linnt	packaged in this block.
Cas Used	Gas used is to measure how many transactions are actually
Gas Useu	packaged.
Nonce	A 64-bit hash applied to a block during the mining stage.

2.2 Latest Blocks

You can view a record of the most recent mined blocks.



2.3 Latest Transactions

You can view a record of the most recent transactions generated on the Matrix Al Network.

ໄ ≿ ໂ M Λີ	TRIX		Home I	BlockChain ~ Sta	nts ∽ ∣ AI°Server ∽	Community
		AN	OPEN SOURCE I BLOCKCHAI Search by Address / Tixhash	PUBLIC INTELLIG N PLATFORM /BlockNum	ent	
343, BLOCK F	373 REIGHT	12 BLO	.14 s ^{ck time}	4651235 TRANSACTIONS	1249 MAX TPS	99
Lates Block >1 min, 15 se	t Blocks 343373 cconds ago	Mined By MAN.3 2 txns	view all	Latest Transa TX# 0x4d9c1ea2a9 From MAN.2nRsUetjWA	ICTIONS 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382 1322e3b8382	view all 1 min, 15 seconds ago 3853211009174311 (MAN)
All Transa	actions (Showin	g the last 5	00k records)		1	Home All Transactions
20 • tran TxType TxHa	sactions Ish	Block	From	То	Amount	Age
Øxd988	11d3dc0696f9ed10e5f1	329918	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	41 seconds ago
 Øxdae1 	2fdf2a5d2e4e293c2cdb	329918	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	41 seconds ago
🎻 0x24af	133e4b7fe42560819f2d8	329917	MAN.2nRsUetjWAaYUizRkgBxG	j≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	49 seconds ago
Ø 0xe539	542058cc15c433c1f434f	329917	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	49 seconds ago
Ø 0xc9a0	eb20ce1741967893bce0	329916	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	56 seconds ago
Ø 0xac92	e0671690f0cb2e7b8838	329916	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	56 seconds ago
Ø 0xee96	ee925927ec5c5f2704dc	329915	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	1 min, 5 seconds ago
	d9c3f83316bda5fd32e3	329915	MAN.2nRsUetjWAaYUizRkgBxG	I MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	1 min, 5 seconds ago

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3. Blockchain



All Blocks:

You can view the records of blocks generation.

All Blocks Home All Blo								
20 v B	20 • Blocks							
Height 🔻	Age	txn	Hash	Miner	Leader	Voters		
329974	25 seconds ago	2	0xb2ba12a0a13b66b8b015dfccaf725af	MAN.4EfAXnucaX58dPu37L6qff7WuwfiV	MAN.cV4hMEMck6kdhAWVJVUvV9WDD	13		
329973	27 seconds ago	2	0x2040ab038ad07c742bef427136da6d	MAN.3WckrR7WEUUMtXK87UwTPBxnx	MAN.9zhfwKkqppJ7fsaNMwtrMLcHCvi1	13		
329972	36 seconds ago	2	0x12667c5ab3218d605419d868a2a18d	MAN.3WckrR7WEUUMtXK87UwTPBxnx	MAN.2roS9pK3BVJXyvGBZE39XzRvpBq	13		
329971	46 seconds ago	2	0x464c829471c4d373ac016ce0cf42463	MAN.3WckrR7WEUUMtXK87UwTPBxnx	MAN.2262j8jVuZ5GLg8YhKV2TXnwcno	13		
329970	54 seconds ago	2	0x8bb6d00c173275b6807af1ca758f437	MAN.4C9GVncUrXXYYbTT75HcjsMRipE53	MAN.447uk3fWQcccziXM523TH8RGDdv	13		
329969	1 min, 1 second ago	2	0xfc797001c0adbf2bbc7bd7227d2cacb	MAN.4C9GVncUrXXYYbTT75HcjsMRipE53	MAN.2uwt8SrJD13KfLjF442woocMQQ4yY	13		
329968	1 min, 13 seconds ago	2	0x7b099a4d99016852a3cfd1123120f4a	MAN.3WckrR7WEUUMtXK87UwTPBxnx	MAN.HZgmCxn8C5G41j1SbnwVSNyB5e	13		

All transactions:

You can view a record of all transactions generated on the Matrix Al Network.

All T	All Transactions (Showing the last 500k records)					
20 v transactions						
ТхТур	oe TxHash	Block	From	То	Amount	Age
4	0x02679017cc4b7b0f52acee47	329976	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	33 seconds ago
47	0xc2b59006db715ee14e643ad	329976	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	33 seconds ago
4	0x0735ad156b62a68f03d60aee	329975	MAN.2nRsUetjWAaYUizRkgBxG	I≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	57 seconds ago
4	0x8f69af788d4730012cb89f1a0	329975	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	57 seconds ago
4y	0xfc3520e969bd75fd8288b34d	329974	MAN.2nRsUetjWAaYUizRkgBxG	j≡ MAN.9zhfwKkqppJ7fsaNMwt	0.054945054945054945(MAN)	1 min, 10 seconds ago
4	0x3971dfb864624ddecbac9327	329974	MAN.2nRsUetjWAaYUizRkgBxG	I≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	1 min, 10 seconds ago
4	0x6b80927a902acf234bc9c30d	329973	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9zhfwKkqppJ7fsaNMwt	2.054945054945054945(MAN)	1 min, 12 seconds ago
4	0x9d99839ef4006d9b13ace01e	329973	MAN.2nRsUetjWAaYUizRkgBxG	J≡ MAN.9px6KfKCRv5EXLijh5Yh	0.046875(MAN)	1 min, 12 seconds ago



AI Transactions:

You can view a record of all transactions generated using the AI server.

Al Ti	Al Transactions (Showing the last 500k records)					Home AI Transactions
20	 transactions 					
ТхТур	e TxHash	Block	From	То	Amount	Age
멅	0xecdef0058580099cbdf660af9	288013	MAN.4AVeLqSYjvRZCcdAAv3Tw	MAN.4AVeLqSYjvRZCcdAAv3Tw	0(MAN)	6 days, 7 hours ago
멅	0x1bd0e47801a933eeda10717f	260836	MAN.YKscM4zeXn1MmoMCnJb	MAN.YKscM4zeXn1MmoMCnJb	0(MAN)	10 days, 10 hours ago
먗	0x7a17d7f2ff108bc07f26ceab8	260744	MAN.2KPG2FDmhBR9GfrWabQ	MAN.2KPG2FDmhBR9GfrWabQ	0(MAN)	10 days, 10 hours ago
멅	0xe678d1968787c1abacef75e3	248984	MAN.2Uoz8g8jauMa2mtnwxrsc	MAN.rKE9WCuoq9FmTLPf4B2J	0(MAN)	12 days, 12 hours ago
먗	0x73ca9dabe2c739c3449dc6aa	248969	MAN.rKE9WCuoq9FmTLPf4B2J	MAN.rKE9WCuoq9FmTLPf4B2J	0(MAN)	12 days, 12 hours ago
먗	0x5cff2e8620bdf13cab3cd20db	236238	MAN.2Uoz8g8jauMa2mtnwxrsc	MAN.4XiXUAHtRaSaaW4GocYN	0(MAN)	15 days, 4 hours ago
멅	0x665909d614ae1c01fe85f5bd	236228	MAN.4XiXUAHtRaSaaW4GocYN	MAN.4XiXUAHtRaSaaW4GocYN	0(MAN)	15 days, 4 hours ago
먗	0xa6a3586ad909ef28668bba59	211082	MAN.2ms3u4DwQ23BqkbxKsd	MAN.2ms3u4DwQ23BqkbxKsd	0(MAN)	19 days, 16 hours ago

Authorized Entrusts:

You can view a record of all authorized entrusts, that is, the original address authorized the another address to draw on its wallet's "available assets" to cover gas fees.

Auth	Authorized Entrusts (Showing the last 500k records)					
20	▼ transactions					
ТхТур	e TxHash	Block	From	То	Amount	Age
Z	0xf781869e3e17dea0b512c211	329144	MAN.3ygAdEiWqv9U8pdQxw6T	MAN.3ygAdEiWqv9U8pdQxw6T	0(MAN)	4 hours, 38 mins ago
Z	0x4d46993c7717f084a3b6ce10	325304	MAN.hrScafjwE4NNPsRkGSUXc	MAN.hrScafjwE4NNPsRkGSUXc	0(MAN)	20 hours, 7 mins ago
Ø	0x762ed0c600fdcbcef5799e7d4	324543	MAN.25Rhy8FcNq1hntGXoxwK	MAN.25Rhy8FcNq1hntGXoxwK	0(MAN)	22 hours, 55 mins ago
8	0xa2baf198515b8a4909985230	324524	MAN.2a8svSGAVpTTQqCF9uv2	MAN.2a8svSGAVpTTQqCF9uv2	0(MAN)	22 hours, 57 mins ago
Ø	0xd934530f96c386fbac6085cb8	324506	MAN.BxQNhv57Lq3dFWQfAqb	MAN.BxQNhv57Lq3dFWQfAqb	0(MAN)	22 hours, 59 mins ago
Ø	0xf80acc32aa282a06647095fc9	324488	MAN.2hcyT3MEmqBW3MVx2N	MAN.2hcyT3MEmqBW3MVx2N	0(MAN)	23 hours, 3 mins ago
Ø	0x029bef784b9926db14604cc4	324470	MAN.3WX1VYGbaccWPDHS8FsJ	MAN.3WX1VYGbaccWPDHS8FsJ	0(MAN)	23 hours, 5 mins ago
ľ	0x02feb5ee479def184843e7e1	324454	MAN.4N41fQiaLEwTEXQ5jZ5Qr	MAN.4N41fQiaLEwTEXQ5jZ5Qr	0(MAN)	23 hours, 8 mins ago

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Scheduled Transactions/Revocable Transactions:

You can view all scheduled/revocable transactions details.

Scheduled Transactions (Showing the last 500k records)						Home Scheduled Transactions	
20	▼ transactions						
ТхТур	e TxHash	Block	From	То	Amount	Age	
~	0xbba23ccc12a9b3cd71f69bb2	330228	MAN.3EBReRvoqRUjCDjveC2KC	MAN.3C1Ax2PgAQEFcJzennF36	0.5(MAN)	16 hours, 24 mins ago	
~	0x50001b1ba7058490c343b40	220973	MAN.38uSZjorPYZeTnp5MCiQn	MAN.3TqSnf61F5qto7XiLffKAm	301000(MAN)	18 days, 18 hours ago	
						First Prev Next Last	

Reverted Transactions: You can view all reverted transactions details.

Reverted Transactions (Showing the last 500k records)						Reverted Transactions
20	 transactions 					
ТхТур	e TxHash	Block	From	То	Amount	Age
C	0xb414d4f8fd74c6434b1bde4d	324402	MAN.A7q73pZTayysLHDrtY8tm	MAN.A7q73pZTayysLHDrtY8tm	0(MAN)	23 hours, 45 mins ago
e	0xe14acc5550795a4fcd232c6da	321738	MAN.B1dmKTmWqNfHpv6mKy	MAN.B1dmKTmWqNfHpv6mKy	0(MAN)	1 day, 8 hours ago
C	0x58b38d186c6f42503e5ee736	257950	MAN.3BJkLf9G51GZurC6TgmxL	MAN.3BJkLf9G51GZurC6TgmxL	0(MAN)	11 days, 4 hours ago
đ	0x4319e3e71a5947bb4b82394	241168	MAN.KSpGh8uhw3Fa9B3YkDQ	MAN.KSpGh8uhw3Fa9B3YkDQ	0(MAN)	14 days, 10 hours ago
C	0x715919af5a3f68e936b076af4	236028	MAN.3tJJQYz6e7jqvxQeBZUffTN	MAN.3tJJQYz6e7jqvxQeBZUffTN	0(MAN)	15 days, 7 hours ago
C	0x9c403d5494b5b0298126d55	236019	MAN.3tJJQYz6e7jqvxQeBZUffTN	MAN.3tJJQYz6e7jqvxQeBZUffTN	0(MAN)	15 days, 7 hours ago
C	0x37c6b5f8b599e340c2244edff	220986	MAN.38uSZjorPYZeTnp5MCiQn	MAN.38uSZjorPYZeTnp5MCiQn	0(MAN)	18 days, 2 hours ago

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4. Stats



HashRate Growth Chart:

Hash rate over time.





Block Difficulty Chart: Difficulty of mining over time.



Blocktime Chart:

Block creation time.



Block TPS Chart:

Block TPS over time.







(b) MATRIX



AN OPEN SOURCE PUBLIC INTELLIGENT BLOCKCHAIN PLATFORM

5. Al Server

When a user attaches a picture to a transaction, it is automatically analyzed and processed by the AI Server. The analysis results and transaction information are then displayed in html in the MATRIX Blockchain Browser.

The AI Server supports several processing services including Object Detection, Pose Detection and Medical Diagnosis.

MATRIX	. Home ⊨	Al'Server - Community		
			Object Detection	
	AN OPEN SOURCE	PUBLIC INTELLIGENT	Pose Detection	
	BLOCKCHA	IN PLATFORM	Medical Diagnosis	
	·			
	Search by Address / Txhasi			
343,373 BLOCK HEIGHT	12.14 s I block time	4651235 TRANSACTIONS	12499 MAX TPS	

Object Detection:

The AI Object Detection is designed to detect objects in pictures and provide measures of statistical similarity between multiple objects.



0x7af1fa16d267b3f175ac1ea16747a5d951fa7d333fff14775fa04b4b3172d7c8 Before processing

After Processing

Description: This is a simple AI image processing program.



Pose Detection:

The AI Pose Detection recognizes human posture. This AI service detects and marks different parts of the human body in static, flat pictures.



0x7af1fa16d267b3f175ac1ea16747a5d951fa7d333fff14775fa04b4b3172d7c8 Before processing



0x1f6918126c4f0f138f29814bf6a3bc09571ffd6de8634ee39e613d90620a7bd6 After Processing

Medical Diagnosis:

The Medical Diagnosis utilizes the artificial intelligence technology to analyze CT scans and generates a full report. It should be noted that, currently, only the Alenhanced imaging protocols to detect SCLCs is open to the public.

The rib fracture protocol requires some more testing before the Matrix team releases it publicly.



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