



OWASP

Open Web Application
Security Project

比特币相关的取证技术

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01

相关的理论概念

电子取证

洛卡德交换原理，凡走过必留下痕迹

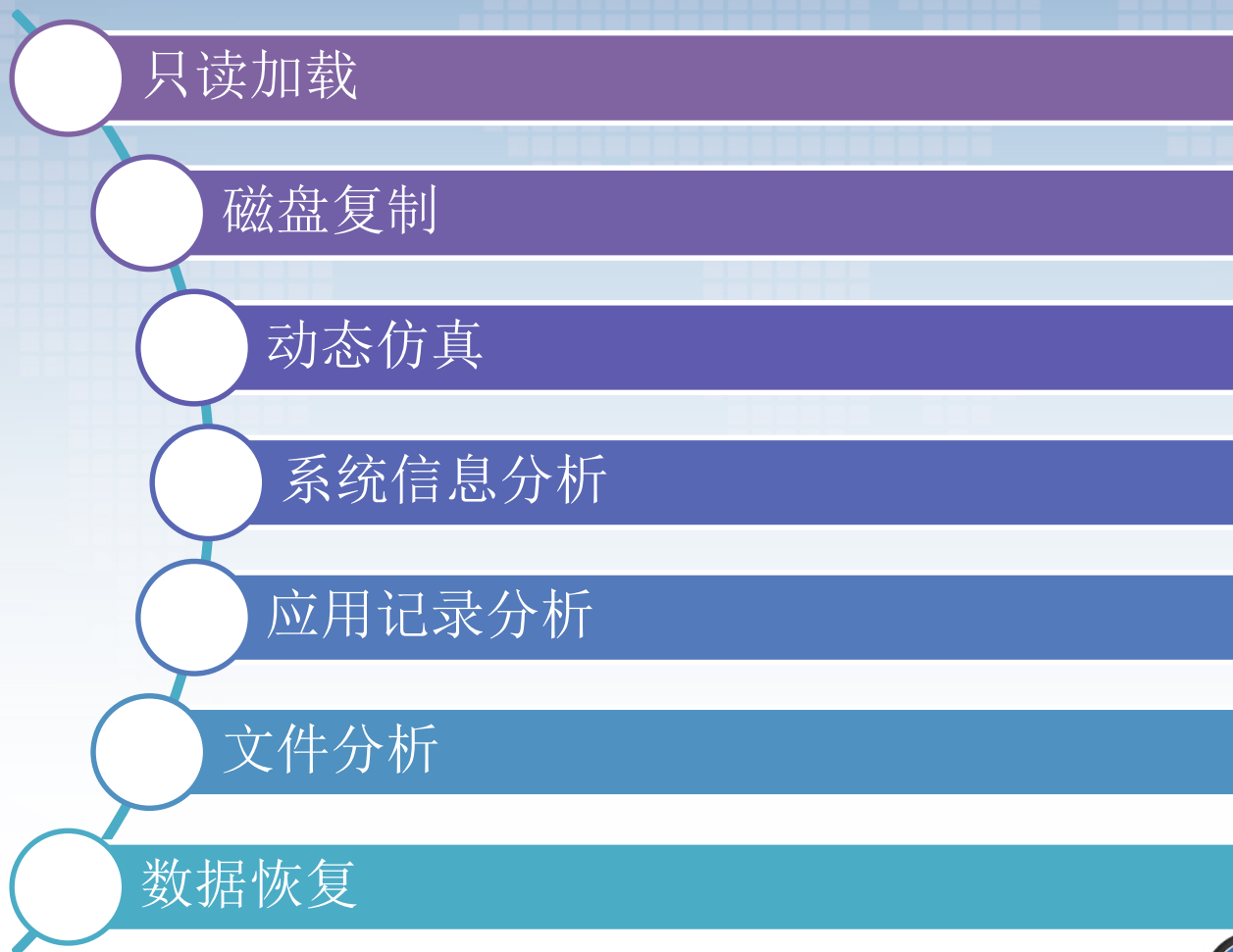


电子取证是指利用计算机软硬件技术，以符合法律规范的方式对计算机入侵、破坏、欺诈、攻击等犯罪行为进行证据获取、保存、分析和出示的过程。

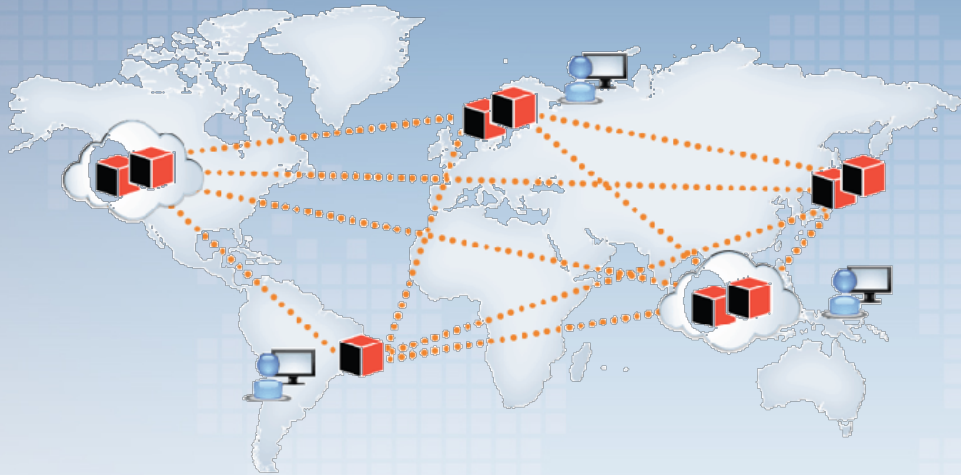
电子取证方法



技术方法



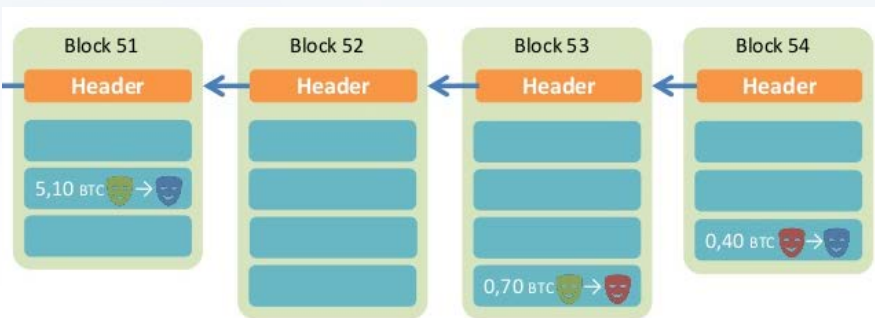
区块链相关



区块链的本质：分布式的数据库

智能合约：是一种旨在以信息化方式传播、验证或执行合同的计算机协议。智能合约允许在没有第三方的情况下进行可信交易，这些交易可追踪且不可逆转

矿工与矿池：矿池要解决的是矿工收入不稳定的问题，它把散落的运算资源整合起来一起挖矿，挖到之后再按照每个矿工的贡献比例分钱下去，概念上就像集资包牌买彩票。



数字钱包：虚拟币所有权是通过数字密钥、地址和数字签名来确立的。数字密钥由用户生成并存储数字钱包中，也称为虚拟币钱包。钱包中包含成对的私钥和公钥。用户用这些私钥来签名交易，公钥用来收款。

区块链架构



02

比特币取证

OWASP全球企业会员

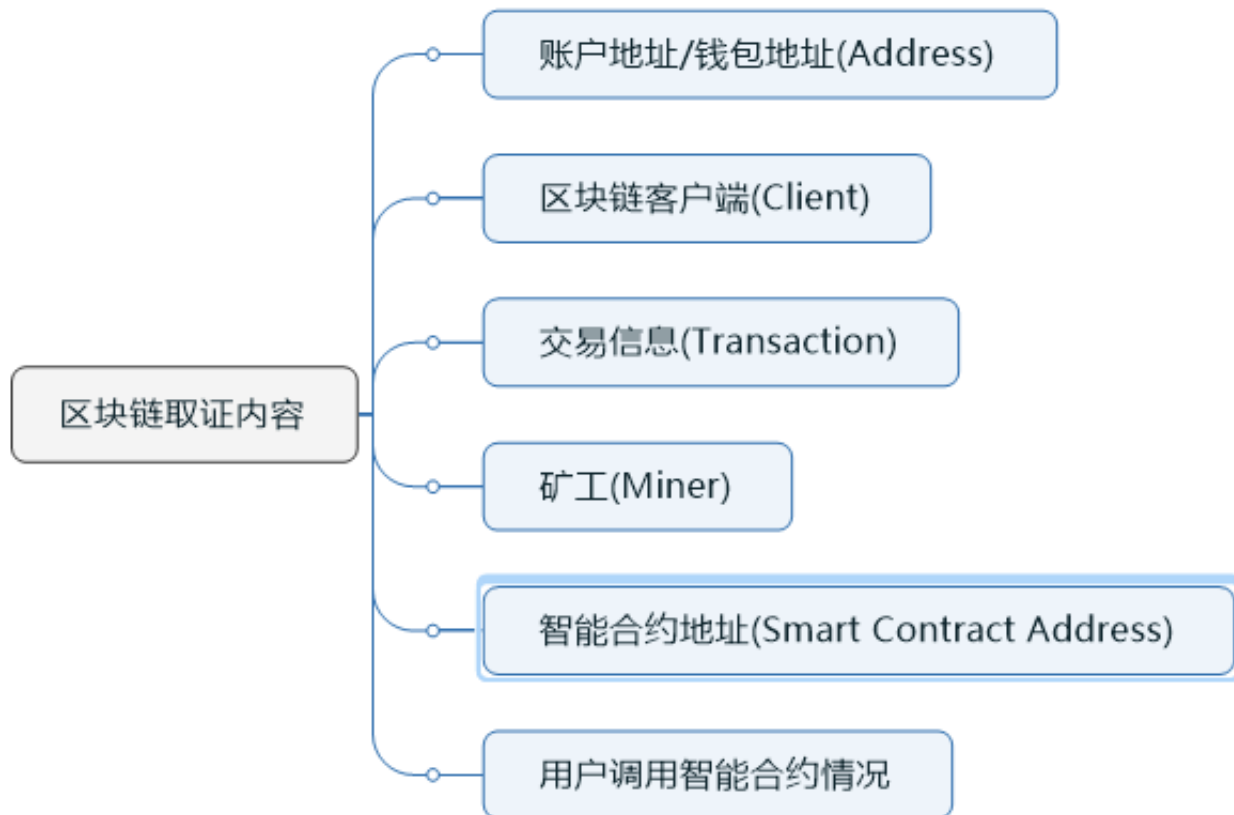


数据公开透明 & 身份隐私保密

记录不可篡改 & 交易无法抵赖

去中心化网络 & 分布式共识

可取证项



钱包转账

钱包(W) 视图(V) 工具(T) 帮助(H)


发送 接收 地址(A) 选币(I)

地址

金额

间

保存 新建



文件(F) 钱包(W) 视图(V) 工具(T) 帮助(H)

历史 发送 接收 选币(I) 地址(A)

输出点	地址	标签	金额	高度
ebed5ec54bd42c1...:0	1PX7KR51fuBAp8C2ByUxMBCK5u8yJJH5Pc		1.60017	0


钱包转账

Address	1PX7KRs1fuBAp8C2ByUxMBCK5u8yJH5Pc 
Balance	0.00160017 BTC / 15.21 USD
Last seen receiving	 an hour ago
Transaction count	1
Output count / Unspent output count	1 / 1

[Click to see more ↓](#)



Other blockchain explorers

 [btc.com](#)

 [bitcoin.com](#)

 [viabtc.com](#)

Transactions involving address

USD BTC

Hash: [ebeed5ec54bd42c1e1202a9f9bb3e24acbe53b7bcc4bd84669e0816e0b6afb71](#)

2019-08-30 00:37

11 confirmations

Senders

  0.00185000 BTC

Recipients

14qbrWutcSx4LYXpoC5hVsXLGozgeQSg4o



1PX7KRs1fuBAp8C2ByUxMBCK5u8yJH5Pc

0.00160017 BTC Unspent

17jCC6JLKUYRrjW9LwkSFtiFLSwgNbHhX

0.00014983 BTC Unspent



OWASP
Open Web Application
Security Project

钱包转账

General info

Address

14qbrWutc5x4LYXpoC5hVsXLGozgeQSg4o

Balance

40.72418053 BTC / 387,111.03 USD



Total received

3,345.61062868 BTC / 28,869,145.77 USD

Total spent

3,304.88644815 BTC / 28,904,156.23 USD



First / last seen receiving

a year ago / 3 hours ago

First / last seen spending

a year ago / 21 minutes ago



Address type

pubkeyhash

Script

OP_DUP OP_HASH160 2a19701ca2bf552515922339052e3fff5a1587d7

OP

Bin

Hex

Transaction count

7,337

Output count / Unspent output count

4,716 / 23

[Hide details](#)

钱包转账

Hash: 73dd347e069059ba4283db855d3b8cde6da7b7122d670dde8391c36237b3ffd2

2019-08-30 01:20

3 confirmations

Senders

← ⓘ 0.08019454 BTC 14qbrWutcSx4LYXpoC5hVsXLGozgeQsG4o

Recipients

1F9UTwu5CycyqkD65JrB9pFfKJ6Ufr2rD9 0.07900000 BTC Unspent
18wYfYp8EejTNNBctq84PM1DRgtsQhLkir 0.00104454 BTC Unspent

Hash: ebeed5ec54bd42c1e1202a9f9bb3e24acbe53b7bcc4bd84669e0816e0b6afb71

2019-08-30 00:37

11 confirmations

Senders

← ⓘ 0.00185000 BTC 14qbrWutcSx4LYXpoC5hVsXLGozgeQsG4o

Recipients

1PX7KR51fuBAp8C2ByUxMBCK5u8yJJH5Pc 0.00160017 BTC Unspent
17jCC6JLKUYRrjW9LwkSFtiFLSwgNbHhX 0.00014983 BTC Unspent

Hash: c5292af2c576baa6b07e1a15632504ae34291658f4e251eff686c61d0035cc88

2019-08-30 00:18

12 confirmations

Contains Omni Layer data

Senders

← ⓘ 0.00000546 BTC 13o8EAFS8rryK2Jb615rx8Qyyme2JLdZuC
← ⓘ 0.00076541 BTC 14qbrWutcSx4LYXpoC5hVsXLGozgeQsG4o

Recipients

1LjgoyPbJqsjh6Wh1NEvz87z1xpR6ymppT 0.00062087 BTC ⓘ →
OP_RETURN d-ceb96441a66d4c038c6c33cffe96c560 0.00000000 BT du 英 ·

注册表

S-1-5-18	\Device\HarddiskVolume4\Python27\python.exe	REG_BINARY	99 47 b9 d7 3d 5c
S-1-5-21-1849600621-3760208	\Device\HarddiskVolume4\Users\L1node\AppData\Local\Google\Chrome\Application\ch...	REG_BINARY	77 8a 55 70 d6 5e
S-1-5-21-1849600621-3760208	\Device\HarddiskVolume4\Users\L1node\AppData\Local\Programs\Fiddler\Fiddler.exe	REG_BINARY	78 5f dd 49 76 5d
S-1-5-90-0-1	\Device\HarddiskVolume4\Users\L1node\AppData\Local\Temp\XLLiveUD\Thunder8_10.1...	REG_BINARY	06 b6 50 b1 35 5c
S-1-5-90-0-10	\Device\HarddiskVolume4\Users\L1node\AppData\Local\WebEx\WebEx\Meetings\atmg...	REG_BINARY	44 7d cf dd 6d 5e
S-1-5-90-0-11	\Device\HarddiskVolume4\Users\L1node\AppData\Roaming\baidu\BaiduNetdisk\baidun...	REG_BINARY	fa 1e 3c 6e 48 5c c
S-1-5-90-0-12	\Device\HarddiskVolume4\Users\L1node\AppData\Roaming\jisupdf\start\JisuWorkCom...	REG_BINARY	2c d6 67 56 d3 5e
S-1-5-90-0-13	\Device\HarddiskVolume4\Users\L1node\Desktop\Tor Browser\Browser\firefox.exe	REG_BINARY	97 35 1b 3c 25 58
S-1-5-90-0-14	\Device\HarddiskVolume4\Users\L1node\Downloads\electrum-3.3.8.exe	REG_BINARY	90 89 6e 92 c6 5e
S-1-5-90-0-15	\Device\HarddiskVolume4\Users\L1node\Downloads\PotPlayerSetup64.exe	REG_BINARY	a1 c6 2a ce d2 5a
S-1-5-90-0-16	\Device\HarddiskVolume4\Users\L1node\Downloads\XunLeiWebSetup10.1.18.500dl.exe	REG_BINARY	2c be 78 84 cd 5a
S-1-5-90-0-17	\Device\HarddiskVolume4\Windows\explorer.exe	REG_BINARY	5a 0a 60 39 bd 5e
S-1-5-90-0-18	\Device\HarddiskVolume4\Windows\py.exe	REG_BINARY	0b 31 bb d7 3d 5c
S-1-5-90-0-19	\Device\HarddiskVolume4\Windows\regedit.exe	REG_BINARY	0a 03 1f dd e0 5e
S-1-5-90-0-2	\Device\HarddiskVolume4\Windows\splwow64.exe	REG_BINARY	f3 b6 f8 a2 4f 5d d
S-1-5-90-0-20	\Device\HarddiskVolume4\Windows\System32\ApplicationFrameHost.exe	REG_BINARY	c4 cf 18 a5 c7 5e d
S-1-5-90-0-21	\Device\HarddiskVolume4\Windows\System32\bdeunlock.exe	REG_BINARY	b1 df f7 5c bd 5e c
S-1-5-90-0-22	\Device\HarddiskVolume4\Windows\System32\cmd.exe	REG_BINARY	76 53 c6 d1 ba 5d
S-1-5-90-0-23	\Device\HarddiskVolume4\Windows\System32\conhost.exe	REG_BINARY	16 d0 c6 b3 e3 5e
S-1-5-90-0-24			
S-1-5-90-0-25			

Pf记录

Process Name	Start Time	End Time	Size	Process Name	Path	Count	Timestamps
DSMAIN.EXE-09F58453.pf	2019/8/30 16:2...	2019/8/30 16:2...	17,992	DSMAIN.EXE	C:\PROGRAM FILES (X86)\360\360Safe\...	1	2019/8/30 16:23:11
ELECTRUM-3.3.8.EXE-A86040E5.pf	2019/8/30 8:04...	2019/8/30 8:05...	67,134	ELECTRUM-3.3.8...	C:\Users\L1node\DOWNLOADS\ELECT...	2	2019/8/30 8:04:56, 2019/8/30 8:04:54
EPG_X64.EXE-3ED20A2F.pf	2019/8/30 15:5...	2019/8/30 15:5...	10,274			1	2019/8/30 15:56:10
EVERYTHING.EXE-D40130C7.pf	2019/7/3 10:11...	2019/8/30 17:0...	30,203			251	2019/8/30 17:07:11, 2019/8/30 17:07:13...
EXCEL.EXE-36952AF2.pf	2019/7/3 14:25...	2019/8/28 11:1...	70,989			74	2019/8/28 11:18:44, 2019/8/28 11:15:06...
EXPLORER.EXE-03C49D11.pf	2019/6/21 9:23...	2019/8/30 17:0...	80,339	EXPLORER.EXE	C:\Windows\explorer.exe	135	2019/8/30 17:06:43, 2019/8/30 15:06:43...
EXPLORER.EXE-82BE1CD3.pf	2019/8/30 17:0...	2019/8/30 17:0...	9,721	EXPLORER.EXE	C:\Windows\SysWOW64\explorer.exe	1	2019/8/30 17:06:43
FIDDLER.EXE-25E70F7B.pf	2019/8/27 8:56...	2019/8/28 14:2...	76,268	FIDDLER.EXE	C:\Users\L1node\AppData\Local\Progr...	4	2019/8/28 14:25:40, 2019/8/27 13:01:57...
FILECOAUTH.EXE-087A1332.pf	2019/8/29 19:0...	2019/8/30 15:5...	9,395			2	2019/8/30 15:55:32, 2019/8/30 8:12:33
FILESMASHER.EXE-DA98C164.pf	2019/8/24 10:2...	2019/8/24 10:2...	17,162			2	2019/8/24 10:23:09, 2019/8/24 10:23:09
FILEVIEWPRO-S-1.9.8.19.EXE-DAC9A96A.pf	2019/8/30 17:0...	2019/8/30 17:0...	6,942			1	2019/8/30 17:06:32
FILEVIEWPRO-S-1.9.8.19.TMP-4511EE19.pf	2019/8/30 17:0...	2019/8/30 17:0...	32,989			1	2019/8/30 17:06:33

Filename	Full Path	Device Path	Index
\$MFT	C:\Windows\Sys...	\VOLUME{01d430fd163da214-2216d8ce}\\$MFT	46
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\AUDIO_MODEM_INIT_.PY	123
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\COLDCARD_INIT_.PY	124
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\COSIGNER_POOL_INIT_.PY	125
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\DIGITALBITBOX_INIT_.PY	126
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\EMAIL_REQUESTS_INIT_.PY	127
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\GREENADDRESS_INSTANT_...	128
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\KEEPKEY_INIT_.PY	129
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\LABELS_INIT_.PY	130
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\LEDGER_INIT_.PY	131
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\REVEALER_INIT_.PY	132
INIT.PY	C:\Users\L1node...	\VOLUME{01d430fd163da214-2216d8ce}\USERS\L1NODE\APPDATA\LOCAL\TEMP_MEI110802\ELECTRUM\PLUGINS\SAFE_INIT_.PY	133

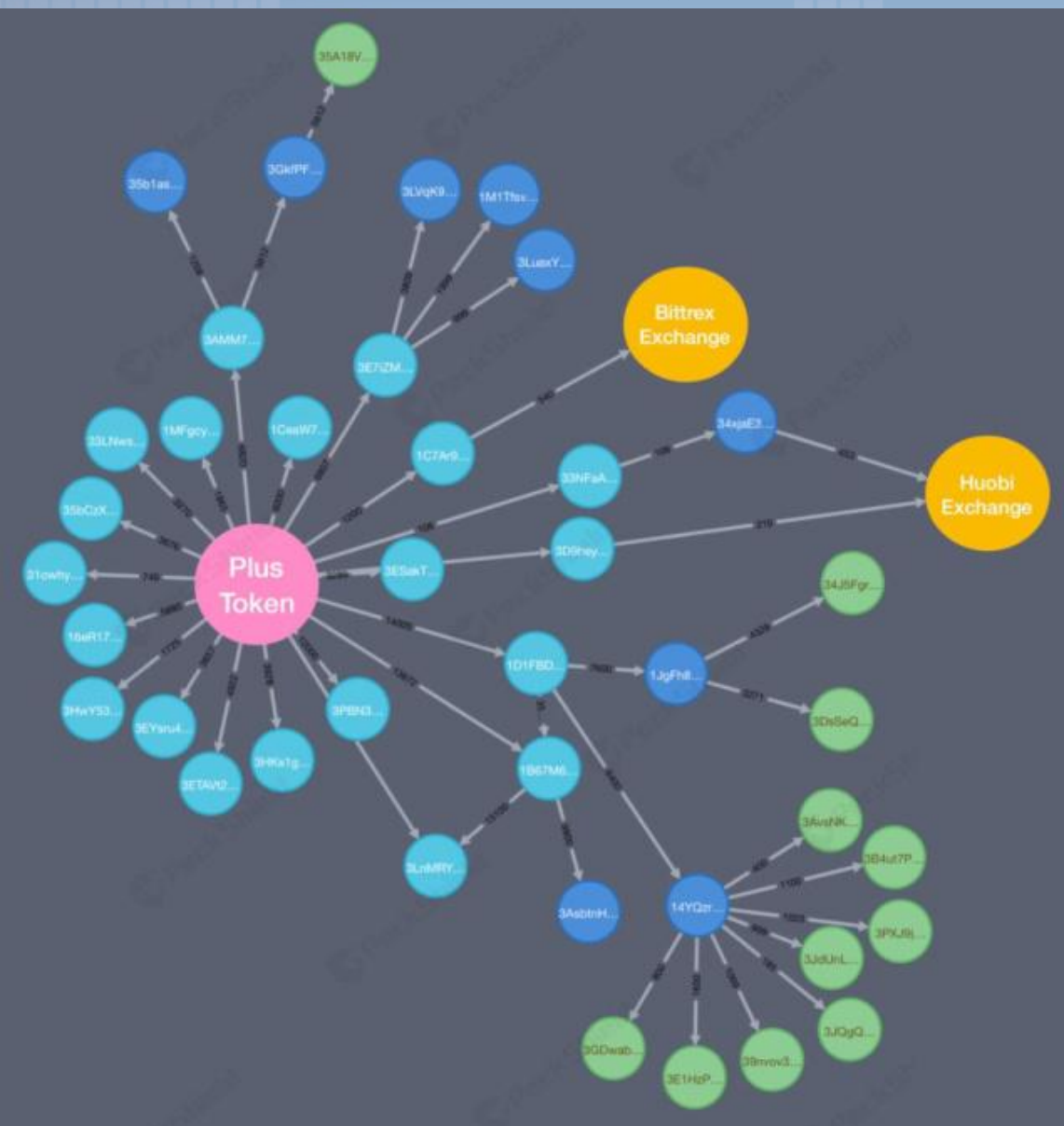
助记词

10dbld000	74 79 6C 65 3A 6E 61 6D-65 3D 22 70 31 22 20 73	tyle:name="pl" s
10dbld010	74 79 6C 65 3A 66 61 6D-69 6C 79 3D 22 70 61 72	tyle:family="par
10dbld020	61 67 72 61 70 68 22 3E-0A 20 20 20 20 20 3C	agraph">· <
10dbld030	73 74 79 6C 65 3A 70 61-72 61 67 72 61 70 68 2D	style:paragraph-
10dbld040	70 72 6F 70 65 72 74 69-65 73 2F 3E 0A 20 20 20	properties/>·
10dbld050	20 3C 2F 73 74 79 6C 65-3A 73 74 79 6C 65 3E 0A	</style:style>·
10dbld060	20 20 3C 2F 6F 66 66 69-63 65 3A 61 75 74 6F 6D	</office:autom
10dbld070	61 74 69 63 2D 73 74 79-6C 65 73 3E 0A 20 20 3C	atic-styles>· <
10dbld080	6F 66 66 69 63 65 3A 62-6F 64 79 3E 0A 20 20 20	office:body>·
10dbld090	20 3C 6F 66 66 69 63 65-3A 74 65 78 74 3E 0A 20	<office:text>·
10dbld0a0	20 20 20 20 20 3C 74 65-78 74 3A 70 20 74 65 78	<text:p tex
10dbld0b0	74 3A 73 74 79 6C 65 2D-6E 61 6D 65 3D 22 70 31	t:style-name="pl
10dbld0c0	22 3E 3C 74 65 78 74 3A-73 70 61 6E 20 74 65 78	"><text:span tex
10dbld0d0	74 3A 73 74 79 6C 65 2D-6E 61 6D 65 3D 22 63 30	t:style-name="c0
10dbld0e0	22 3E 72 69 66 6C 65 20-6D 75 73 65 75 6D 20 64	">rifle museum d
10dbld0f0	72 69 70 20 61 72 72 6F-77 20 65 6E 64 6C 65 73	rip arrow endless
10dbld100	73 20 70 61 64 64 6C 65-20 64 72 61 73 74 69 63	s paddle drastic
10dbld110	20 6E 65 61 72 20 75 6E-68 61 70 70 79 20 6B 65	near unhappy ke
10dbld120	65 6E 20 74 72 61 69 6E-20 72 65 6C 61 78 3C 2F	en train relax</
10dbld130	74 65 78 74 3A 73 70 61-6E 3E 3C 2F 74 65 78 74	text:span></text
10dbld140	3A 70 3E 0A 20 20 20 20-3C 2F 6F 66 66 69 63 65	:p>· </office
10dbld150	3A 74 65 78 74 3E 0A 20-20 3C 2F 6F 66 66 69 63	:text>· </offic
10dbld160	65 3A 62 6F 64 79 3E 0A-3C 2F 6F 66 66 69 63 65	e:body>·</office
10dbld170	3A 64 6F 63 75 6D 65 6E-74 2D 63 6F 6E 74 65 6E	:document-conten
10dbld180	74 3E 0A 00 00 00 00-00 00 00 00 00 00 00 00	t>.....
10dbld190	00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
10dbld1a0	00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
10dbld1b0	00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
10dbld1c0	00 00 00 00 00 00 00-00 00 00 00 00 00 00 00

转账相关的地址

0066f3800	38	6A	77	70	50	42	62	4E-6E	62	59	48	41	46	41	61	8jwpPBbNnbYHAFaA
0066f3810	62	77	72	74	5A	76	66	6E-6A	22	3A	20	5B	5D	2C	0A	bwrtZvfnj": [], .
0066f3820	20	20	20	20	20	20	20	20-22	31	4D	57	76	59	4B	63	"lMwvYKc
0066f3830	57	42	65	46	68	36	45	71-46	4A	47	54	58	34	76	6A	WBeFh6EqFJGTx4vj
0066f3840	50	31	68	61	76	39	51	58-4E	4C	7A	22	3A	20	5B	5D	Plhav9QXNLz": []
0066f3850	2C	0A	20	20	20	20	20	20-20	20	22	31	4E	36	6A	74	, . "lN6jt
0066f3860	68	52	6E	4A	32	6F	34	61-41	7A	4D	57	76	46	4D	70	hRnJ2o4aAzMwvFMP
0066f3870	68	39	78	65	59	77	64	5A-61	38	36	68	52	22	3A	20	h9waYwdZa86hR":
0066f3880	5B	5D	2C	0A	20	20	20	20-20	20	20	20	22	31	50	58	[], . "lPX
0066f3890	37	4B	52	73	31	66	75	42-41	70	38	43	32	42	79	55	7KRslfuBAp8C2ByU
0066f38a0	78	4D	42	43	4B	35	75	38-79	4A	4A	48	35	50	63	22	xMBCK5u8yJH5Pc"
0066f38b0	3A	20	5B	0A	20	20	20	20-20	20	20	20	20	20	20	20	: [.
0066f38c0	5B	0A	20	20	20	20	20	20-20	20	20	20	20	20	20	20	[.
0066f38d0	20	20	22	65	62	65	65	64-35	65	63	35	34	62	64	34	"ebeed5ec54bd4
0066f38e0	32	63	31	65	31	32	30	32-61	39	66	39	62	62	33	65	2clel202a9f9bb3e
0066f38f0	32	34	61	63	62	65	35	33-62	37	62	63	63	34	62	64	24acbe53b7bcc4bd
0066f3900	38	34	36	36	39	65	30	38-31	36	65	30	62	36	61	66	84669e0816e0b6af
0066f3910	62	37	31	22	2C	0A	20	20-20	20	20	20	20	20	20	20	b71", .
0066f3920	20	20	20	20	20	20	35	39-32	33	35	39	0A	20	20	20	592359 .
0066f3930	20	20	20	20	20	20	20	20-20	5D	0A	20	20	20	20	20] .
0066f3940	20	20	20	5D	2C	0A	20	20-20	20	20	20	20	20	22	31], . "l
0066f3950	58	42	52	58	67	56	68	4B-6A	4D	43	7A	50	63	74	44	XBRXgVhKjMCzPctD
0066f3960	50	55	76	55	66	63	44	50-73	70	67	35	58	39	55	4D	PUvUfcDPspg5X9UM
0066f3970	22	3A	20	5B	5D	2C	0A	20-20	20	20	20	20	20	20	22	": [], . "
0066f3980	31	68	57	5A	38	4A	55	39-56	55	6B	53	62	54	74	62	lhWZ8JU9VUkSbTtb
0066f3990	39	57	34	68	41	36	67	54-47	45	38	66	66	68	73	55	9W4hA6gTGE8ffhsU
0066f39a0	53	22	3A	20	5B	5D	2C	0A-20	20	20	20	20	20	20	20	S": [], .
0066f39b0	22	31	6D	52	44	7A	6F	4A-4A	70	6D	6F	33	36	4D	35	"lMRDzoJJpmo36M5
0066f39c0	37	61	4D	55	50	50	61	32-35	54	79	6F	62	44	38	4D	7aMUPPa25TyobD8M
0066f39d0	44	33	22	3A	20	5B	5D	0A-20	20	20	20	7D	2C	0A	20	D3": []. }, .
0066f39e0	20	20	20	22	61	64	64	72-65	73	73	65	73	22	3A	20	"addresses":
0066f39f0	7B	0A	20	20	20	20	20	20-20	20	22	63	68	61	6E	67	{ . "chang
0066f3a00	65	22	3A	20	5B	0A	20	20-20	20	20	20	20	20	20	20	e": [.

基于地址的追踪



基于地址的追踪难度很大，常常存在混淆转账的情况，目前现有的地址追踪的方法就是对相关的恶意地址进行标记追踪监控，绘制相关转账图谱。

03

暗网取证

正常浏览器的取证

历史记录

- 浏览网页留下的URL地址记录

缓存

- 浏览网页下载的临时文件

Cookies

- 上网时的操作轨迹，含记住的账号密码信息

书签

- 收藏的内容

下载记录

- 下载的内容

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The screenshot shows the Tor Browser interface. At the top, there is a navigation bar with back, forward, and refresh buttons, followed by the text "Tor Browser" and "Search with DuckDuckGo or enter address". Below this, a purple sidebar contains a "New to Tor Browser? Let's get started." button. The main content area displays a "Library" window with a search bar and a table with columns for "Name", "Tags", and "Location". The table is currently empty. Below the table, there is a "Name:" label and a text input field containing the word "History". At the bottom of the page, there are two links: "Questions? Check our Tor Browser Manual »" and "Get the latest news from Tor straight to your inbox. Sign up for Tor News »".

← → ↻ Tor Browser Search with DuckDuckGo or enter address

New to Tor Browser?
Let's get started.

Library

← → 📄 Organize ▾ 📄 Views ▾ 🌟 Import and Backup ▾ 🔍 Search History

History	Name	Tags	Location
---------	------	------	----------

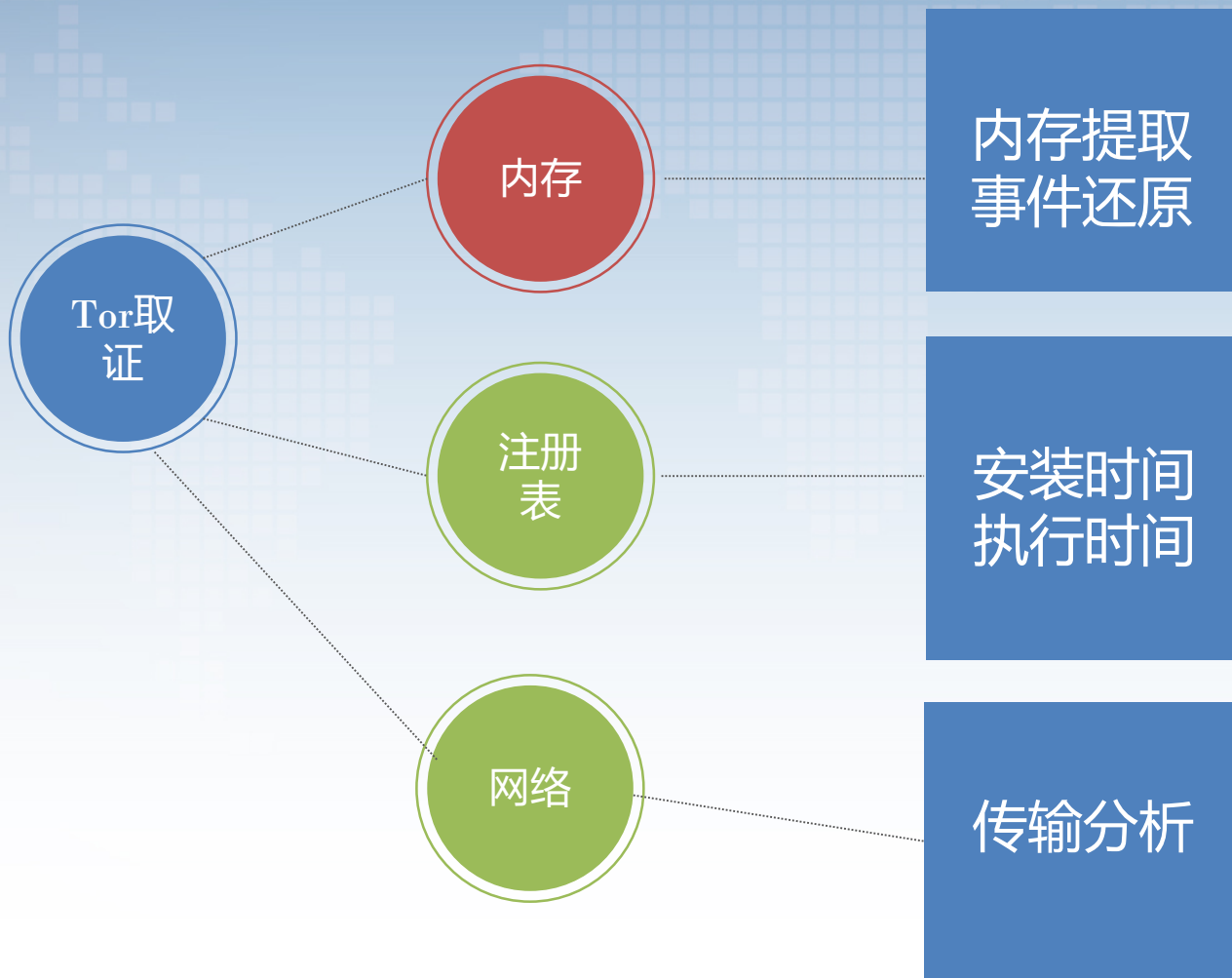
📁 Downloads
📁 Tags
📁 All Bookmarks
📁 Bookmarks Toolbar
 ⚙ Most Visited
📁 Bookmarks Menu
 ⚙ Recent Tags
📁 Other Bookmarks

Name: History

Questions? [Check our Tor Browser Manual »](#)

📧 Get the latest news from Tor straight to your inbox. [Sign up for Tor News »](#)

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暗网欢迎 | 资产: 0 | BTC:USD: 10740.43 | Tor Project! Human rights. [设置资金密码]

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- 分类 [数据](#) | [服务](#) | [虚拟](#) | [实体](#) | [技术](#) | [其它](#) | [基础](#) | [影视](#) | [私拍](#) | [卡料](#) |
- 使用 [广告发布刊登](#) | [发布新交易](#) | [问题反馈](#) | [委托出售](#) | [禁止暗网外联系](#) |
- 信息 [违规处理](#) | [资金安全](#) | [常见问题](#) | [担保交易流程与操作](#) [账户安全及防钓鱼提示](#)

发布	广告-付费宣传	发布	广告-付费宣传	发布	广告-付费宣传
甲 1600出件套/另专业资金洗白, 专精资金盘		🍷 大量收商城购买数据, 物流单号数据, 彩票数据		甲 出博彩-彩票新资料代出-棋牌	
甲 实力团队 售bc后台玩家数据		🍷 收棋牌各类新老数据! 稳定长期不限收!		🍷 专业出售棋牌, 网贷, 彩票,	
甲 指定微信号, QQ号获取		甲 收商城购买数据, 物流单号数据, 彩票数据, 寻		🍷 &&出售&&BC各类一手数据 服	
甲 出售全网适合推广 棋牌 博彩 彩票 配资数据		🍷 收网购订单数据, 京东, 美国, 贝贝, 唯品会,		甲 出一手精准数据、云控系统、	
🍷 专业资源商 出各领域一手资料		🍷 收网购订单, 京东, 淘宝, 贝贝, 唯品会, 各种		甲 [本站三年老号]收一手女性数据	
甲 全网独家-股民-长期稳定出股民等相关数据资源		甲 50W寻求大牛破解一款地方棋牌App		甲 收购纯六合彩粉,彩票粉, 网赚	
🍷 黑科技三网短信群发软件, 成本6厘。网赚粉等		🍷 收一手两个月内商城购物数据, 以及国内, 国际实		🍷 开户:BC/WZ/QP搜索户、信息	
🍷 出两个理财网站一手数据 只放一周 一个有1200		🍷 精准引流暴力推广! 全行业可上! 量大! 新资源		甲 大量收购纯六合彩粉, 六合彩	
🍷 诚信收购一手各类男女数据 长期收购欢迎合作		🍷 寻求, 指定网站入侵, 数据获取, 厚酬		甲 收各类数据--大牛拿站--银商	
甲 每天实时更新一手诊股的数据, 欢迎配资投顾的		甲 出棋牌数据 接106国内通道0.25		甲 高薪聘SEO人员, 高价收SEC	
🍷 高价收购gm信息		甲 团队接博彩类渗透拖库, shell劫持等业务。		甲 收购 彩票 棋牌数据	
甲 寻大额洗钱团队合作-另收博彩、淘宝、贷款真		🍷 联电机房 无与伦比 96%到达率 价格有惊喜		甲 BC公司重金及股份合作制寻	
甲 1.QPBC金准数据2.微信云控3.CPA (点开看详		甲 高送达率#短信卡发 三网群发 (92%-98%)		甲 收购精准股民数据 (证券 投	
甲 找四件套/支付宝/火币号, 这里一定要看!!		甲 高价收购股民证券资源私用, 只要真实保证你物		甲 大量收购纯六合彩粉, 六合彩	

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Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI	ASCII
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001CE38A0	04	00	00	00	00	00	00	00	C0	13	31	EB	07	02	00	00	À lě	
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001CE38C0	FB	30	10	5B	A2	58	21	41	84	B5	E9	D3	00	4B	00	90	û0 [cX!A„péÓ K	
001CE38D0	67	65	74	69	6E	66	6F	20	6E	73	2F	69	64	2F	38	35	getinfo ns/id/85	
001CE38E0	41	33	41	43	30	34	31	45	33	46	43	44	37	39	36	41	A3AC041E3FCD796A	
001CE38F0	46	35	44	36	35	33	39	35	33	44	35	45	32	37	41	35	F5D653953D5E27A5	
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001CE3930	65	69	36	65	7A	73	65	78	64	34	69	71	32	74	6D	2E	ei6ezsexd4iq2tm.	
001CE3940	6F	6E	69	6F	6E	2F	00	00	2E	00	6A	00	73	00	00	00	onion/ . j s	
001CE3950	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
001CE3960	00	00	00	00	00	00	00	00	9E	B5	F3	D3	00	4D	00	90	ŽpúÓ M	
001CE3970	63	6F	6E	74	72	6F	6C	50	6F	72	74	20	3E	3E	20	32	controlPort >> 2	
001CE3980	35	30	2D	69	70	2D	74	6F	2D	63	6F	75	6E	74	72	79	50-ip-to-country	
001CE3990	2F	37	38	2E	38	33	2E	31	31	34	2E	37	38	3D	62	67	/78.83.114.78-bg	
001CE39A0	0D	0A	32	35	30	20	4F	4B	00	01	10	E2	07	02	00	00	250 OK " á	
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001CE39D0	75	6E	74	72	79	2F	38	30	2E	31	34	34	2E	32	31	31	untry/80.144.211	
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001CE3E20	67	65	74	69	6E	66	6F	20	69	70	2D	74	6F	2D	63	6F	getinfo	ip-to-co
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001CE3E40	31	39	35	0D	0A	00	6A	00	73	00	00	00	00	00	00	00	195	j s
001CE3E50	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
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001CE3E70	63	6F	6E	74	72	6F	6C	50	6F	72	74	20	3E	3E	20	32	controlPort	>> 2
001CE3E80	35	30	2D	69	70	2D	74	6F	2D	63	6F	75	6E	74	72	79	50 ip to country	
001CE3E90	2F	35	31	2E	33	38	2E	31	36	34	2E	31	35	37	3D	66	/51.38.164.157+f	
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001CE3F40	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00		
001CE3F50	00	00	00	00	00	00	00	00	FD	B5	90	D3	00	60	00	90		ýµ Ó `
001CE3F60	00	04	00	00	06	00	00	00	00	00	00	00	00	00	00	00		
001CE3F70	60	72	47	ED	07	02	00	00	74	5F	64	69	73	70	6C	61	`rGi t_displa	
001CE3F80	79	2E	72	65	6C	61	79	00	00	00	00	00	00	00	00	00	y.relay	
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Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI	ASCII
17COEAD20	6C	61	41	0A	40	6C	61	73	74	2D	6C	69	73	74	65	64	laA	@last-listed
17COEAD30	20	32	30	31	39	2D	30	38	2D	32	30	20	31	36	3A	33		2019-08-20 16:3
17COEAD40	32	3A	35	37	0A	6F	6E	69	6F	6E	2D	6B	65	79	0A	2D	2:57	onion-key -
17COEAD50	2D	2D	2D	2D	42	45	47	49	4E	20	52	53	41	20	50	55	----	BEGIN RSA PU
17COEAD60	42	4C	49	43	20	4B	45	59	2D	2D	2D	2D	0A	4D	49		BLIC KEY----- MI	
17COEAD70	47	4A	41	6F	47	42	41	4D	79	71	51	78	34	4D	71	73	60A0GBAMyqQx4MqS	
17COEAD80	4A	6D	6B	6C	45	55	76	62	49	74	44	75	4F	37	75	63	JmklEUvbItDuO7uc	
17COEAD90	56	49	4B	50	4F	4B	51	51	55	46	42	30	38	34	72	34	VIKPOKQQUFB084r4	
17COEADA0	71	6C	56	73	48	66	6C	70	45	57	6E	69	4C	31	0A	6F	qlVsHflpEWniLl o	
17COEADB0	4D	47	49	63	4C	4C	7A	35	49	4E	4D	72	64	4C	6D	6D	MGIcLLz5INMrDLmm	
17COEADC0	55	54	4E	59	42	77	4A	67	66	42	2F	54	44	72	49	77	UTNYBwJgfB/TDrIw	
17COEADD0	63	4D	4C	5A	74	31	32	6A	32	31	65	34	50	33	50	47	cMLZt12j21e4P3PG	
17COEADE0	6C	61	41	52	71	48	77	63	4E	59	42	42	6F	71	4C	0A	laARqHwcNYBBoqL	
17COEADF0	6F	4D	78	7A	4E	67	51	55	55	42	66	52	50	72	01	53	oMxzNgQUUBfRPrtS	
17COEAE00	77	43	6B	58	41	64	6A	32	50	34	57	38	37	67	77	62	wCkXAdj2P4W87gwb	
17COEAE10	59	52	77	31	63	53	45	59	45	74	61	44	77	79	57	4A	YRwlcSEYEtaDwyWJ	
17COEAE20	5A	59	66	54	41	67	4D	42	41	41	45	3D	0A	2D	2D	2D	ZYfTAgMBAAE= ---	
17COEAE30	2D	2D	45	4E	44	20	52	53	41	20	50	55	42	4C	49	43	--END RSA PUBLIC	
17COEAE40	20	4B	45	59	2D	2D	2D	2D	2D	0A	6E	74	6F	72	2D	6F	KEY----- ntor-o	
17COEAE50	6E	69	6F	6E	2D	6B	65	79	20	71	62	44	71	6A	57	71	nion-key qbDqjWq	
17COEAE60	51	6A	6B	51	4D	7A	32	30	67	5A	61	38	75	7A	48	6A	QjkQMz20gZa8uzHj	
17COEAE70	36	64	76	37	30	47	69	78	6D	69	46	53	78	32	55	47	6dv70GixmiFSx2UG	
17COEAE80	38	50	52	38	3D	0A	69	64	20	65	64	32	35	35	31	39	8PR8= id ed25519	
17COEAE90	20	4C	76	5A	51	31	58	64	58	72	4B	54	45	35	71	71	LvZQ1XdXrKTE5qq	
17COEAEA0	4D	53	70	65	76	45	51	74	6D	35	66	65	6C	76	6A	78	MSpevEQtm5felvix	



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Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI	ASCII	^
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0002475F0	72	65	66	65	72	72	65	72	5B	00	00	80	04	00	FF	FF	referrer[€ ŷŷ	
000247600	68	74	74	70	3A	2F	2F	64	65	65	70	6D	69	78	62	66	http://deepmixbf		
000247610	01	78	71	74	33	6D	37	6B	61	67	6D	75	72	64	74	34	xqt3m7kagmurdt4		
000247620	76	34	33	66	32	68	33	64	6F	63	32	33	68	37	68	72	v43f2h3doc23h7hr		
000247630	6B	6A	6C	72	6F	6F	76	79	6A	73	76	73	65	71	64	2E	kjlroovyjsvseqd.		
000247640	6F	6E	69	6F	6E	2F	75	63	70	2E	70	68	70	3F	6D	6F	onion/ucp.php?mo		
000247650	64	65	3D	72	65	67	69	73	74	65	72	00	00	00	00	00	de=register		
000247660	0E	00	00	80	04	00	FF	FF	72	65	66	65	72	72	65	72	€ ŷŷreferrer		
000247670	50	6F	6C	69	63	79	00	00	08	00	00	00	03	00	FF	FF	Policy	ŷŷ	
000247680	0B	00	00	80	04	00	FF	FF	6F	72	69	67	69	6E	61	6C	€ ŷŷoriginal		
000247690	55	52	49	00	00	00	00	00	5B	00	00	80	04	00	FF	FF	URI	[€ ŷŷ	
0002476A0	68	74	74	70	3A	2F	2F	64	65	65	70	6D	69	78	62	66	http://deepmixbf		
0002476B0	36	78	71	74	33	6D	37	6B	61	67	6D	75	72	64	74	34	6xqt3m7kagmurdt4		
0002476C0	76	34	33	66	32	68	33	64	6F	63	32	33	68	37	68	72	v43f2h3doc23h7hr		
0002476D0	6B	6A	6C	72	6F	6F	76	79	6A	73	76	73	65	71	64	2E	kjlroovyjsvseqd.		
0002476E0	6F	6E	69	6F	6E	2F	75	63	70	2E	70	68	70	3F	6D	6F	onion/ucp.php?mo		
0002476F0	64	65	3D	72	65	67	69	73	74	65	72	00	00	00	00	00	de=register		
000247700	12	00	00	80	04	00	FF	FF	72	65	73	75	6C	74	50	72	€ ŷŷresultPr		
000247710	69	6E	63	69	70	61	6C	55	52	49	00	00	00	00	00	00	incipalURI		
000247720	00	00	00	00	00	00	FF	FF	09	00	00	80	04	00	FF	FF	ŷŷ € ŷŷ		
000247730	70	72	65	73	53	74	61	74	65	00	00	00	00	00	00	00	presState		
000247740	00	00	00	00	07	00	FF	FF	00	00	00	00	03	00	FF	FF	ŷŷ ŷŷ		
000247750	00	00	00	00	08	00	FF	FF	08	00	00	80	04	00	FF	FF	ŷŷ € ŷŷ		
000247760	73	74	61	74	65	4B	65	79	0D	00	00	80	04	00	FF	FF	stateKey € ŷŷ		
000247770	30	3E	33	3E	66	3E	30	3E	38	3E	3E	74	7A	00	00	00	0>3>f>0>8>>tz		
000247780	06	00	00	80	04	00	FF	FF	73	63	72	6F	6C	6C	00	00	€ ŷŷscroll		
000247790	08	00	00	80	04	00	FF	FF	30	2C	33	36	39	36	30	30	€ ŷŷ0,369600		
0002477A0	15	00	00	80	04	00	FF	FF	73	63	72	6F	6C	6C	4F	72	€ ŷŷscrollOr		
0002477B0	69	67	69	6E	44	6F	77	6E	67	72	61	64	65	00	00	00	iginDowngrade		
0002477C0	00	00	00	00	02	00	FF	FF	00	00	00	00	13	00	FF	FF	ŷŷ ŷŷ		
0002477D0	01	00	00	00	03	00	FF	FF	00	00	00	00	08	00	FF	FF	ŷŷ ŷŷ		
0002477E0	08	00	00	80	04	00	FF	FF	73	74	61	74	65	4B	65	79	€ ŷŷstateKey		
0002477F0	08	00	00	80	04	00	FF	FF	30	3E	68	74	6D	6C	3E	31	€ ŷŷ0>html>1		
000247800	06	00	00	80	04	00	FF	FF	73	63	72	6F	6C	6C	00	00	€ ŷŷscroll		



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Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
2FAD7E2A0	B0	E6	9F	8B	41	02	00	00	10	F0	9F	8B	41	02	00	00
2FAD7E2B0	00	00	00	00	00	00	00	00	16	50	49	81	00	0B	00	90
2FAD7E2C0	01	00	00	00	F8	03	00	00	75	73	65	72	6E	61	6D	65
2FAD7E2D0	3D	74	6F	72	74	65	73	74	26	6E	65	77	5F	70	61	73
2FAD7E2E0	73	77	6F	72	64	3D	54	6F	72	74	65	73	74	25	34	30
2FAD7E2F0	31	32	33	26	70	61	73	73	77	6F	72	64	5F	63	6F	6E
2FAD7E300	66	69	72	6D	3D	54	6F	72	74	65	73	74	25	34	30	31
2FAD7E310	32	33	26	65	6D	61	69	6C	3D	78	78	78	78	25	34	30
2FAD7E320	78	78	78	78	2E	78	78	78	26	6C	61	6E	67	3D	7A	68
2FAD7E330	5F	63	6D	6E	5F	68	61	6E	73	26	74	7A	5F	64	61	74
2FAD7E340	65	3D	55	54	43	25	32	42	30	38	25	33	41	30	30	2B
2FAD7E350	2D	2B	41	6E	74	61	72	63	74	69	63	61	25	32	46	43
2FAD7E360	61	73	65	79	2B	2D	2B	32	30	31	39	2D	30	38	2D	32
2FAD7E370	31	2B	30	30	25	33	41	33	38	26	74	7A	3D	41	73	69
2FAD7E380	61	25	32	46	48	6F	6E	67	5F	4B	6F	6E	67	26	63	6F
2FAD7E390	6E	66	69	72	6D	5F	63	6F	64	65	3D	33	73	62	7A	73
2FAD7E3A0	26	63	6F	6E	66	69	72	6D	5F	69	64	3D	66	36	66	33
2FAD7E3B0	34	34	34	31	33	66	64	64	36	62	36	32	62	32	37	34
2FAD7E3C0	38	37	31	62	38	36	36	38	37	66	36	37	26	61	67	72
2FAD7E3D0	65	65	64	3D	74	72	75	65	26	63	68	61	6E	67	65	5F

```

ANSI ASCII
°æÿ<A      øÿ<A
          PT
          ø      username
=tor'      &new_pas
sword=tor&test%40
123&password_con
firm=Tor
          ;email=xxxx&+0
xxxx.xxx&lang=zh
_cmh_hans&tz_dat
e=UTC%2B08%3A00+
--Antarctica%2FC
asey+--+2019-08-2
1+00%3A38&tz=Asi
a%2FHong_Kong&co
nfirm_code=3ebze
          _
&confirm_id=f6f3
44413fdd6b62b274
871b86687f67&agr
eed=true&char
  
```



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Offset	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	ANSI	ASCII
00A17F2E0	74	00	73	00	2F	00	66	00	6F	00	6E	00	74	00	61	00	t	s / f o n t a
00A17F2F0	77	00	65	00	73	00	6F	00	6D	00	65	00	2D	00	77	00	w	e s o m e - w
00A17F300	65	00	62	00	66	00	6F	00	6E	00	74	00	2E	00	74	00	e	b f o n t . t
00A17F310	74	00	66	00	3F	00	76	00	3D	00	34	00	2E	00	37	00	t	f ? v = 4 . 7
00A17F320	2E	00	30	00	00	00	00	00	09	00	00	80	04	00	FF	FF	.	0 € ŷŷ
00A17F330	6F	72	69	67	69	6E	55	72	6C	00	00	00	00	00	00	00	o	r i g i n U r l
00A17F340	5B	00	00	80	04	00	FF	FF	01	74	74	70	3A	2F	2F	64	[€ ŷŷ t t p : // d
00A17F350	65	65	70	6D	69	78	6A	73	6F	34	65	72	6F	36	68	33	e	e p m i x j s o 4 e r o 6 h 3
00A17F360	70	73	78	73	6B	6B	62	37	35	36	6F	66	66	6F	33	75	p	s x s k k b 7 5 6 o f f o 3 u
00A17F370	7A	6E	78	34	61	34	34	76	75	63	35	34	36	34	6D	6A	z	n x 4 a 4 4 v u c 5 4 6 4 m j
00A17F380	6B	71	77	6E	64	79	64	2E	6F	6E	69	6F	6E	2F	76	69	k	q w n d y d . o n i o n / v i
00A17F390	65	77	74	6F	70	69	63	2E	70	68	70	3F	74	3D	32	39	e	w t o p i c . p h p ? t = 2 9
00A17F3A0	39	38	30	00	00	00	00	00	0B	00	00	80	04	00	FF	FF	9	8 0 € ŷŷ
00A17F3B0	64	6F	63	75	6D	65	6E	74	55	72	6C	00	00	00	00	00	d	o c u m e n t U r l
00A17F3C0	5B	00	00	80	04	00	FF	FF	68	74	74	70	3A	2F	2F	64	[€ ŷŷ h t t p : // d
00A17F3D0	65	65	70	6D	69	78	6A	73	6F	34	65	72	6F	36	68	33	e	e p m i x j s o 4 e r o 6 h 3
00A17F3E0	70	73	78	73	6B	6B	62	37	35	36	6F	66	66	6F	33	75	p	s x s k k b 7 5 6 o f f o 3 u
00A17F3F0	7A	6E	78	34	61	34	34	76	75	63	35	34	36	34	6D	6A	z	n x 4 a 4 4 v u c 5 4 6 4 m j
00A17F400	6B	71	77	6E	64	79	64	2E	6F	6E	69	6F	6E	2F	76	69	k	q w n d y d . o n i o n / v i
00A17F410	65	77	74	6F	70	69	63	2E	70	68	70	3F	74	3D	32	39	e	w t o p i c . p h p ? t = 2 9
00A17F420	39	38	30	00	00	00	00	00	06	00	00	80	04	00	FF	FF	9	8 0 € ŷŷ
00A17F430	6D	65	74	68	6F	64	00	00	03	00	00	80	04	00	FF	FF	m	e t h o d € ŷŷ
00A17F440	47	45	54	00	00	00	00	00	04	00	00	80	04	00	FF	FF	G	E T € ŷŷ
00A17F450	74	79	70	65	00	00	00	00	04	00	00	80	04	00	FF	FF	t	y p e € ŷŷ
00A17F460	66	6F	6E	74	00	00	00	00	09	00	00	80	04	00	FF	FF	f	o n t € ŷŷ
00A17F470	74	69	6D	65	53	74	61	6D	70	00	00	00	00	00	00	00	t	i m e S t a m p
00A17F480	00	F0	48	98	15	CB	76	42	07	00	00	80	04	00	FF	FF	δ	H ~ È v B € ŷŷ
00A17F490	66	72	61	6D	65	49	64	00	00	00	00	00	03	00	FF	FF	f	r a m e I d ŷŷ
00A17F4A0	0D	00	00	80	04	00	FF	FF	70	61	72	65	6E	74	46	72	€	ŷŷ p a r e n t F r
00A17F4B0	61	6D	65	49	64	00	00	00	FF	FF	FF	FF	03	00	FF	FF	a	m e I d ŷŷŷŷ ŷŷ
00A17F4C0	09	00	00	80	04	00	FF	FF	70	72	6F	78	79	49	6E	66	€	ŷŷ p r o x y I n f

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deepmixso4ero6h3psxskkb756offo3uznx4a44vuc5464mjkqwndyd.onion/viewtopic.php?t=29980

当前无咨询与支付, 如果有, 下方会产生具体列表显示.

回复

尊敬的朋友: 如下标题和内容是卖家对其商品的描述和承诺, 请务必仔细阅读, 防止错买, 如有疑问, 请在下面回复, 卖家的补充回复同样视为交易承诺

877655444
帖子: 70
注册时间: 2019年-4月-29日 02:24

近20W深圳高端法人住址+电话详细信息 (自动发货)

由 877655444 > 2019年-8月-01日 01:30

懂货的不要墨迹数据出售后概不退款

附件

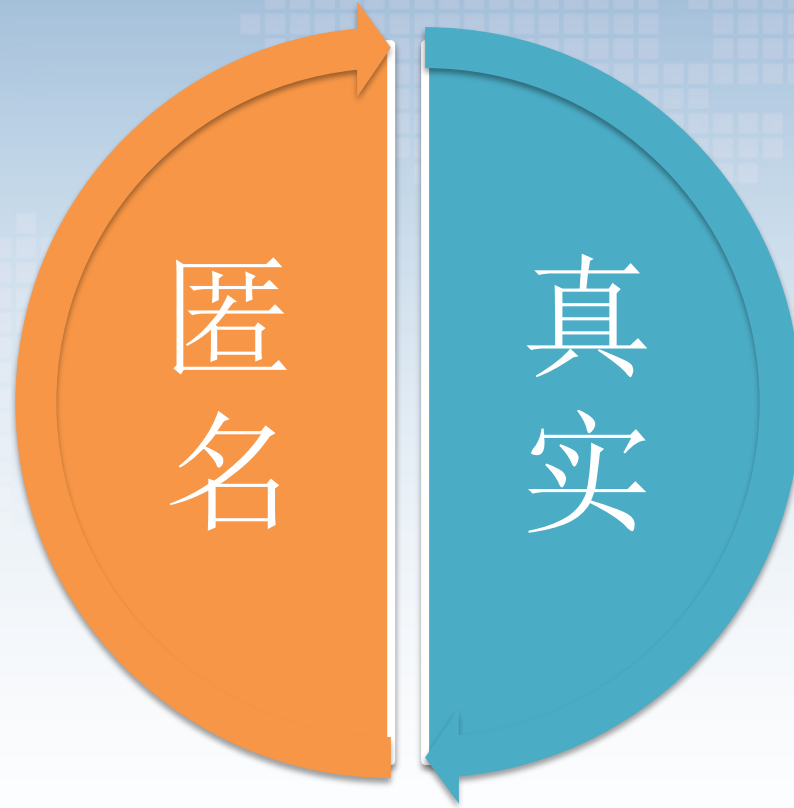
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深圳红树八号投资:135101		广东省深圳市福田区深南路4011号港中旅7
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深圳市德聚富叁拾:150020		广东省深圳市罗湖区笋岗街道桃园路108号
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04

总结

比特币相关的取证



谢谢