



iExec

基于区块链的分布式云计算

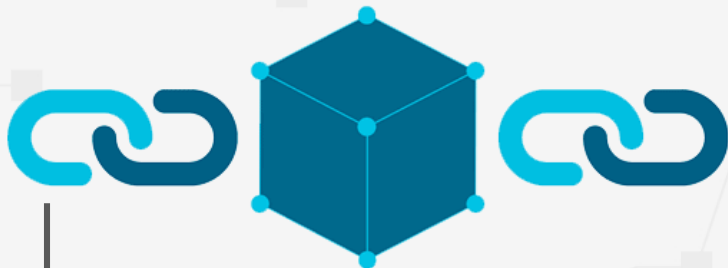
如何使用iExec链下算力 高效运行以太坊智能合约

30分钟



痛点?

区块链智能合约



=

贵、慢



复杂计算




iExec 算工池 (链下)



开发者工具

iExec SDK

 [iExecBlockchainComputing / iexec-sdk](#)

 Unwatch ▾ 39

 Unstar 378

Fork 14

安装命令程序：

```
npm -g install iexec
```

或者

```
docker pull iexechub/iexec-sdk
```



部署你的APP

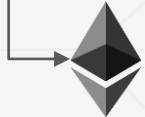
1. dockerize it!
链下

2. deploy it!
链上



```
iexec.json  
  
"app": {  
  "name": "my app name",  
  "price": 0,  
  "params": {  
    "type": "DOCKER",  
    "envvars": "XWDOCKERIMAGE=myorg/myapp"  
  }  
},
```

```
$ iexec app deploy --chain kovan
```

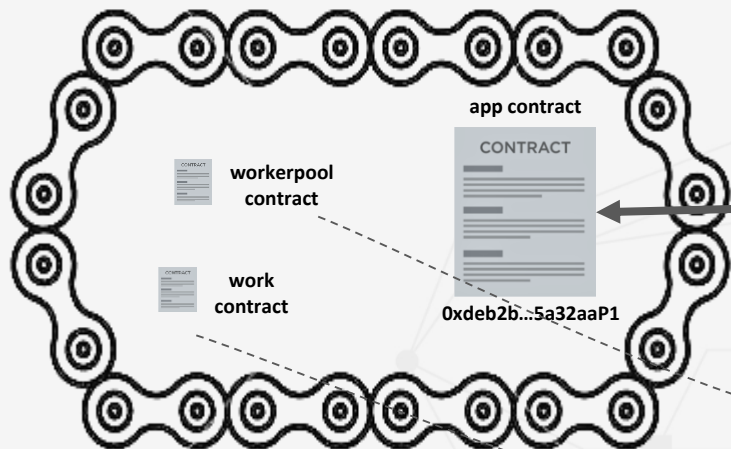


0xdeb2b....5a32aaP1

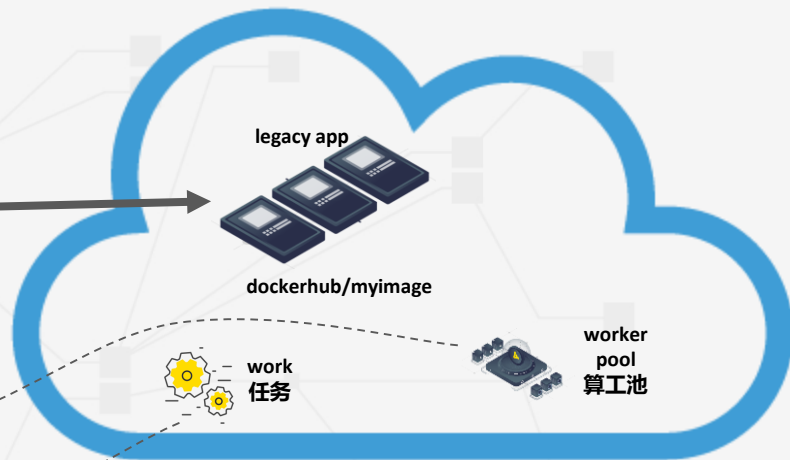


链上 / 链下 资源对应

链上

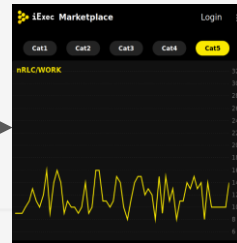
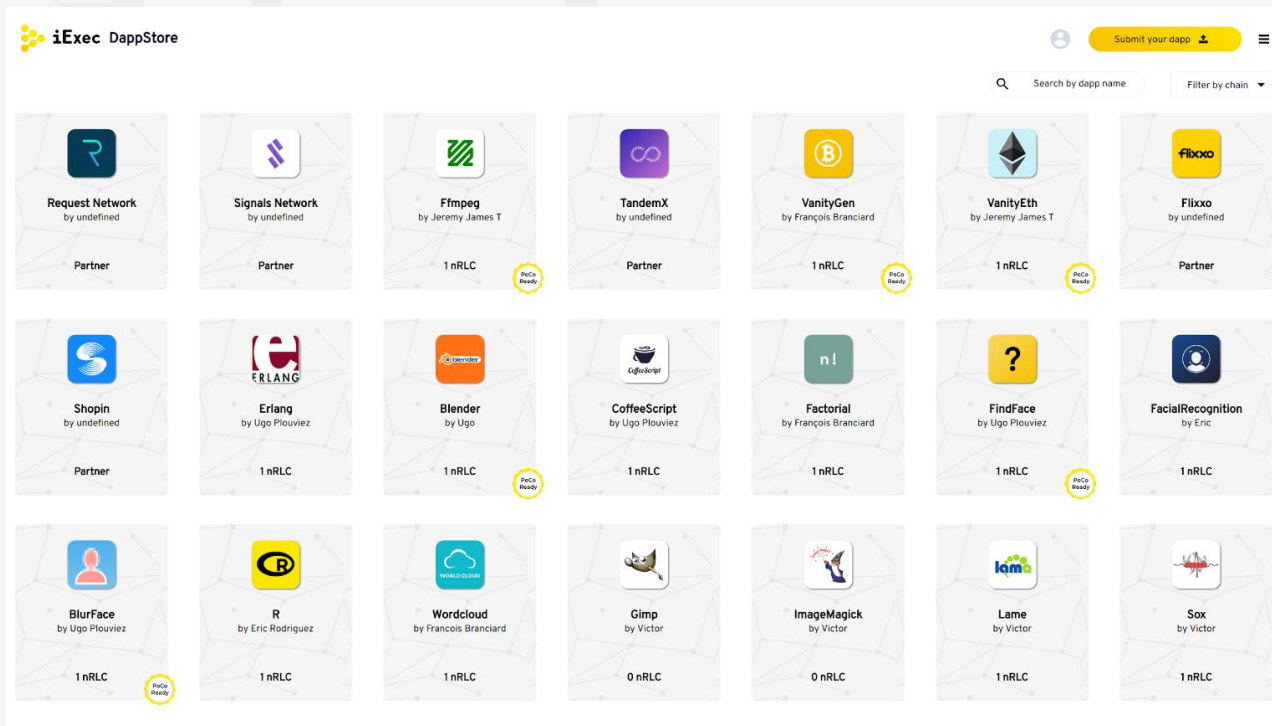


链下



Pro Tip: 怎么上iExec Dapp Store

<https://dapps.iex.ec>



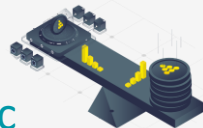
在这儿提条你的App:

<https://github.com/iExecBlockchainComputing/iexec-dapps-registry>



买低价计算资源

<https://market.iex.ec>



iExec Marketplace

Fill order submitted. Waiting for transaction 0x44a37a744b3180d064b0a2020d2769a831dcad99974. Txid 16b96201a3716b95e9010 to be processed.

iExec balance 210 nRLC
wallet balance 750 nRLC

Order Book

ID	Price	Pool	Volume
430	13	0xb95e21DC...	1
436	13	0x48992959...	1
458	13	0x851f65b27...	1
402	14	0x851f65b27...	1
429	14	0xb95e21DC...	1
457	14	0xf1eD3013f...	1
406	15	0xf1eD3013f...	1
407	15	0x851f65b27...	1
424	15	0xb95e21DC...	1
476	15	0x82190e18f...	1
447	16	0x48992959...	1

Recent Trades

ID	Price	Time	Pool
433	11	3:12:48 PM	0xb95e21DC...
462	9	10:27:48 AM	0x82190e18f...
461	9	5:11:20 AM	0x851f65b27...
485	10	9:04:48 PM	0x48992959...
460	9	10:02:20 AM	0x851f65b27...
443	9	6:16:32 AM	0x82190e18f...
439	10	2:39:16 PM	0x82190e18f...
403	13	2:27:48 PM	0x851f65b27...
451	12	11:17:56 AM	0xf1eD3013f...
455	16	11:17:40 AM	0x48992959...
431	9	11:17:04 AM	0x851f65b27...
449	8	11:17:04 AM	0x851f65b27...
412	9	9:22:44 PM	0x48992959...
420	13	2:31:36 PM	0xb95e21DC...
422	13	2:22:44 PM	0xb95e21DC...
405	12	10:12:16 PM	0xf1eD3013f...
411	11	10:06:12 PM	0x82190e18f...
413	10	10:00:20 PM	0x82190e18f...
384	8	9:51:32 PM	0x82190e18f...
399	13	9:35:20 PM	0xb95e21DC...

My Trades

ID	Price	Time	Pool
430	13	7/31/2018, 11:06:19 AM	0xb95e21dc0a825e7047b28f1f...
433	11	7/16/2018, 3:12:48 PM	0xb95e21DC0a825E7047b252...
462	9	7/8/2018, 10:27:48 AM	0x82190e187c7E7CB9d3912B...
461	9	7/8/2018, 5:11:20 AM	0x851f65b27030Ac9634BF51...
460	9	7/7/2018, 10:02:20 AM	0x851f65b27030Ac9634BF51...
443	9	7/7/2018, 6:16:32 AM	0x82190e187c7E7CB9d3912B...

Buy / Sell

Order ID: * 430 Pool Address: *

Dapp Address: * 0xAB6f80a41ede28d55716B93fa1f5491 Volume: *

Work Params: * {"cmdline":"ace"} Price: *

Buy Sell

iExec Explorer

Last work orders

Time	Telhash	Work	Dapp	Pool
24 hours a...	0x5e119b649c...	0x01AC47F2385...	0x872F2F0A43...	0x85190e...
18 hours a...	0x5e119b649c...	0x049C1C4184...	0x872F2F0A43...	0x85190e...
18 hours a...	0x351076617a1...	0x0E899b6834...	0x0209649F98...	0x85190e...
2 days ago	0x351076617a1...	0x89C7c79124...	0x6c279995D...	0x85190e...
2 days ago	0x0011183a32...	0x0F860703F...	0x872F2F0A43...	0x85190e...
2 days ago	0x2980a7f66d...	0x784244706...	0x872F2F0A43...	0x85190e...
2 days ago	0x1c7793824c5...	0x0688A7086E...	0x0214423332...	0x85190e...
5 days ago	0x539f9127846...	0x0a68d30d8a...	0x048E136A2...	0x85190e...
6 days ago	0x0ec30534695...	0x0873b76787...	0x28C53870A...	0x85190e...
6 days ago	0x07F68a348f...	0x0E183f3f116...	0x07ea470718...	0x85190e...
6 days ago	0x032a3c52063...	0x06C0358065...	0x07ea470718...	0x85190e...
6 days ago	0x032a3c52063...	0x07F68a348f...	0x07ea470718...	0x85190e...

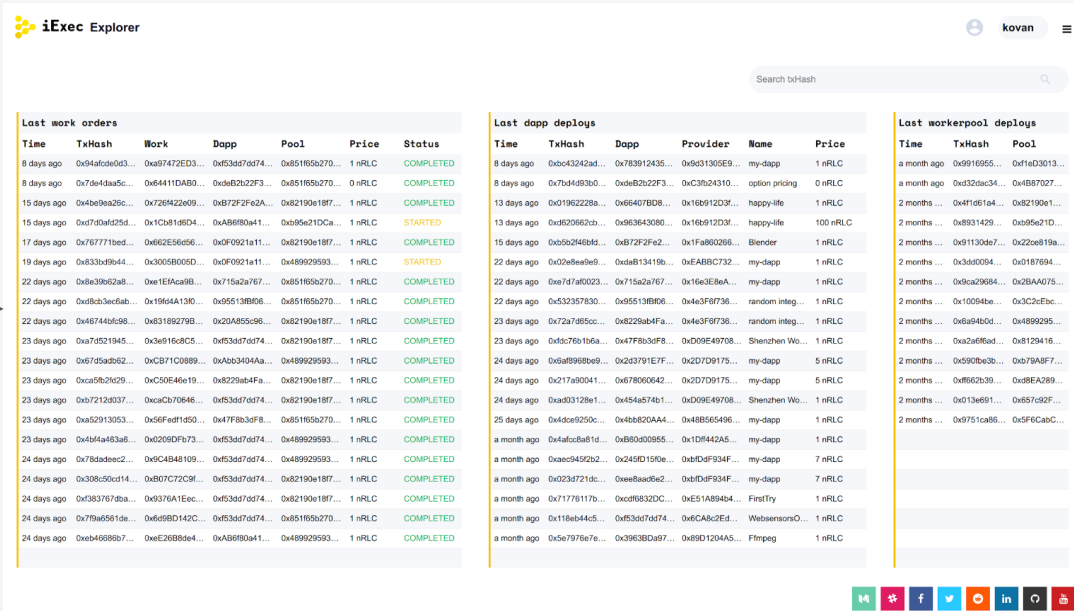


= Order ID + Dapp Address + Work Params +



浏览iExec平台状态

<https://explorer.iex.ec>



iExec Explorer

Search by hash

Last work orders

Time	TxHash	Work	Dapp	Pool	Price	Status
8 days ago	0x94afce0e0d3...	0xa97472ED3...	0xf53d57d574...	0x851f65b270...	1 nRLC	COMPLETED
8 days ago	0x7d64da5a5c...	0x64411DAB0...	0xc8e82b22F3...	0x851f65b270...	0 nRLC	COMPLETED
15 days ago	0x4be0ea26c...	0x726422609...	0xb72F2Fe2A...	0x82190e18f7...	1 nRLC	COMPLETED
15 days ago	0x7d0af025d...	0x1Cb8149D4...	0xA86f80a41...	0x095621Dca...	1 nRLC	STARTED
17 days ago	0x767771bed...	0x6E256E5e5...	0x0F0921e11...	0x82190e18f7...	1 nRLC	COMPLETED
19 days ago	0x833bdf9d4...	0x3008006D...	0x0F0921e11...	0x489929593...	1 nRLC	STARTED
22 days ago	0x8e30b62a8...	0xe1EAcA9B...	0x715a2a767...	0x851f65b270...	1 nRLC	COMPLETED
22 days ago	0x80b3ac6bab...	0x1964A13D...	0x95513f806...	0x851f65b270...	1 nRLC	COMPLETED
22 days ago	0x467440e58...	0x631892798...	0x20A855c96...	0x82190e18f7...	1 nRLC	COMPLETED
23 days ago	0xa70521945...	0x3e916c9C5...	0xf53d57d574...	0x82190e18f7...	1 nRLC	COMPLETED
23 days ago	0x6705a9b2...	0xC871C0889...	0xab33404Aa...	0x489929593...	1 nRLC	COMPLETED
23 days ago	0xc5a5b2d429...	0xc505E46e19...	0x8229ab4Fa...	0x82190e18f7...	1 nRLC	COMPLETED
23 days ago	0xb7212d337...	0xcac370846...	0xf53d57d574...	0x82190e18f7...	1 nRLC	COMPLETED
23 days ago	0xa52913053...	0x6FEdf1d50...	0x17F883cf8...	0x851f65b270...	1 nRLC	COMPLETED
23 days ago	0x4f4a463ba...	0x6209Df673...	0xf53d57d574...	0x489929593...	1 nRLC	COMPLETED
24 days ago	0x78daadec2...	0x9C4848109...	0xf53d57d574...	0x489929593...	1 nRLC	COMPLETED
24 days ago	0x308c50cd14...	0xb07C72C9f...	0xf53d57d574...	0x82190e18f7...	1 nRLC	COMPLETED
24 days ago	0x3831767ba...	0x9376A1Eec...	0xf53d57d574...	0x82190e18f7...	1 nRLC	COMPLETED
24 days ago	0x79a0561de...	0x6e98D142C...	0xf53d57d574...	0x851f65b270...	1 nRLC	COMPLETED
24 days ago	0xb4689b7...	0xeE2688e4...	0xA86f80a41...	0x489929593...	1 nRLC	COMPLETED

Last dapp deploys

Time	TxHash	Dapp	Provider	Name	Price
8 days ago	0xbcc43242ad...	0x783912435...	0x9d31305E9...	my-dapp	1 nRLC
8 days ago	0x7b4449300...	0x6e82b22F3...	0xC3b24310...	option pricing	0 nRLC
13 days ago	0xd1962228a...	0x66407BD8...	0x16b912D3f...	happy-life	1 nRLC
13 days ago	0x820662cb...	0x963643080...	0x16b912D3f...	happy-life	100 nRLC
15 days ago	0xb5b2046bd...	0x872F2Fe2...	0x1Fa80266...	Blender	1 nRLC
22 days ago	0x02e8e9e9...	0x4b13419b...	0xFABBC732...	my-dapp	1 nRLC
22 days ago	0x7d7af0023...	0x715a2a767...	0x16c3E8eA...	my-dapp	1 nRLC
22 days ago	0x532357830...	0x95513f806...	0x4c3F8773...	random integ...	1 nRLC
23 days ago	0x72a70f55c...	0x8229ab4Fa...	0x4c3F8773...	random integ...	1 nRLC
23 days ago	0x6c76b166a...	0x47F83c9F8...	0xD09E49708...	Shenzhen Wo...	1 nRLC
24 days ago	0x6af968be9...	0x2d3791E7f...	0x2D7D9175...	my-dapp	5 nRLC
24 days ago	0x217a90041...	0x678006042...	0x2D7D9175...	my-dapp	5 nRLC
24 days ago	0xa933129e1...	0x45a6574b1...	0xD09E49708...	Shenzhen Wo...	1 nRLC
25 days ago	0xd4de9250c...	0x48b820AA...	0x48B856496...	my-dapp	1 nRLC
a month ago	0x4d9acba81d...	0x80a009955...	0x1DF442A5...	my-dapp	1 nRLC
a month ago	0xaecc4592b2...	0x245D150b...	0xbDdF934F...	my-dapp	7 nRLC
a month ago	0xd0234721dc...	0x8e8aac6e2...	0x1D84934F...	my-dapp	7 nRLC
a month ago	0x71776117b...	0x0ff6832DC...	0xE51A894b4...	FirstTry	1 nRLC
a month ago	0x118e444c5...	0xf53d57d574...	0x6cA8c2Ed...	WeberssonsO...	1 nRLC
a month ago	0x5e79767e...	0x39638dA97...	0x89D120A45...	Ftpeg	1 nRLC

Last workerpool deploys

Time	TxHash	Pool
a month ago	0x9916955...	0xf1eD3013...
a month ago	0xd320ac34...	0x4B87027...
2 months ...	0x41d61a4...	0x82190e1...
2 months ...	0x8931429...	0x8e9e21D...
2 months ...	0x91130d67...	0x22e2619a...
2 months ...	0x3d50094...	0x0187694...
2 months ...	0x9ca29884...	0x2BA0A75...
2 months ...	0x10054ba...	0x3C2CEbc...
2 months ...	0x6a94b0d...	0x4899295...
2 months ...	0xa2a9f6d...	0x8129416...
2 months ...	0x909be3b...	0xb79A8F7...
2 months ...	0x862b30...	0xd8EA289...
2 months ...	0xd134691...	0xd57e92f...
2 months ...	0x9751ca8b...	0xd9FCaBC...

Recent Trades

ID	Price	Time	Pool
520	14	2:44:56 PM	0x851f65b270...
512	10	6:11:00 AM	0x851f65b270...
511	10	3:36:36 PM	0x851f65b270...
510	10	3:36:36 PM	0x851f65b270...
509	10	3:23:20 PM	0x851f65b270...
508	10	2:49:28 PM	0x851f65b270...
498	14	2:56:40 PM	0x851f65b270...
504	8	8:49:48 AM	0x82190e18f7...
497	14	5:46:12 AM	0x82190e18f7...
502	13	5:38:36 AM	0x851f65b270...
495	15	1:28:44 PM	0x851f65b270...
493	13	10:56:19 AM	0x851f65b270...
489	14	10:18:00 AM	0x851f65b270...
490	11	9:59:20 PM	0x82190e18f7...

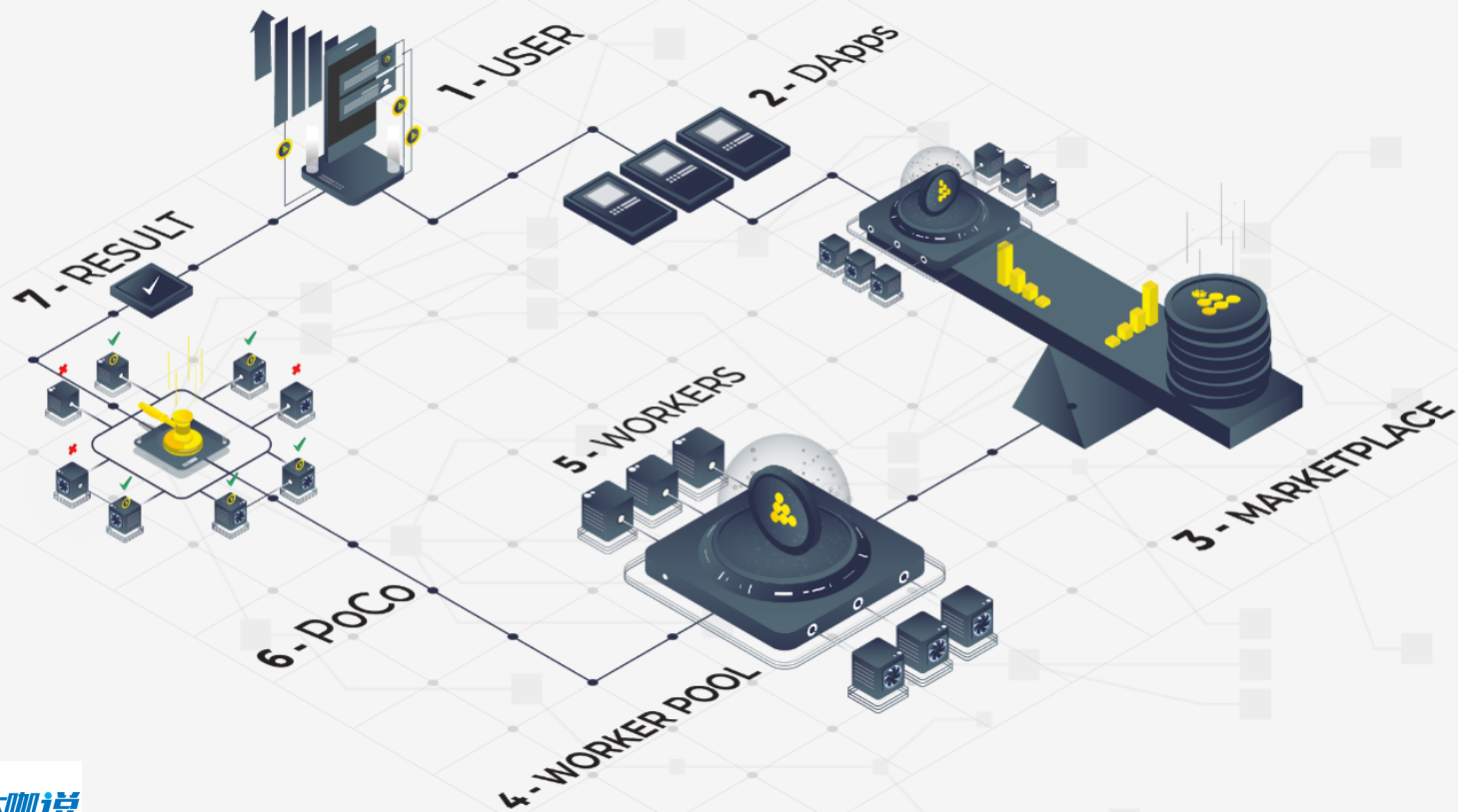
Open the work in the explorer

iExec SDK也提供浏览功能:

```
$ iexec work show
$ iexec app show
$ iexec workerpool show
```



iExec生态系统全局





iExec

基于区块链的分布式云计算

官网 <https://iex.ec>



扫描二维码加入
成都开发者社群