开源中国
oschina.net

【成都】18.08.18 OSC源创会

iExec

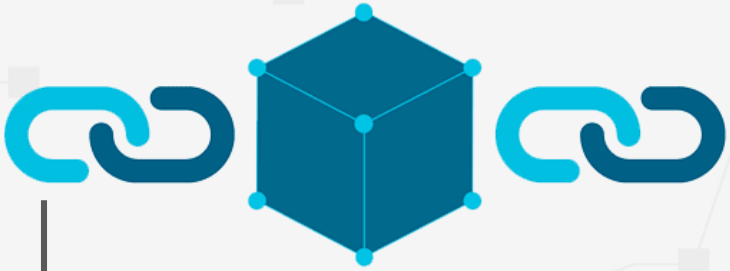
基于区块链的分布式云计算

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



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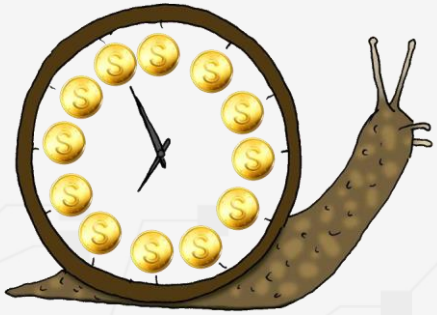
贵、慢



复杂计算

iExec 算工池 (链下)

开发者工具

iExec SDK

安装命令行程序 :

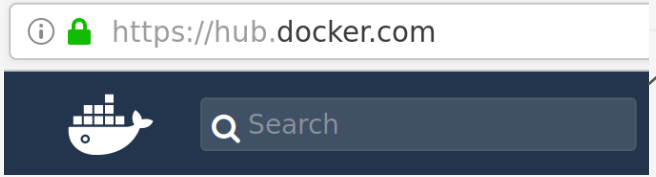
npm -g install iexec

或者

docker pull iexechub/iexec-sdk

部署你的APP

1. dockerize it!
链下

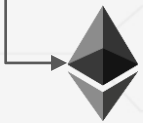


2. deploy it!
链上

iexec.json

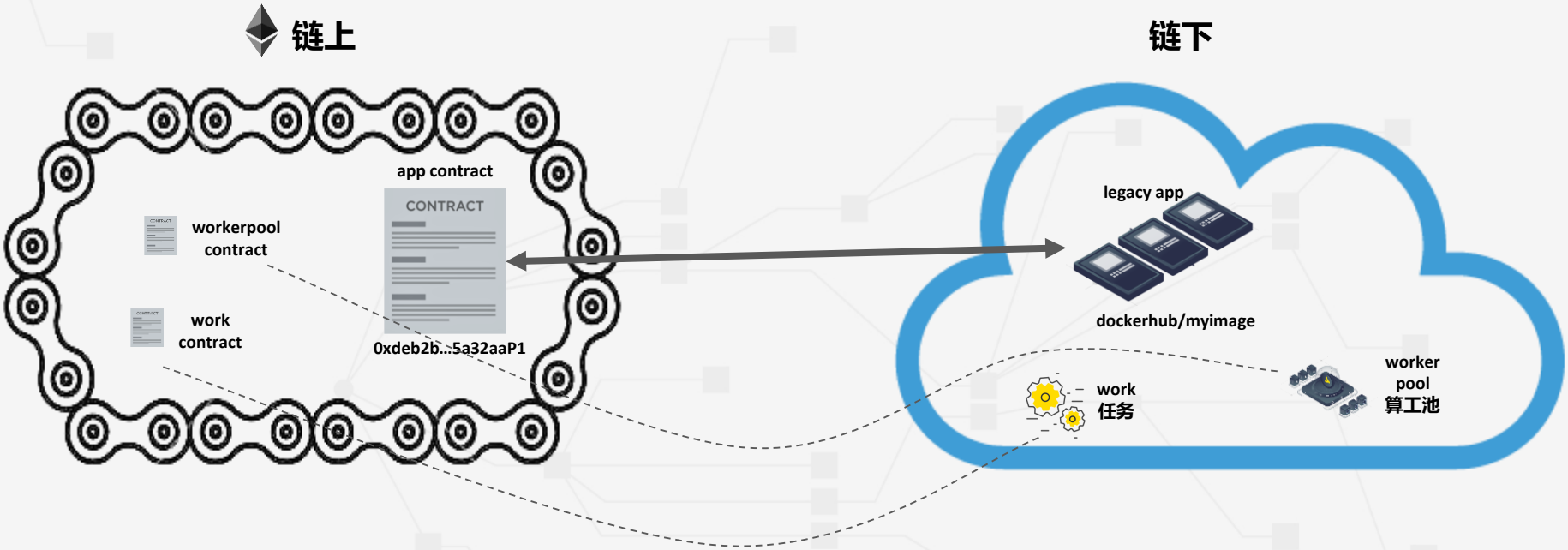
```
"app": {
  "name": "my app name",
  "price": 0,
  "params": {
    "type": "DOCKER",
    "envvars": "XWDOCKERIMAGE=myorg/myapp"
  }
},
```

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



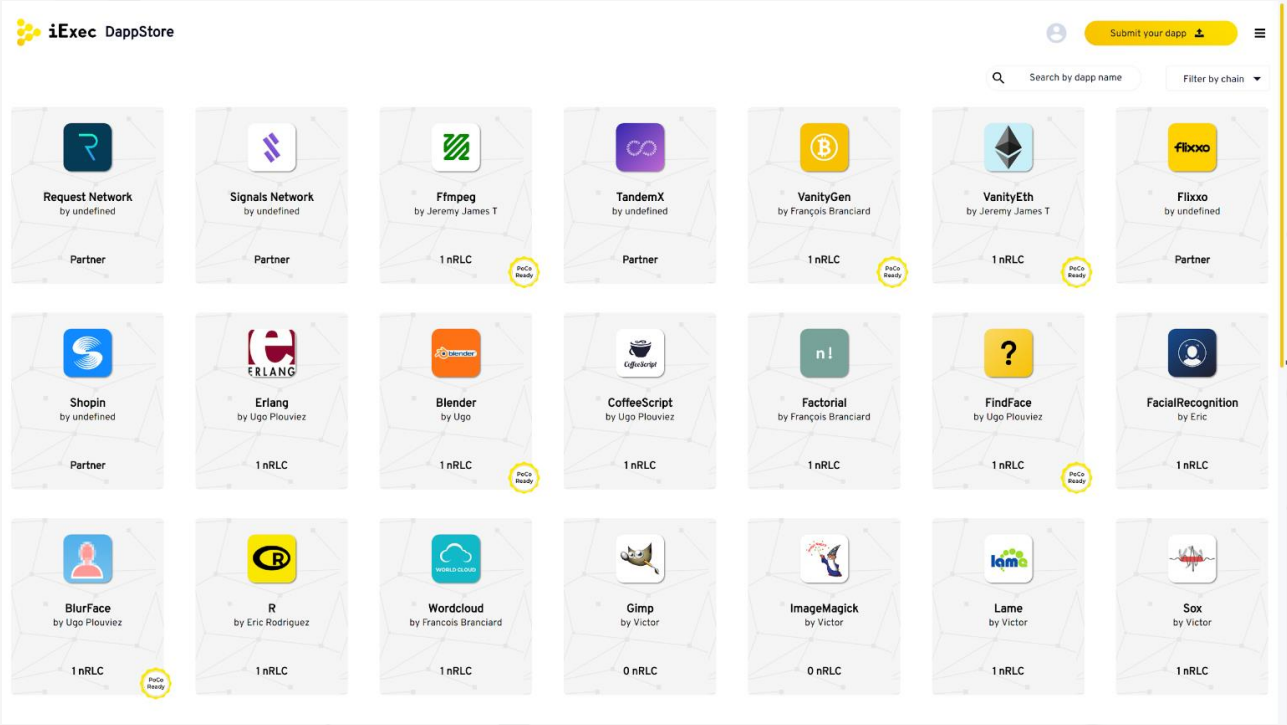
0xdeb2b....5a32aaP1

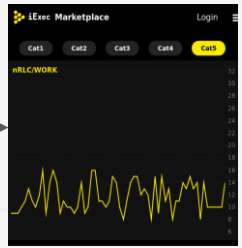
链上 / 链下 资源对应


链上
链下
app contract
CONTRACT
workerpool
contract
work
contract
0xdeb2b...5a32aaP1
legacy app
dockerhub/myimage
work
任务
worker
pool
算工池

Pro Tip: 怎么上iExec Dapp Store

https://dapps.iex.ec



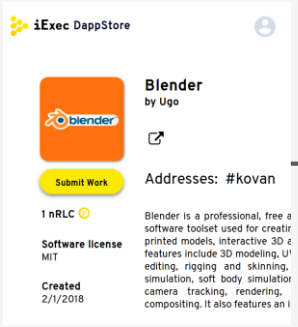


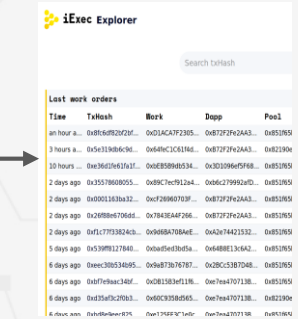
在这儿提条你的App：

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

买低价计算资源

https://market.iex.ec

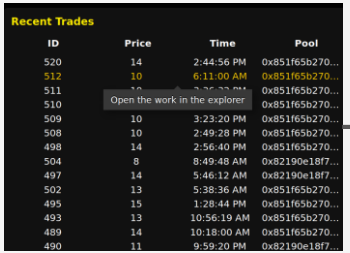


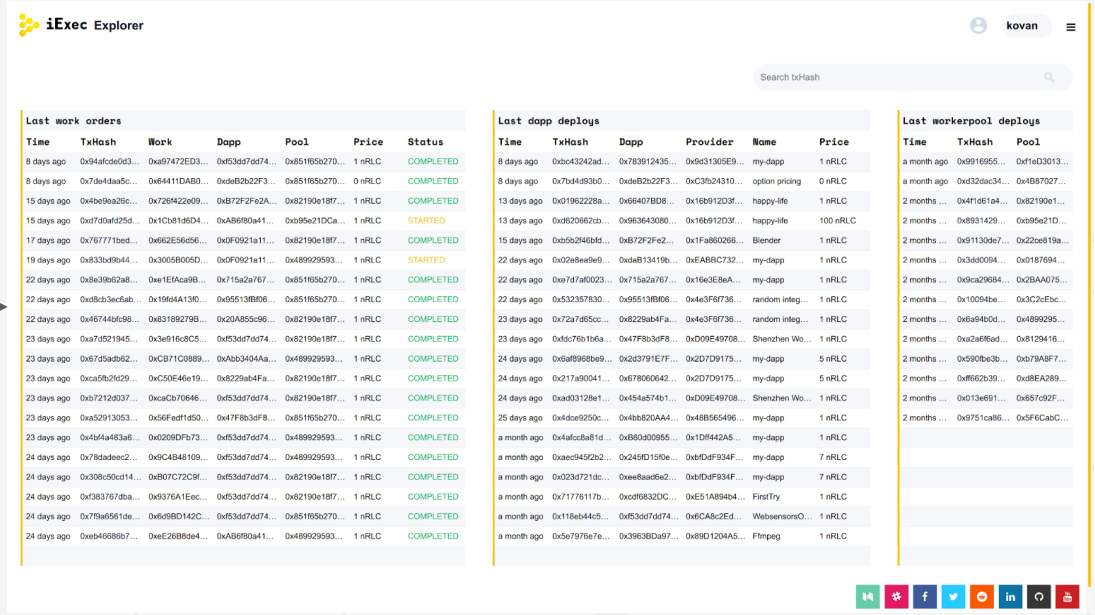


= Order ID + Dapp Address + Work Params +

浏览iExec平台状态

https://explorer.iex.ec

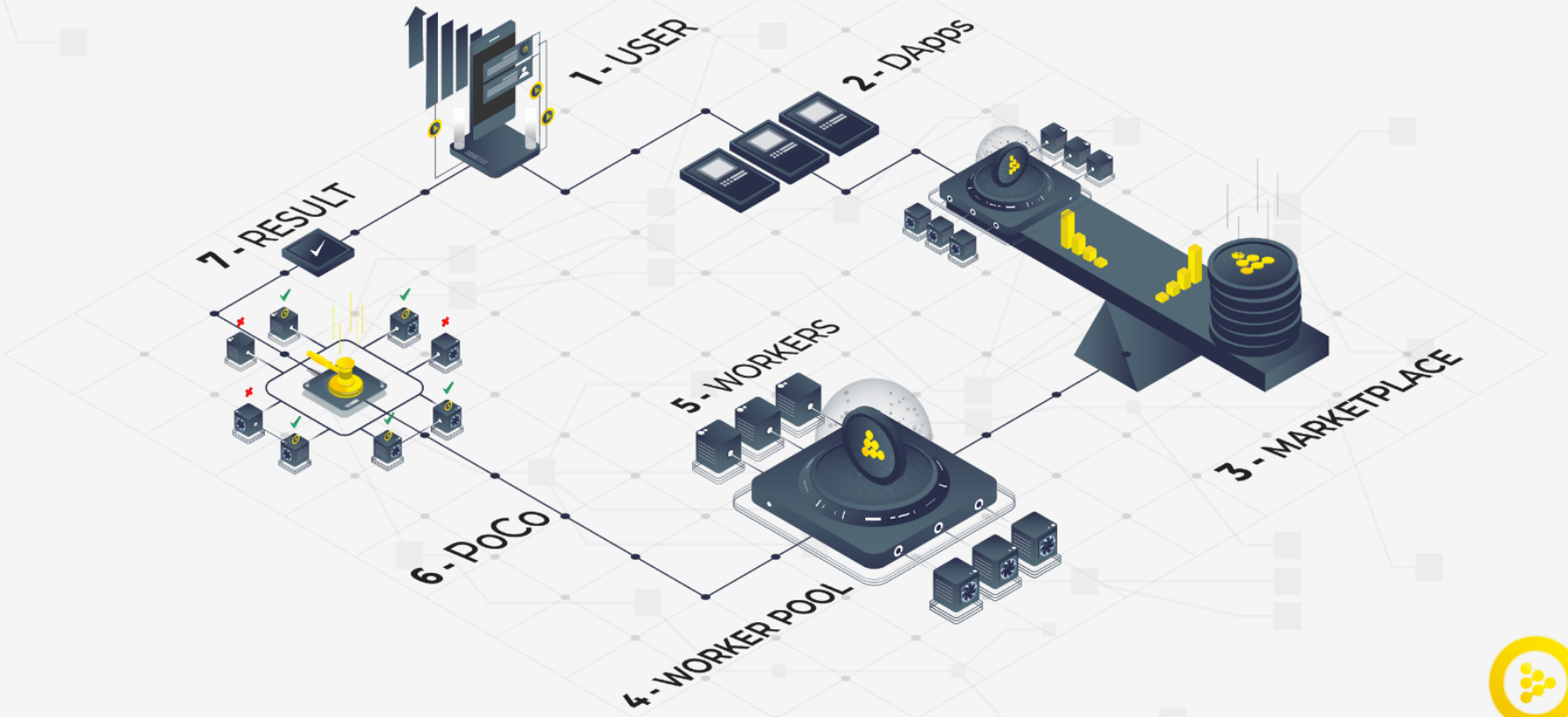




iExec SDK也提供浏览功能：

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

iExec生态系统全局



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官网 https://iex.ec

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成都开发者社群