

bitwrk.net



A Bitcoin-friendly, anonymous marketplace for computing power.

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# Do you use 3D rendering software?

- Maya, 3DS MAX...
- Blender?
  - Free
  - GPL
  - Incredibly powerful!



A fluffy, brown and black cat is lying on its back on a concrete surface, looking relaxed. The cat's fur is a mix of dark brown, black, and light brown. It is positioned in the center of the frame, with its body angled towards the top right. The background is a light-colored concrete surface with some fallen leaves and a shadow of the cat's body cast onto it.

Do you suffer from long  
rendering times?

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# What if? ...

- Massive compute power was available?
- ...on demand??
- ...as a peer-to-peer service???

# But wait, there's

- The Cloud™ (EC2)
  - ... but it's too low-level to be **easy**.
- BOINC (SETI@home, distributed.net)
  - ... but you can't get **your** problem solved with it
- Commercial render farms
  - ... but they're **expensive** and often subscription based

# Enter: BitWrk



A Bitcoin-friendly, anonymous marketplace for  
computing power

- BitWrk is **easy**:
  - No need to manage servers
- BitWrk solves **your** problem:
  - Because you offer payment
- BitWrk is **cheap**:
  - Only pay for what you use



BitWrk is  
peer-to-  
peer!

Have your  
computer  
work for  
the net.

For  
Bitcoin.

# BMW1M-MikePan.blend

File Render Window Help Default Scene 2 BitWrk distributed rendering Render



View Image

Render Result

2

F

+

Slot 2

View

+

X

Slot 2

▼

Render



Y: 1.000 Time Remapping:

Border

Crop

Old: 100 New: 100

Stamp

Output

Sampling

Volume Sampling

Light Paths

Motion Blur

Film

Performance

Post Processing

Bake

BitWrk distributed rendering

Local BitWrk client host and port:

localhost

8081



Open BitWrk Client User Interface

Complexity:

0.5 Giga-rays

Article id:

net.bitwrk/blender/0/2.71/512M

Concurrent tiles:

6

Boost factor:

2.19

⚠ A boost factor greater than 1.0 makes rendering more expensive!

Choose rendering mode

Home - BitWrk Client

localhost:8081

Welcome to BitWrk! Your account ID is:  
1MwvTNehPz7U6XYnGh1G7LVPAN3GFq6JR  
You are connected to: http://bitwrk.appspot.com/

+Blocked uBTC 874.32  
mBTC 38.67633

bitwrk

Home Account

## Activities

BUY net.bitwrk/blender/0/2.72/2G uBTC 340

BUY net.bitwrk/blender/0/2.72/2G uBTC 340

BUY net.bitwrk/blender/0/2.72/2G uBTC 340

BUY net.bitwrk/blender/0/2.72/2G uBTC 26  
» Bid » Tx  
TRANSMITTING

BUY net.bitwrk/blender/0/2.72/2G uBTC 26  
» Bid » Tx  
TRANSMITTING

BUY net.bitwrk/blender/0/2.72/2G uBTC 340  
» Bid  
PLACED

BUY net.bitwrk/blender/0/2.72/2G uBTC 26  
» Bid » Tx  
TRANSMITTING

BUY net.bitwrk/blender/0/2.72/2G uBTC 340  
» Bid » Tx  
TRANSMITTING

BUY net.bitwrk/blender/0/2.72/2G uBTC 100

## Workers

blender-62383 Work dispatched Stop  
net.bitwrk/blender/0/2.72/2G

## Mandates

SELL uBTC 100 Revoke  
net.bitwrk/blender/0/2.72/2G  
Trades left: 99



An Open Marketplace for Computing Power.

## Buy

Accelerate your work by harnessing the computing power of the crowd, when you need it.

## Sell

Monetize your hardware by providing computing power to the crowd in times of low workload.

## Trade

Pay and get paid in Bitcoin, the independent, decentralized Internet currency.

[Download BitWrk for Win/Mac/Linux](#)

indyjo/bitwrk

GitHub, Inc. [US] https://github.com/indyjo/bitwrk

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indyjo / bitwrk

Unwatch 7 Unstar 37 Fork 8

A Bitcoin-friendly, Anonymous Marketplace for Computing Power — Edit

209 commits 3 branches 9 releases 3 contributors

branch: master + bitwrk / +

Render deposit address as QR-Code. (#96)

indyjo authored 22 days ago latest commit e90d36c616

| File                               | Description  | Time          |
|------------------------------------|--|---------------|
| artwork                            | Initial Open Source release.   | a year ago    |
| bitwrk-blender                     | Bumped version to 0.4.1  | 2 months ago  |
| bitwrk-server/src/github.com/in... | Accounts start with zero balance now (fixes #98)                         | 22 days ago   |
| documentation                      | Documentation: Add howto for preparing a release                         | 4 months ago  |
| share/bitwrk-client                | Render deposit address as QR-Code. (#96)                                 | 22 days ago   |
| src                                | Accounts start with zero balance now (fixes #98)                         | 22 days ago   |
| .gitignore                         | Infrastructure: Change project structure so compiling is easier and G... | 11 months ago |
| .gitmodules                        | bitwrk-common is now a submodule (#95)                                   | 2 months ago  |
| .project                           | First steps towards a modularization of BitWrk (#95)                     | 2 months ago  |
| .travis.yml                        | Adapted .travis.yml (#95)  | 2 months ago  |
| ABOUT.md                           | Refactored documentation (#95)   | 2 months ago  |
| BitWrk Client.launch               | Infrastructure: Change project structure so compiling is easier and G... | 11 months ago |
| COMPILING.md                       | Refactored documentation (#95)   | 2 months ago  |
| CONCEPTS.md                        | Refactored documentation (#95)   | 2 months ago  |

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