World Compensation System (WCS)

Keywords: #2020, #Blockchain, #InternetOfValue, #RSK, #DeFi, #DeFi-App, #DFApp, #wcsDFApp

Classification: DeFi : EcoSystem : @rif_os : Version: 0.0.1 (2020-01-15)

Status: in work

Purpose

Simple. Eliminate money invisibility.

User-story

I dare you to throw out all your money, all your papers and coins and individual national currencies, and start over.

Develop an international monetary system that is wide open, totally visible, immediately traceable, completely accountable. Establish a Worldwide Compensation System by which people would be given Credits for services rendered and products produced, and Debits for services used and products consumed.

Under the new Worldwide Compensation System, WCS, the transfer of Debits and Credits would be immediate and totally visible. That is, anybody and everybody could inspect the account of any other person or organization at any time. Nothing would be kept secret, nothing would be 'private'

Everything would be on the system of Credits and Debits. Returns on investments, inheritances, winnings of wagers, salaries and wages, tips and gratuities, everything. The WCS would deduct 10 percent of all earnings each year from the income of those voluntarily requesting such a deduction. Everyone in the society would be able to observe who was choosing to offer the 10 percent for the general good of all, and who was not. And everyone's records would be open to everyone else. And nothing could be purchased without Credits. There would be no other negotiable currency. ([source:#CWG, @realNealWealsh](http://ISBN))

Short-name: WCS, DeFiApp, wcsDFApp

Disclaimer: All quoted phrases are verbatim copies found at Conversations with God. Book Two (see Bibliography)

Bibliography: - Conversations with God (c) 1997 Neale Donald Walsch. ISBN 978 0 340 76544 9

Use-cases

- Value creation (energy-flow)
- Development of services
- Production or products
- Labour/Work

Extended Use-cases

• Energy eXchange

Decentralised Finances (DeFi)

- Taxation
- Borrows/Loans

Community

 $\bullet \quad [@WorldCompensationSystem~(Twitter)] (https://twitter.com/WorldCompensationSystem)\\$

License

Code is under the The Unlicensed. Documentation is under the Creative Commons Attribution license.

Contributing

Please read our Contribution Guide and [Code of Conduct]

Donations

BTC-Address: | 0x123..0000

Whitepaper

Table-of-contents

Operating (Eco-)System Concept

1. wcsO(E)S - WCS Operating Eco-System

- 1. Platform
- 2. Use-cases
 - 1. Notation
 - 2. Welcome home
 - 3. Help
 - 1. View description manual
 - 4. User management
 - 5. File-System (Minimum commands)
 - 1. Present working directory (pwd)
 - 2. Listing files (ls)
 - 6. Applications, Services, Commands and Tools
 - 1. Running local tool system-service
 - 2. Running local command system-service
 - $3. \ \, {\rm Running\ local\ user-application}$
 - 4. Running remote user-application
 - 5. Commands
 - 6. Tools
 - 7. Local Services
 - 1. Financial
 - 2. Asset Management
 - 8. Value Operations
 - 1. Transactions
 - 9. Distributed Services
 - 10. Group citizenship
 - 11. Work Get Idle Task (according to current citizenship)
 - 12. Donate
 - 13. Contribute to Nation's taxes
 - 14. Value Creation (out-of-thin-air)
 - 15. Credits
 - 16. Value Transfer Request for service
 - 17. Value Transfer Investment
 - 1. Communities
 - 18. Running DApplication in debug-mode
 - 19. User-management
- 3. User-Application development
 - 1. DApplication development help
- 4. Returning home
- 5. Lend User-service
- 6. Claim lend User-service
- 7. Borrow service ## (Eco-)System Application notes

homeland\$

homeland\$help

homeland\$man ver

homeland\$ver

homeland\$home

homeland\$user create user1

homeland\$pwd

homeland\$1s

homeland\$stat

homeland\$cmd1 --verbose

homeland\$app1 --verbose

homeland\$dapp1 --verbose

homeland\$commands

homeland\$tools

homeland\$apps

homeland\$wallet

homeland\$credits

homeland\$debts

homeland\$assets

homeland\$send 2 user1

homeland\$credit tetris

homeland\$neighborhood

homeland\$discover

homeland\$connect

homeland\$1s

homeland\$1s nations

homeland\$citizen

homeland\$citizen federation1

homeland\$idle federation1

homeland\$donate -idle neighborhood

homeland\$tax 8

homeland\$offer -idle federation1

homeland\$offer 8

homeland\$offer 6

homeland\$credits

 $\verb|homeland$tetris|$

homeland\$credits

homeland\$invest kernel.org 2

homeland\$assets --all

homeland\$1s communities

homeland\$greetings community1 me --verbose

homeland\$offers

homeland\$accept 1

homeland\$credits

homeland\$value dapp1

homeland\$dapp1 --verbose --debug

homeland\$login

homeland\$

homeland\$1s

homeland\$rate dapp1 ***

homeland\$SMS user1

homeland\$share dapp1 user1 2

```
homeland$lend dapp1 homeland$claim dapp1
```

Applications

```
/apps:
```

```
/apps/App1 -- Local App1 executable
/apps/<Domain>/App1/spec -- (external) interface specification
/apps/<Domain>/App1/src -- source code
/apps/<Domain>/App1/test -- test
```

List of supported Application(s)

- wcsUTelnet Telnet (status: planned)
- wcsPFtp wcs:Protocol interpreter : File-Transfer (status:planned)
- wcsPHtpp HTML eXchanger (status:planned)

 $\begin{tabular}{ll} \textbf{Dependencies} & /lang - implementation language specific files \\ \end{tabular}$

Application Notes

Digital signatures

49bf9fabbb31ca80119c72109b914708 ./apps/README.md

Document	MD5-Checksum
README.md	$49 bf 9 fabbb 31 ca 80119 c 72109 b 914708 \ apps/README.md$

Distributed Apps

```
/dapps:
```

```
/dapps/DApp1 -- Distributed App1 executable
/dapps/<Domain>/DApp1/spec -- (external) interface specification
/dapps/<Domain>/DApp1/src -- source code
/dapps/<Domain>/DApp1/test -- test
```

List of native DFApp(s)

- wcsDFAppDeductor {src, dst} Deduces 10% from src monthly into dst (status: planned)
- wcsDFAppTemplate WCS network DFApp Template (status: planned)

List of registered third-party DFApp(s)

Application Notes

Digital signatures

 ${\tt 8bac8aaca025fbaed5d9753a66a1b7cd} \qquad ./{\tt dapps/README.md}$

Document	MD5-Checksum
README.md	$8 bac 8 aaca 0 25 fbaed 5 d9753 a 66 a 1 b 7 cd\ dapps/README.md$

Commands

/commands:

/commands/Cmd1 -- Command1 executable
/commands/Cmd1/spec
/commands/Cmd1/src

List of supported Commands(s)

• wcsUStatus - Echo (status:planned)

Application Notes

Digital signatures

edf88082867feb04d7cd8796b39561a3 ./commands/README.md

Document	MD5-Checksum
README.md	$edf88082867 feb04d7cd8796b39561a3\ commands/README.md$

Operations

/operations: #### Digital signatures

 $88c2dd22668d96cb2232b8c136cbd982 \quad ./operations/README.md$

Document	MD5-Checksum
README.md	$88c2dd22668d96cb2232b8c136cbd982\ operations/README.md$

Tools

/tools:

List of native (off-the-shelf) Tool(s)

- wcsUPing wcs:Util : Ping (status:planned)
- wcsUEcho Echo (status:planned)

Application Notes

Digital signatures

d89cf07d2b13a22deec08c0c4ed9266e ./tools/README.md

Document	MD5-Checksum
README.md	$d89cf07d2b13a22deec08c0c4ed9266e\ tools/README.md$

Services

/services:

List of supported System-Service(s)

- wcsServer - World Compensation System server (status:
 planned)#### Digital signatures

086f662610232b3d3c823e5af2138bce ./services/README.md

Document	MD5-Checksum
README.md	$086 f 66 26 1023 2 b 3 d 3 c 823 e 5 a f 2138 b ce\ services/README.md$

Architecture

/arch:

Concept

Create a World Compensation Ecosystem based on Decentralised Financial Applications.

Implementation: Operation System (including fs, dfs, time-shared applications) wcsOS – linux based distribution

Layers: 1. Distributed peer-2-peer (P2P) Network (Blockchain based) 1. Distributed File system (dfsWcs) 1. Nodes are Servers 1. Servers 1. run System- and Users-services 1. route User- and System- interactions (transactions) 1. Users are Clients 1. Clients decide to participate or not (mounting/unmounting) as service suppliers in the network 1. Clients interact with other Clients 1. Clients request services from Servers (service suppliers) 1. Via Remote Procedure Call (RPC) returning values in JSON format 1. Clients transfer value-assets to single or multiple-users or services 1. Light-Clients connect and use the network only for short-time (SMS, PPP) 1. Value-assets are represented via Addresses in the Distributed File system 1. Clients and Servers interact via read/write file operations with eachother 1. Servers providing User-services are debted certain agreed amount per-use 1. Servers providing System-services are debted an agreed amount per-use, daily, monthly or yearly on donation basis

Network

Topology: Flower or Tree-of-Life (sacred geometry star 1:N, N:=6) * https://en.wikipedia.org/wiki/Overlapping_circles_grid#Modern_usage

Nodes:

Full-nodes: store the complete history of command-blocks (analog to batch-files (a.k.a translight-nodes: store, validate and reconstruct environment from all nodes in local network (or

Local File-system

Refer to /arch/fs

Remote (distributed) File-system

Refer to /arch/dfs

Realisation

TCP/IP Server :port UNIX's "Everything is a File" -> (name:Address) - Network (distributed) File-System

Support Tools

- neo4j Graph Database
- jslinux Web-Browwer Linux

- 128-bit OS 128-bit RISC OS
- quickjs Embeddable Javascript engine

Refer to support tools.

Network Startup

\$wcsStart &
World Compensation System server (wcss) running
Listening on port:280182

\$wcsStatus
Status: OK

Command, Services and Tools

- bin Local commands, services and tools
- dbin Distributed (Remote) user-commands and user-tools

Application Notes

- apps Local commands, services and tools
- dapps Distributed (Remote) User-services #### Digital signatures

98b26c87b00660ea619e96fdb6a67885 ./arch/README.md

Document	MD5-Checksum
README.md	$98b26c87b00660ea619e96fdb6a67885\ \operatorname{arch/README.md}$

Whitepaper – WCS - published by: wcs:root : Sat Jan 18 19:13:05 CET 2020 ## 2020 (CC) Creative Common License c5c11bb0d053c683b9c801b36b85f6e7 ./whitepaper/wcsOES.md #### Digital signatures

d89cf07d2b13a22deec08c0c4ed9266e 2002ca1741c76f6377bbeeee61871f2c 6eec0042d8bf26b963570b205d79b536 280c5c21a52eb71acd378440842d4242 3582056e21f163e556a92a29f26da4bc 8bac8aaca025fbaed5d9753a66a1b7cd ca8f6611e7334b5878a412f6908fab36 c5c11bb0d053c683b9c801b36b85f6e7 d3777eb628218cf79d50e576d5c95bbd d543aeb6f75da906128901d27842090b 88c2dd22668d96cb2232b8c136cbd982

- ./tools/README.md
- ./dbin/README.md
- ./bin/README.md
- ./networking/README.md
- ./GLOSSARY.md
- ./dapps/README.md
- ./whitepaper/platform.md
- ./whitepaper/wcsOES.md
- ./whitepaper/customer.md
- ./whitepaper/README.md
- ./operations/README.md

48c685a2b7ba37bae2978555f0faac77 94063115eb82858ccfd15ef5a3b21814 68f05ceb68281268217108fb55876082 5cd4aa50a1a9f8d1b46b0b63c9d82e27 9c060f1741bc37163838ead55b73c8ab f16bab90fe5bf837c86b04e89f7dbb86 2eaaf2bbe0e2dae25cbc17345d4ba75a bdb604d4b1a062ad395e255c5fe46ca6 b6a84991d4f8957e69ccfd6d3e935e02 98b26c87b00660ea619e96fdb6a67885 beb28c51736bf8eb435fbc02654657f6 1c309bf14fbd49d5afcfac8da0635b5b edf88082867feb04d7cd8796b39561a3 49bf9fabbb31ca80119c72109b914708 a3c6c1e9fbc0dd9e6723f73f7402b08a 086f662610232b3d3c823e5af2138bce

- ./README.md
- ./project/integration.md
- ./project/deployment.md
- ./project/CONTRIBUTING.md
- ./project/workproducts.md
- ./lang/README.md
- ./lang/c/README.md
- ./arch/dfs/README.md
- ./arch/dfs/dFSwcs/README.md
- ./arch/README.md
- ./arch/fs/README.md
- ./users/README.md
- ./commands/README.md
- ./apps/README.md
- ./services/wcsServer/README.md
- ./services/README.md