

Whitepaper - WCS - published by: wcs:root : Sat Jan 18 18:31:33 CET 2020 #  
World Compensation System (WCS) **Keywords:** #2020, #Blockchain, #Inter-  
netOfValue, #RSK, #DeFi, #DeFiApp, #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 re-  
questing* 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 Cred-  
its. 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

- Typical Use-cases and User-workflow

## Community

- [[@WorldCompensationSystem \(Twitter\)](https://twitter.com/WorldCompensationSystem)](https://twitter.com/WorldCompensationSystem)

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## Contributing

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BTC-Address: | 0x123..0000 |

# Whitepaper

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```

homeland$
homeland$help
homeland$man ver
homeland$ver
homeland$home
homeland$user create user1
homeland$pwd
homeland$ls
homeland$stat
homeland$cmd1 --verbose
homeland$app1 --verbose
homeland$dapp1 --verbose
homeland$commands
homeland$tools
homeland$app
homeland$wallet
homeland$credits
homeland$debts

```

```

homeland$assets
homeland$send 2 user1
homeland$credit tetris
homeland$neighborhood
homeland$discover
homeland$connect
homeland$ls
homeland$ls 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$credits
homeland$tetris
homeland$credits
homeland$invest kernel.org 2
homeland$assets --all
homeland$ls communities
homeland$greetings community1 me --verbose
homeland$offers
homeland$accept 1
homeland$credits
homeland$value dapp1
homeland$dapp1 --verbose --debug
homeland$login
homeland$
homeland$ls
homeland$rate dapp1 ***
homeland$SMS user1
homeland$share dapp1 user1 2
homeland$lend dapp1
homeland$claim dapp1

```

## Applications

/apps: ### Applications

```

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

```

**List of WCS Application(s) (status:*in-work*)** /apps/: \* wcsUTelnet - Telnet wcsPFtp - wcs:Protocol interpreter : File-Transfer wcsPHttp - HTML eXchanger

**Dependencies** /lang - implementation language specific files #### Digital signatures

c2bf4fc7bf438106c12f307afd337811 ./apps/README.md

Document	MD5-Checksum
README.md	c2bf4fc7bf438106c12f307afd337811 apps/README.md

### **Distributed Apps (status:*in-work*)**

/dapps: ### Distributed Apps (status:*in-work*)

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

**List of WCS DFApp(s) (status:*in-work*)** /dapps/: \* wcsDFAppDeductor {src, dst} - Deduces 10% from src *monthly* into dst

- wcsDFAppTemplate - WCS network DFApp Template #### Digital signatures

2dfccc42d70768a23f6464cb7940915a ./dapps/README.md

Document	MD5-Checksum
README.md	2dfccc42d70768a23f6464cb7940915a dapps/README.md

### **Commands (status:*in-work*)**

/commands: ## Commands (status:*in-work*)

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

## List of WCS Commands(s) (status:*in-work*)

- wcsUStatus - Echo

## Application Notes

### Digital signatures

904c01d929ce8597189d60c971d93641 ./commands/README.md

---

Document	MD5-Checksum
README.md	904c01d929ce8597189d60c971d93641 commands/README.md

---

## Operations

/operations: ## Operations #### Digital signatures

88c2dd22668d96cb2232b8c136cbd982 ./operations/README.md

---

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

---

## Tools

/tools: ## Tools

## List of off-the-shelf Admin Tool(s) (status:*in-work*)

- wcsUPing - wcs:Util : Ping
- wcsUEcho - Echo #### Digital signatures

aba20cefd0503d8c5efaeac7c77680f5 ./tools/README.md

---

Document	MD5-Checksum
README.md	aba20cefd0503d8c5efaeac7c77680f5 tools/README.md

---

## Services

/services: ### Services

### List of wcsOS System-Service(s) (status:*in-work*)

- wcsServer - World Compensation System server ##### Digital signatures

7c604d049c674a6ef8ff531ebcdc7191    ./services/README.md

Document	MD5-Checksum
README.md	7c604d049c674a6ef8ff531ebcdc7191 services/README.md

## Architecture

/arch: ## Architecture

### 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](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 transactions))  
Light-nodes: store, validate and reconstruct environment from all nodes in local network (or

## Local File-system

```
/ - WCS root Ecosystem
/commands
/dbin/ - Decentralised System services
/users/ - connected user addresses {publickey:addresshash:alias:inbox} (analog to /mnt)
/apps
/lang - implementation language specific files
/tools - Utility tools
/dapp/ - Decentralised User or Third-Party Applications (executable -- analog to /usr/bin)
```

## Remote (distributed) File-system

```
/arch/dfs
/dapp/DeFi/ - Decentralised Financial Apps
```

## 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 (wcscs) 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

61c2223045284a14e903089d266c04c6 ./arch/README.md

Document	MD5-Checksum
README.md	61c2223045284a14e903089d266c04c6 arch/README.md

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c5c11bb0d053c683b9c801b36b85f6e7 ./whitepaper/wcsOES.md ##### Digital signatures

aba20cefd0503d8c5efaeac7c77680f5 ./tools/README.md  
dc2c8698da44a75bdd5c19efd0860213 ./dbin/README.md  
d47693b9acb4e93021125f2c7a3d36f2 ./bin/README.md  
49a5c547537d2c6a77e17d08d62bd5e2 ./networking/README.md  
3582056e21f163e556a92a29f26da4bc ./GLOSSARY.md  
2dfccc42d70768a23f6464cb7940915a ./dapps/README.md  
ca8f6611e7334b5878a412f6908fab36 ./whitepaper/platform.md  
c5c11bb0d053c683b9c801b36b85f6e7 ./whitepaper/wcsOES.md  
d3777eb628218cf79d50e576d5c95bbd ./whitepaper/customer.md  
3d1317062fb84eaf6fdeb52d578bfce9 ./whitepaper/README.md  
88c2dd22668d96cb2232b8c136cbd982 ./operations/README.md  
4e57eedfde6cb02c52aec8be79b015c9 ./README.md  
94063115eb82858ccfd15ef5a3b21814 ./project/integration.md  
68f05ceb68281268217108fb55876082 ./project/deployment.md  
5cd4aa50a1a9f8d1b46b0b63c9d82e27 ./project/CONTRIBUTING.md  
9c060f1741bc37163838ead55b73c8ab ./project/workproducts.md  
f16bab90fe5bf837c86b04e89f7dbb86 ./lang/README.md  
2eaa2bbe0e2dae25cbc17345d4ba75a ./lang/c/README.md  
5fe7603d97b3315406ce7c051f273a3e ./arch/dfs/README.md  
b6a84991d4f8957e69ccfd6d3e935e02 ./arch/dfs/dFSwcs/README.md  
61c2223045284a14e903089d266c04c6 ./arch/README.md  
c4feafee3b3e1969bc45b3fc9f2575ee ./arch/fs/README.md  
1c309bf14fbd49d5afcfac8da0635b5b ./users/README.md  
904c01d929ce8597189d60c971d93641 ./commands/README.md  
c2bf4fc7bf438106c12f307afd337811 ./apps/README.md  
a3c6c1e9fbc0dd9e6723f73f7402b08a ./services/wcsServer/README.md  
7c604d049c674a6ef8ff531ebcdc7191 ./services/README.md