



**De Facto**  
Factom Developer

Commitment to the Protocol

# Software development

## 1 **Fct.tools — Factom Testnet Monitoring via Swarm**

<https://fct.tools>

- Service checks testnet nodes via Swarm and control panel port
- Service checks testnet nodes load (CPU/memory) and log it
- Service sends alerts for node owners via Telegram bot to “Factom Testnet” channel

## 2 **Factom open-source API (draft project)**

[https://docs.google.com/document/d/1bVjWh6Xnnnc4dB6vKgpuqBFVwh3IcXtY4BYkLLN\\_3VQ](https://docs.google.com/document/d/1bVjWh6Xnnnc4dB6vKgpuqBFVwh3IcXtY4BYkLLN_3VQ)

- Thought out the basic principles and architect of open-source API
- Described API functions

This project is in draft and will be improved prior next grant election.

## 3 **Factom IP Monitoring script**

<https://github.com/ilzheev/factom-ip-monitoring>

Open-source monitoring script for factom nodes via control panel port

## 4 **Apollo PHP library**

<https://github.com/ilzheev/factom-apollo-php...>

Simple PHP library for Factom Apollo

# Factom usage in real world

## 1 Test integration with Russian developer of commercial realty

De Facto settles the test integration agreement with shopping mall & its management company.

Currently we are exploring how Factom may be integrated into existing software:

1. Store and audit financial data
2. Factomize mall attendance records
3. Control timely response to incoming letters
4. Keep security data immutable

## 2 We described this experience in Medium article

[https://medium.com/@de\\_facto/how-can-shopping-centers-get-benefit-from-using-distributed-immutable-ledger-ae340412bd03](https://medium.com/@de_facto/how-can-shopping-centers-get-benefit-from-using-distributed-immutable-ledger-ae340412bd03)

Hope it will be useful for other entities who provides BaaS ;)

## 3 [www.factom.ru](http://www.factom.ru) — Factom Russia

*Currently in dev.* The website for Russian business and investors. Protocol description, usage cases and useful information that will help to distribute Factom in Russia.

# Running Testnet Nodes

## 1 Running 3 Testnet nodes since Feb 2018 till now

Running from Feb 2018 till now.

No incidents. High uptime. Timely updates.

Tested identity generation, coinbase/efficiency set, brain-swapping.

Our nodes: DeFacto-Testnet1 + DeFacto-Testnet2 + DeFacto-Testnet3

# Testnet Administer

## 2 Testnet Deputy Admin since May 2018 till now

Anton Ilzheev assigned as Deputy Admin in May 2018.

### Responsibilities:

- Checking testnet nodes healths and investigating the problems
- Onboarding/help testnet operators
- Supporting & improving Swarm Testnet monitoring