

Members' Update

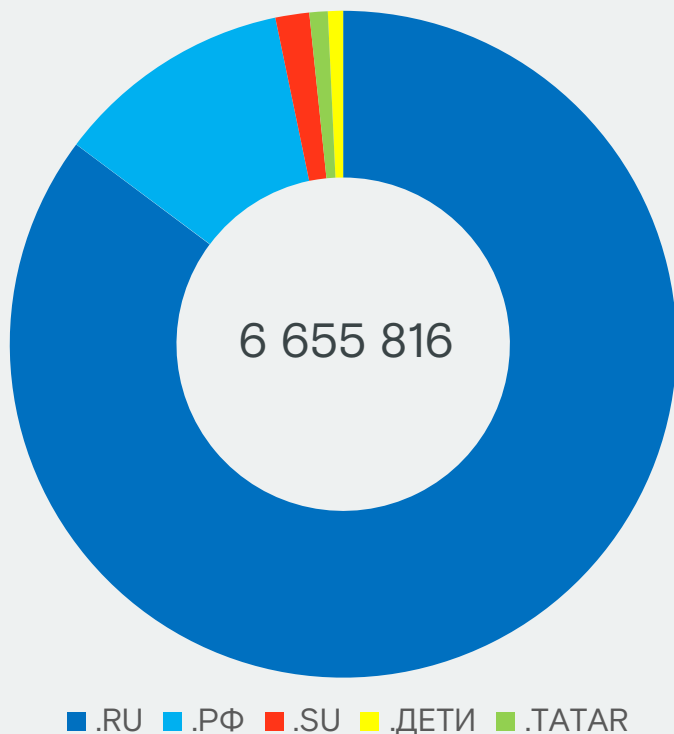
Alexey Rogdev

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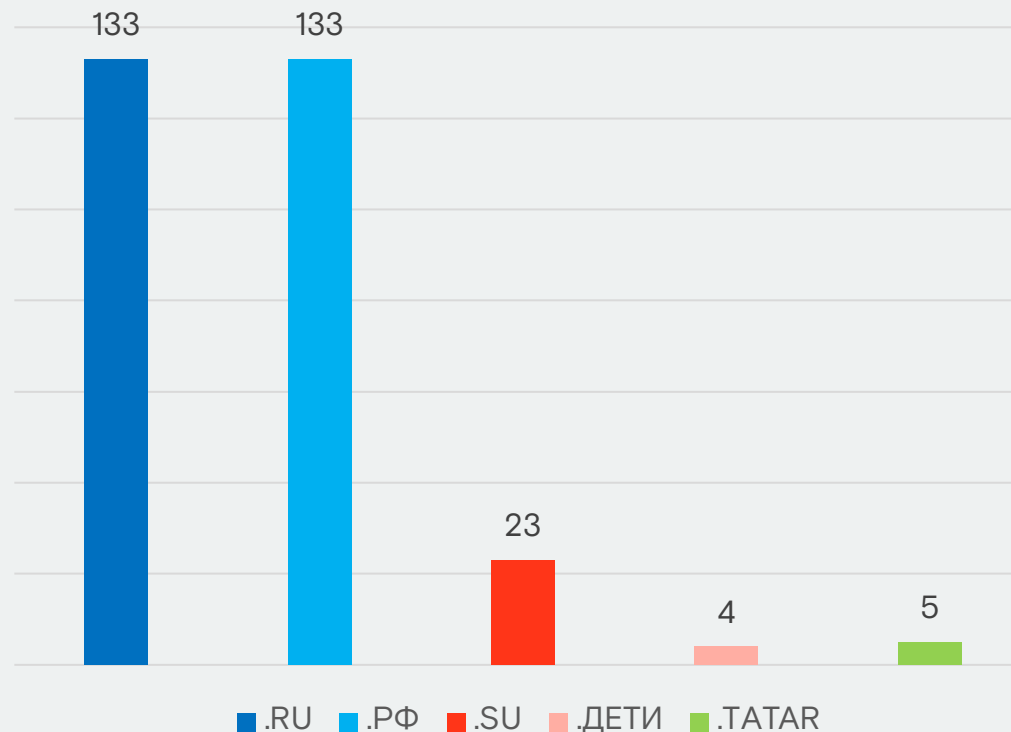
The Technical center of Internet

Successor of the previous technical center, started activity in 2018

Number of domain names*



Number of Registrars*



The Technical center of Internet

ccTLD statistics

<https://statdom.ru/>



TLS Certification Authority

<https://tlscc.ru/>



Host settings audit tool

<https://audit.statdom.ru/>



Background



Complicated
domain name
registration **rules**
in .RU, .PФ, .SU



Domain name
registration system
based on **proprietary**
software (Oracle
ecosystem)



Migration to
solutions developed
in Russia



Focus on
information
security

**New Domain name
registration system based
on open source software**



Proprietary software

- + Technical support
- + Good quality SW and HW
- Vendor lock
- High operational cost

Investing money in their brains

Open source software

- + Variety of instruments
- + Community support
- + No direct software expenses
- + Commodity HW
- + Non-financial motivation for staff
- High staff qualification required

Difficult, but interesting – investing in our own brains

Migration project

1. **Team and staff** enlargement
2. Developing **new software** and maintaining the **existing platform** at the same time
3. Every solution must be tested – **high QA**
4. Implementation of modern **SDLC**



Start – Q1 2019

Finish – Q1 2024 (planned)

TLD as critical information infrastructure



- TLD – essential Internet infrastructure
- Law on security of critical information infrastructure in Russia (since 2017/07/26): information systems of nuclear power plants and etc.
- In reality: any abnormal situation → recognition of information system as critical information infrastructure
- Regulations: additional requirements on information security and accessibility
- For TLD: critical factor – DNSSEC procedure

Influence on Migration project

Additional regulatory requirements:

- + Critical information infrastructure requirements
- + Secure Software Development requirements (implementation of Secure SDLC processes)



Start – Q1 2019

Finish – Q1 2024 (planned) → **Q2 2025 (planned)**



Thank you.

Alexey Rogdev

Technical Center for .RU/.RF, CEO