

86apTLD

Protecting The .rs Registry

Ensuring the security of the .rs registry is our top priority!



RNIDS

Security scope of TLDs



Infrastructure



Registry
system



DNS
service

Security scope for TLDs



Infrastructure



Registry
system



DNS
service



Infrastructure

- Perform risk assessment and create mitigation plans
- Develop an information security policy
- Perform network segmentation
- Provide physical security and access control to network and services
- Develop business continuity strategy and DR plans
- Establish monitoring and incident management policies

Security scope for TLDs



Infrastructure



Registry
system



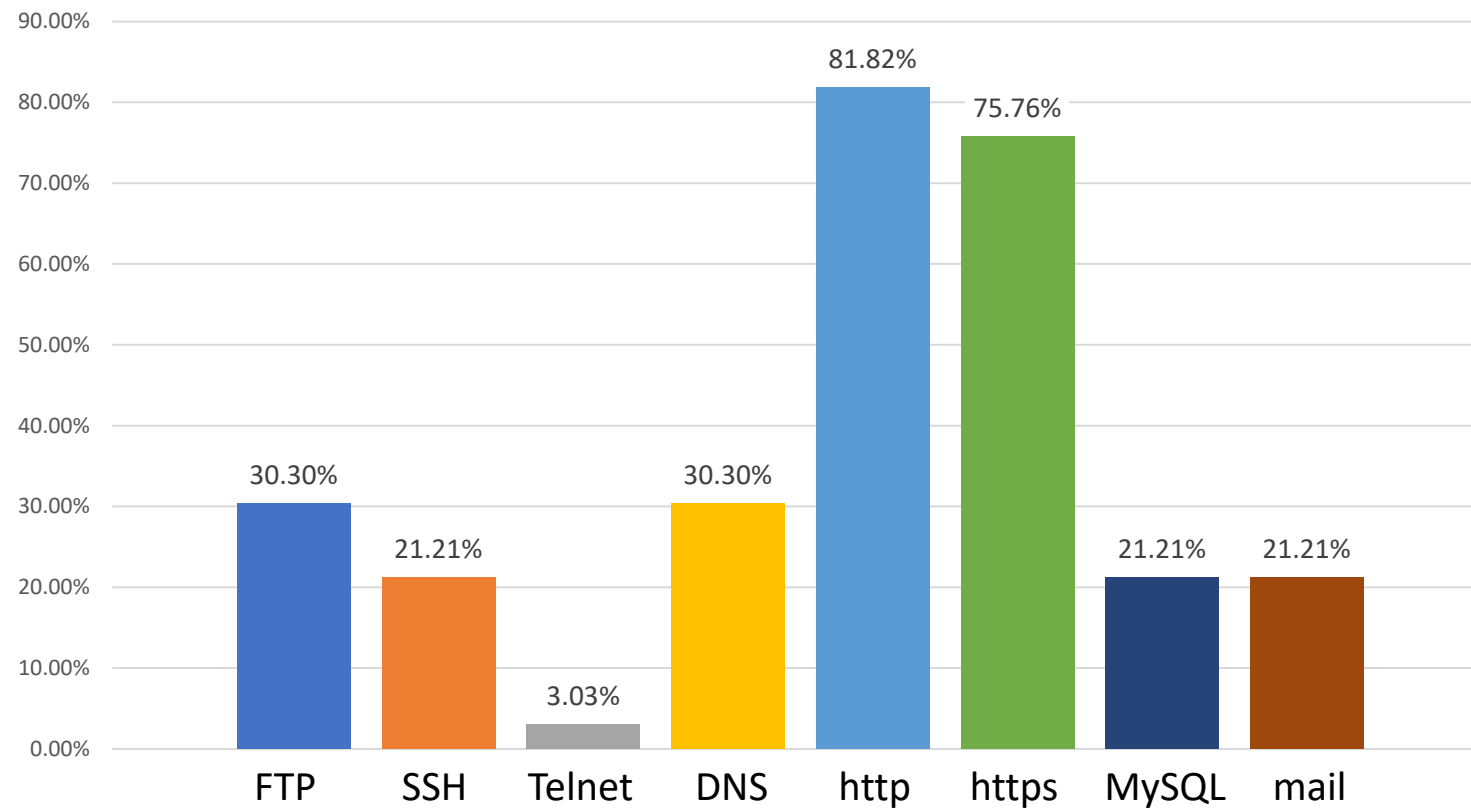
DNS
service



Registry system

- Run multiple instances (active-active)
- Protect data integrity and provide secure backups
- Establish access control for registrars
- Encrypt communication channels
- Apply multi-factor authentication
- Provide domain locks
- Enforce security policies and requirements for registrars

The initial registrar security evaluation



Security scope for TLDs



Infrastructure



Registry
system



DNS
service



DNS service

- Protect the integrity and correctness of the TLD zone
- Introduce hidden-master servers and secure zone transfer
- Ensure hardware and network redundancy for DNS servers
- Implement DNSSEC and appropriate key management
- Ensure geographical and network distribution and implement/outsource anycast service

Thank you!

