



RNIDS
Serbian National Internet
Domain Registry



Registry systems security .RS security measures

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Introduced July 2016

- Two ways of access
 - Web application (responsive design)
 - Extended EPP (minor changes)
- Reliable HA system
- Modular design solution (easy to maintain)
- Plenty of new features

Static code testing

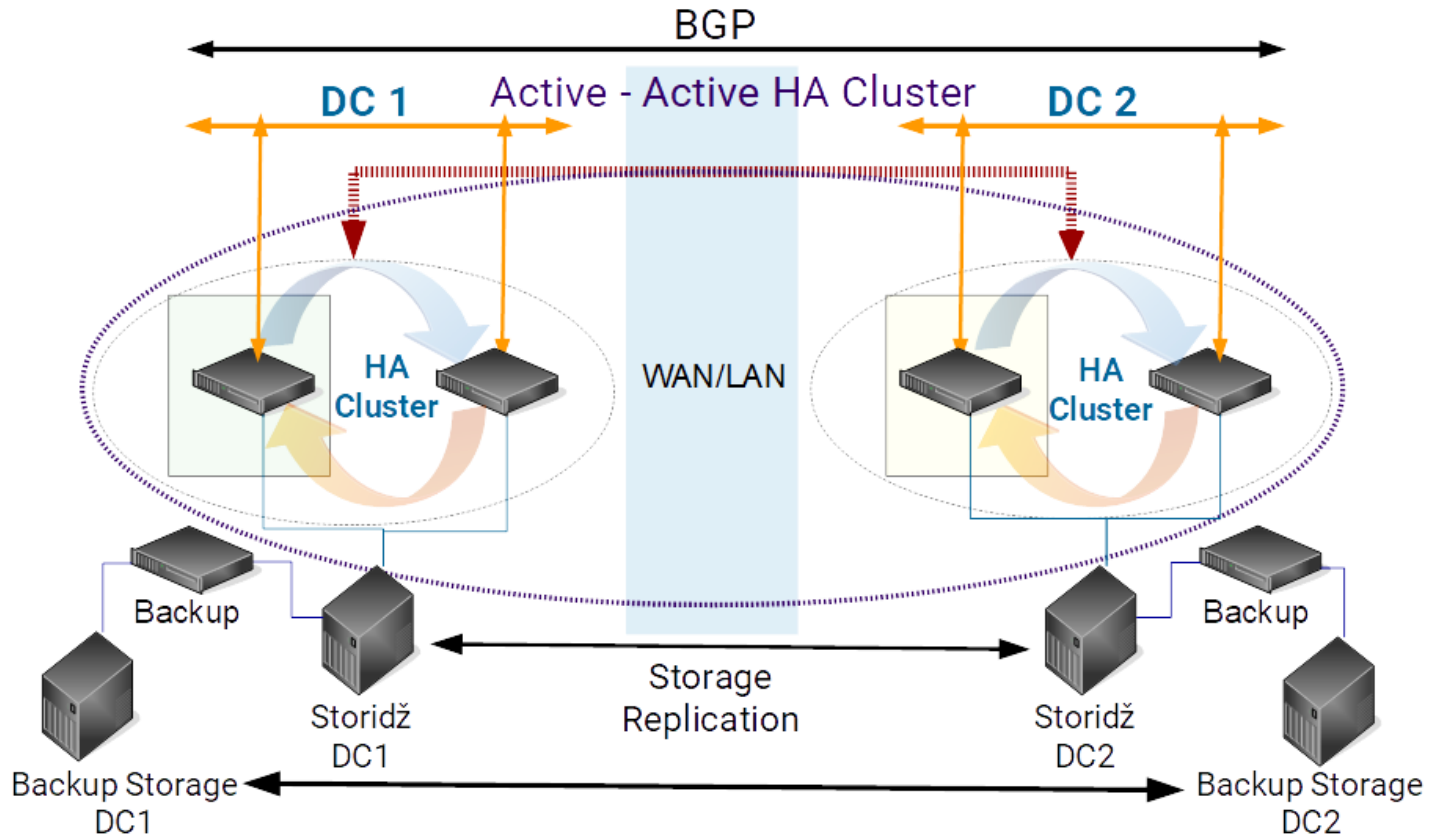
Aggressive stress and penetration tests

Automated testing tools (Web and EPP)

System Security

- Application and Data security
- Access control (Edge security)
- Reliability (HA - 100% uptime so far)

HA Registry System



Three-tier data processing

- Requests processing (Web and EPP)
- Registry logic
- Data processing/DB access

** All network communication is encrypted.*

Secured by multiple firewall instances. No direct access from the Internet.

Web

- IP filtering
- SSL/TLS

EPP

- IP filtering
- PSK SSL/TLS

Known system users

- IP filtering
- SSL/TLS (PSK for EPP access)
- Two factor authentication (Web)

Are we really secure?



What about Registrar systems?

- SSL/TLS communication (some)
- 2F authentication (none)
- Firewall (some)
- Strong password requirements (some)
- Separate appliance for customer portal and Registry operations (some)

- **Registry Lock**
- **Client (Registrar) Lock**
(Only some registrars have implemented this correctly.)
- **Secure Mode**
Any critical operation requires confirmation from a registrant or an admin contact.

Questions?



Thank you!

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