

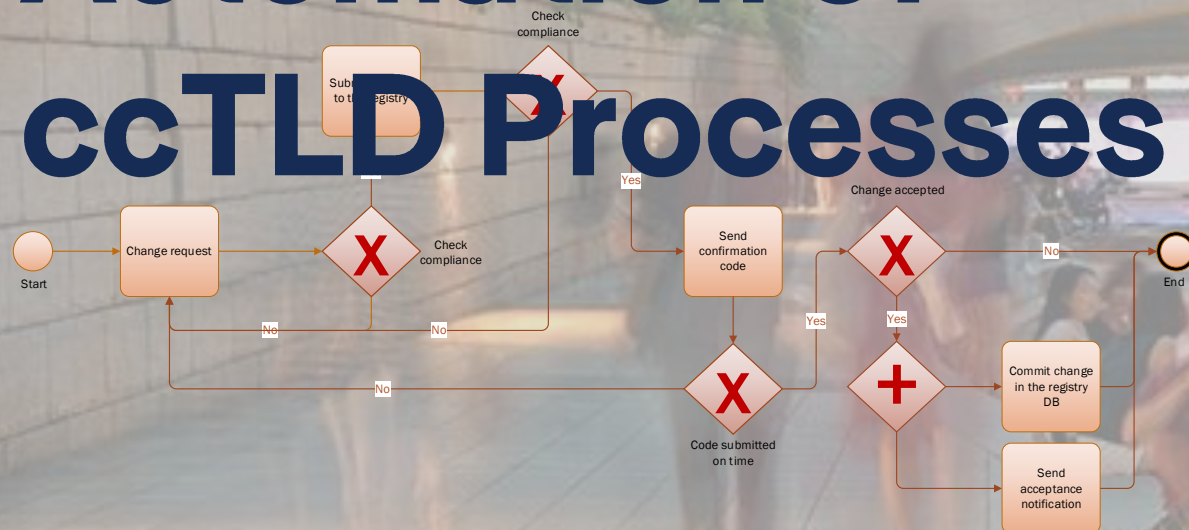
84apTLD

Seoul, South Korea

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Training Session

Automation of ccTLD Processes



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RNIDS



Would you like to spend a stress-free vacation here?

There are tremendous benefits to automating your tasks!

What is process automation?

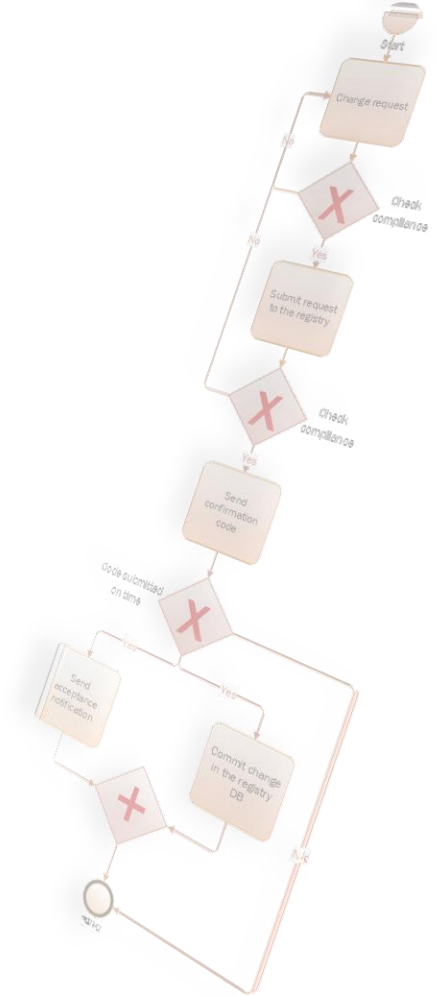
Utilization of digital technologies to execute business processes with minimal human intervention.

In short, it's all about making decisions based on available data!



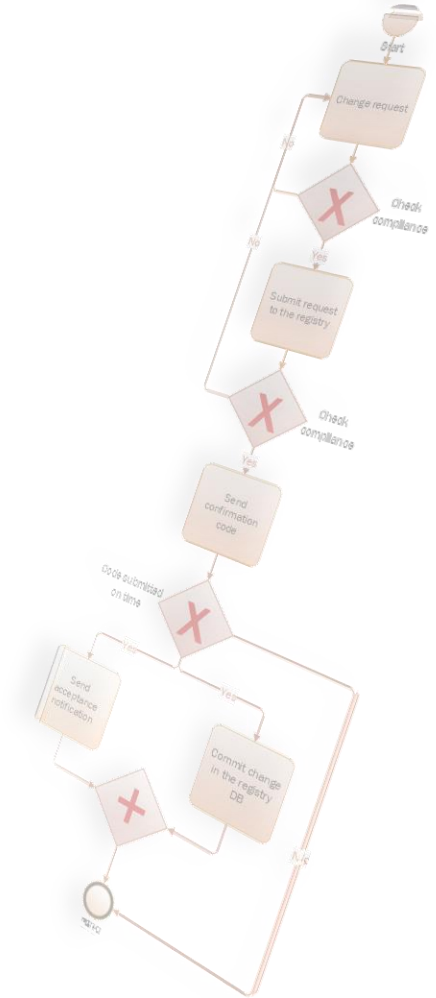
Automation benefits

- Time savings
- Higher productivity
- Greater efficiency
- Error minimization
- Consistent task execution
- Improved compliance
- Improved scalability
- Outstanding customer experience



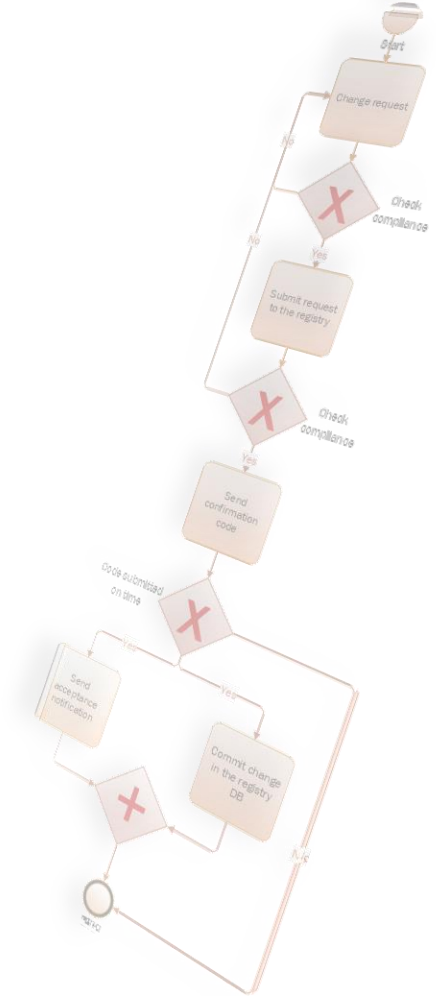
Suggested approach

- Start with simple tasks.
- Identify automation ideas.
- Design automated process and simulate.
- Do not over-automate.
- Rely on trustworthy and regular data sources.



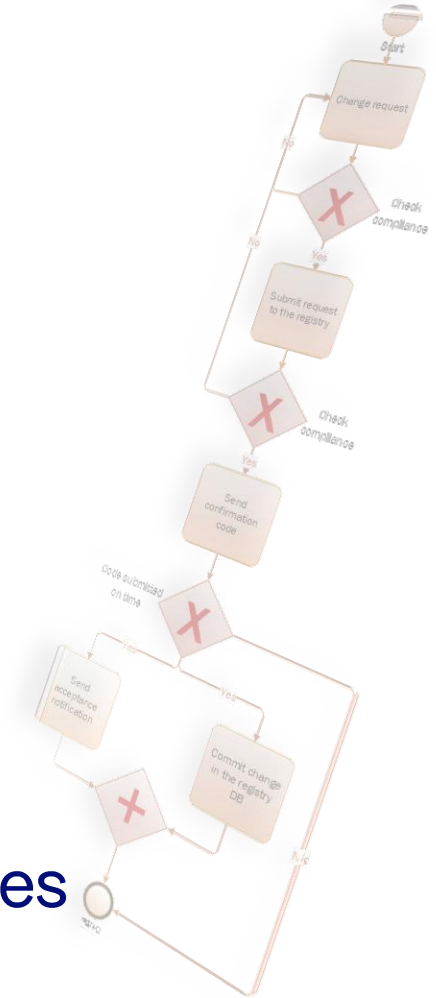
What ccTLDs should automate?

- Registry tasks
- DNS management
- Security and stability of the systems



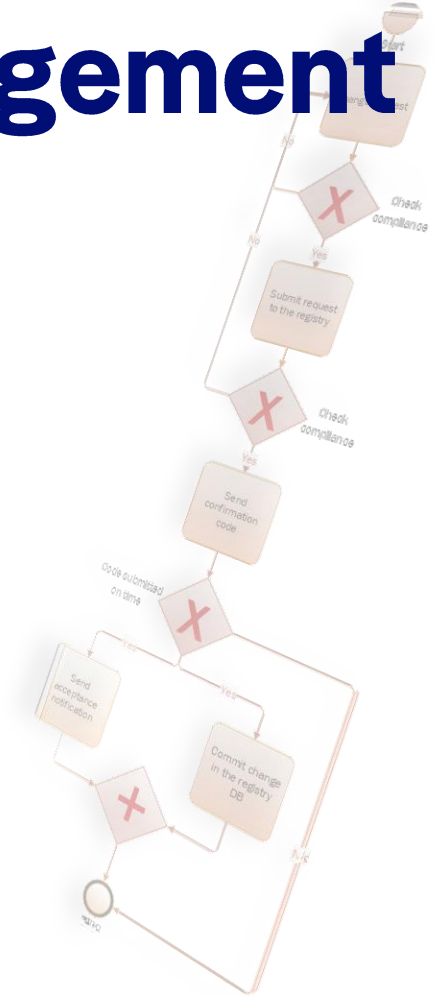
Common ccTLD Registry tasks

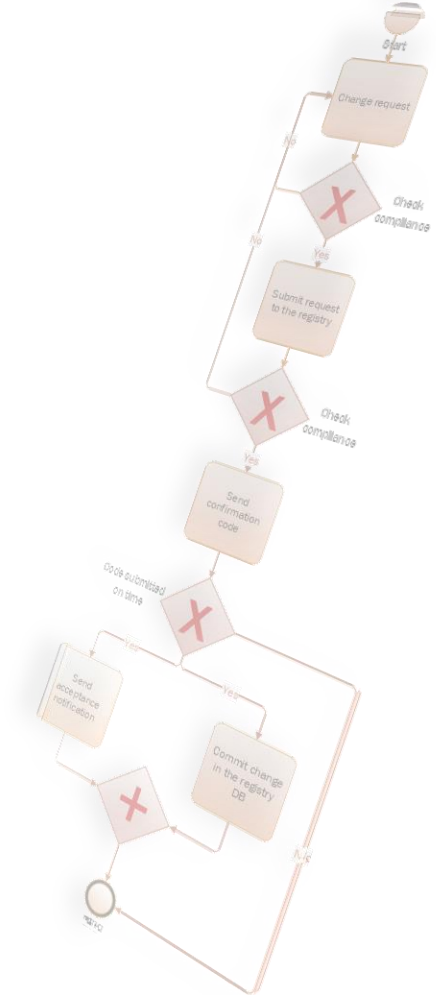
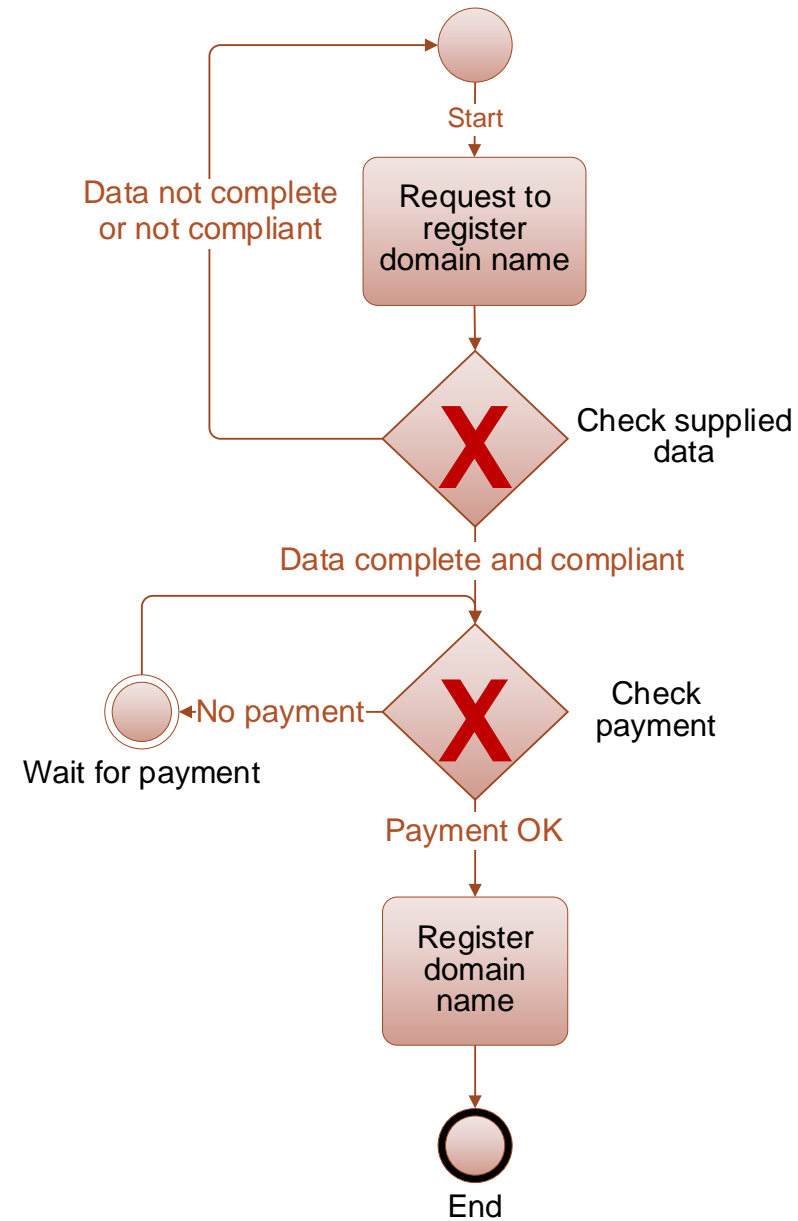
- Policy development
- Registrar accreditation and approval
- Domain name registration/management
- WHOIS/RDAP
- Finance
- Zone file management
- DNS resolution of country-specific top-level domain names
- Dispute resolution

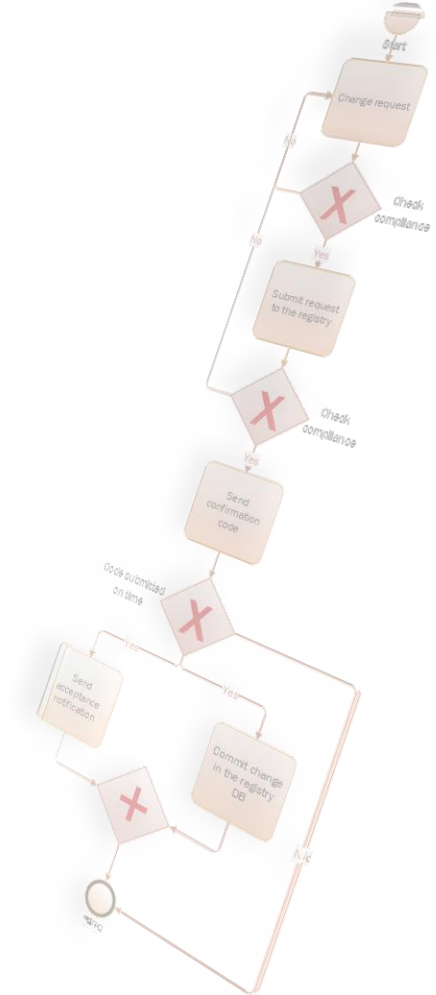
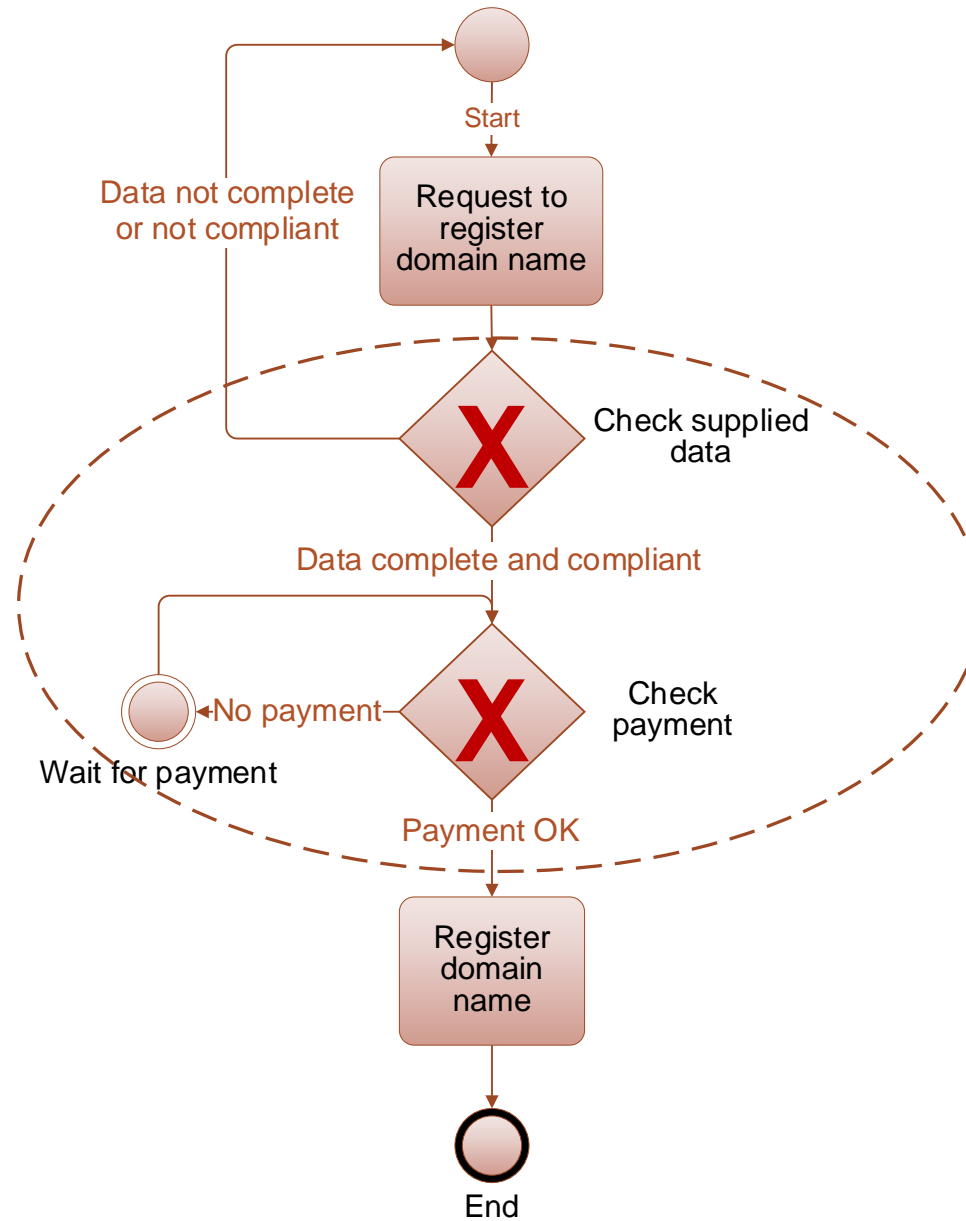


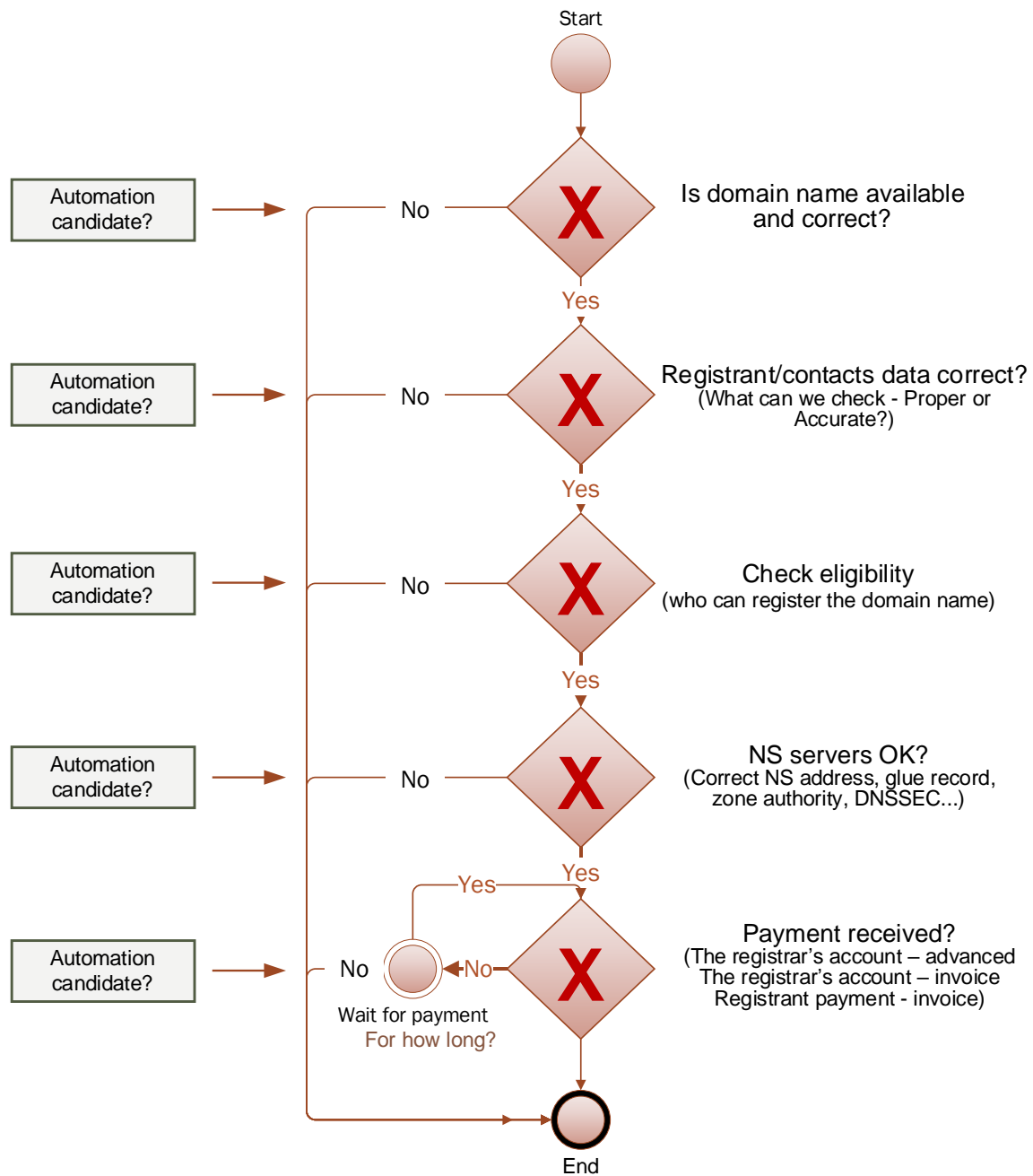
Domain name registration/management

- Domain name registration
- Domain name renewal
- Domain name expiration and deletion
- Transfer of domain name
- Change domain name data (NS, DNSSEC, status...)
- Change registrant/contacts
- Change contact data



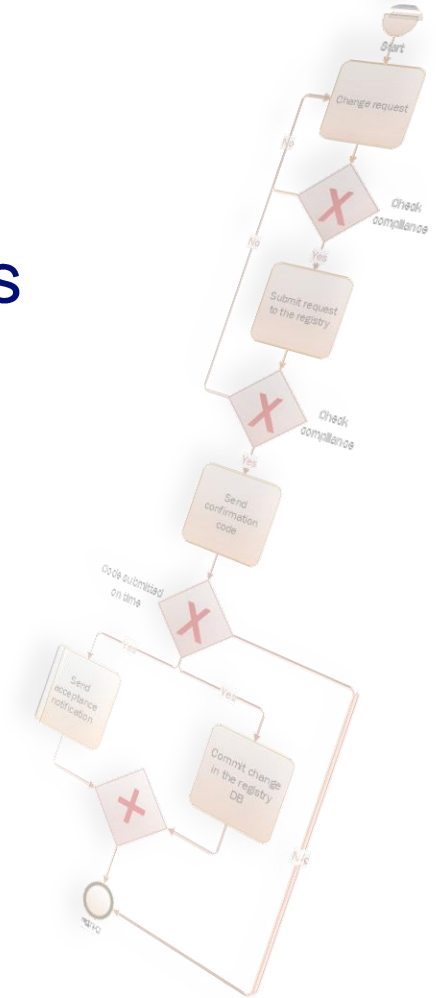




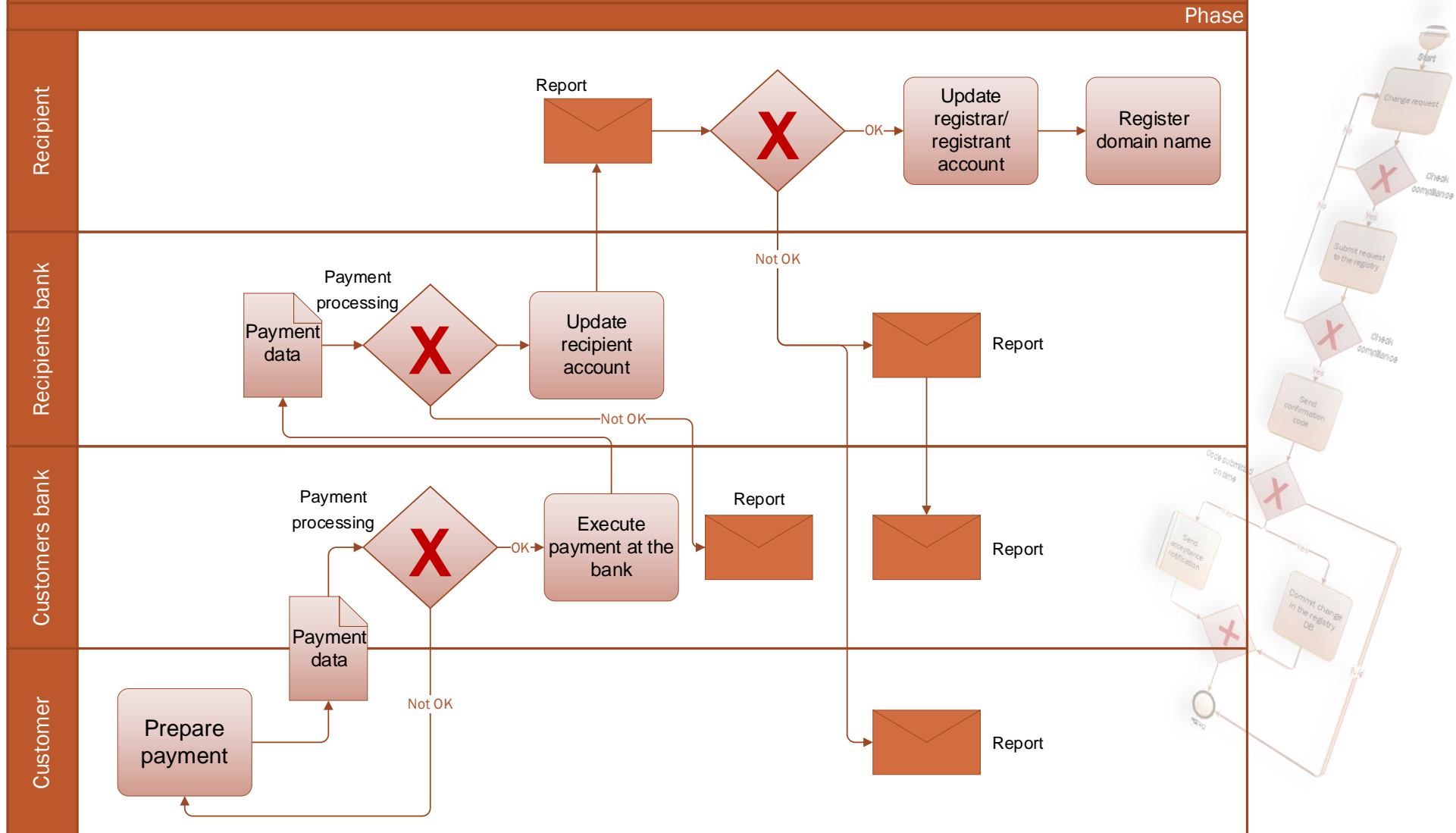


Finance

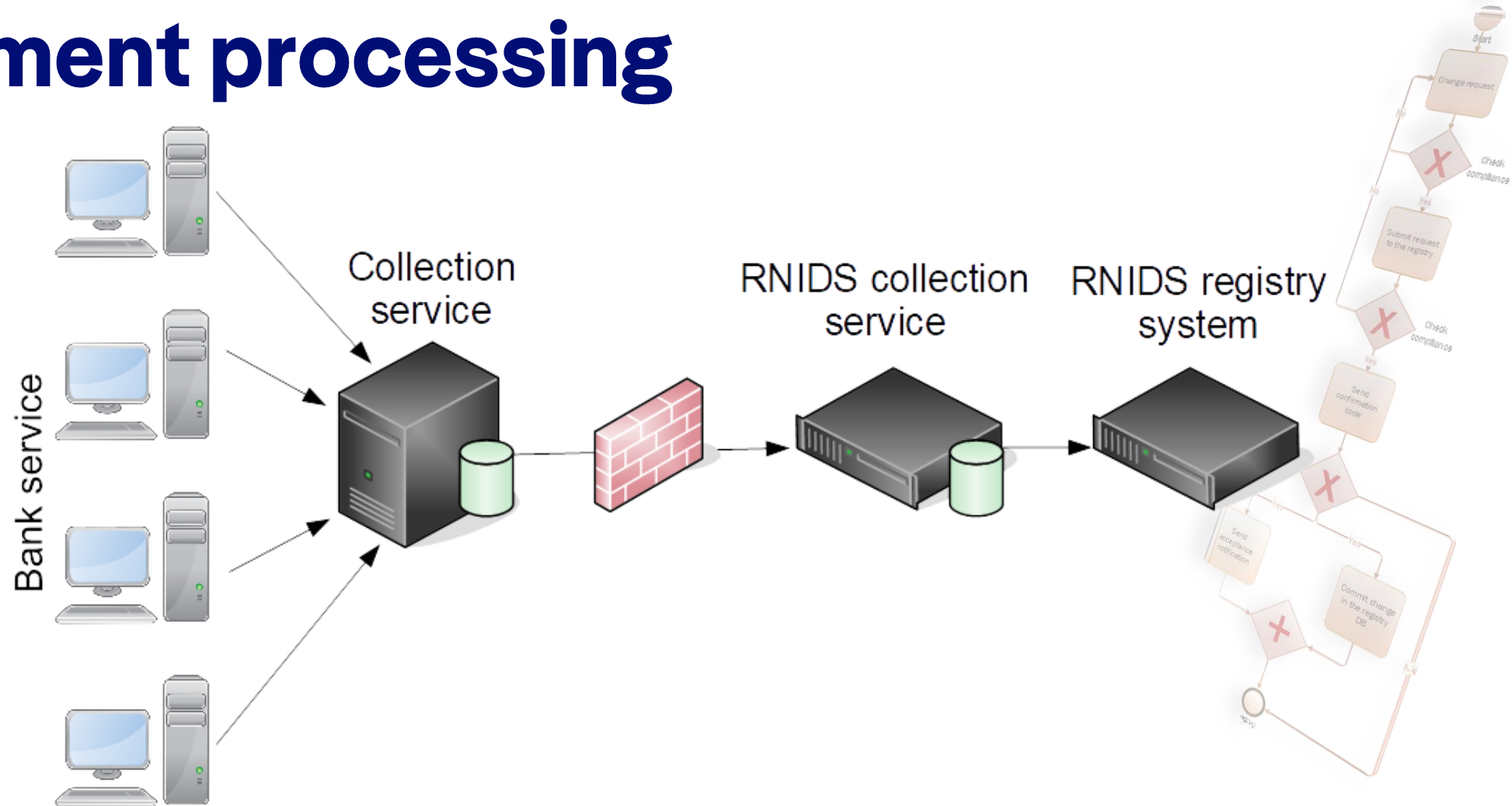
- Prepaid, postpaid or direct registration considerations
- Payment processing
- Registry system update



Pyment processing

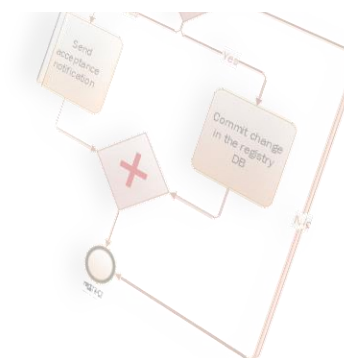
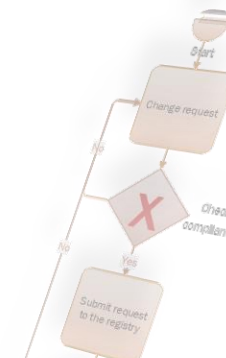


Payment processing



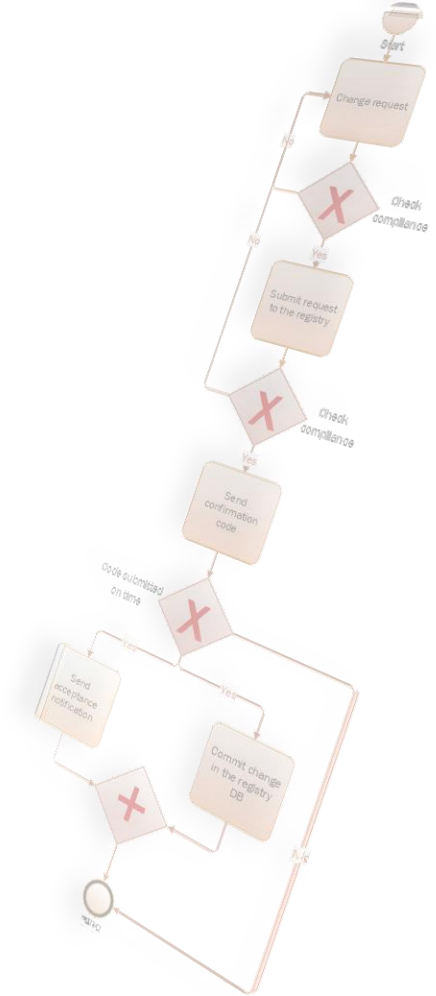
Payment report format

1600000000208451712012.09.23 RNIDS BEOGRAD; Z
 120923190000000006504022000000010200000 221 0 005007 PROMET ROBE I
 USLUGA - FINALNA POTROBEOGRAD-SOMEREGISTRAR - DOO BEOGRAD 870000632999722

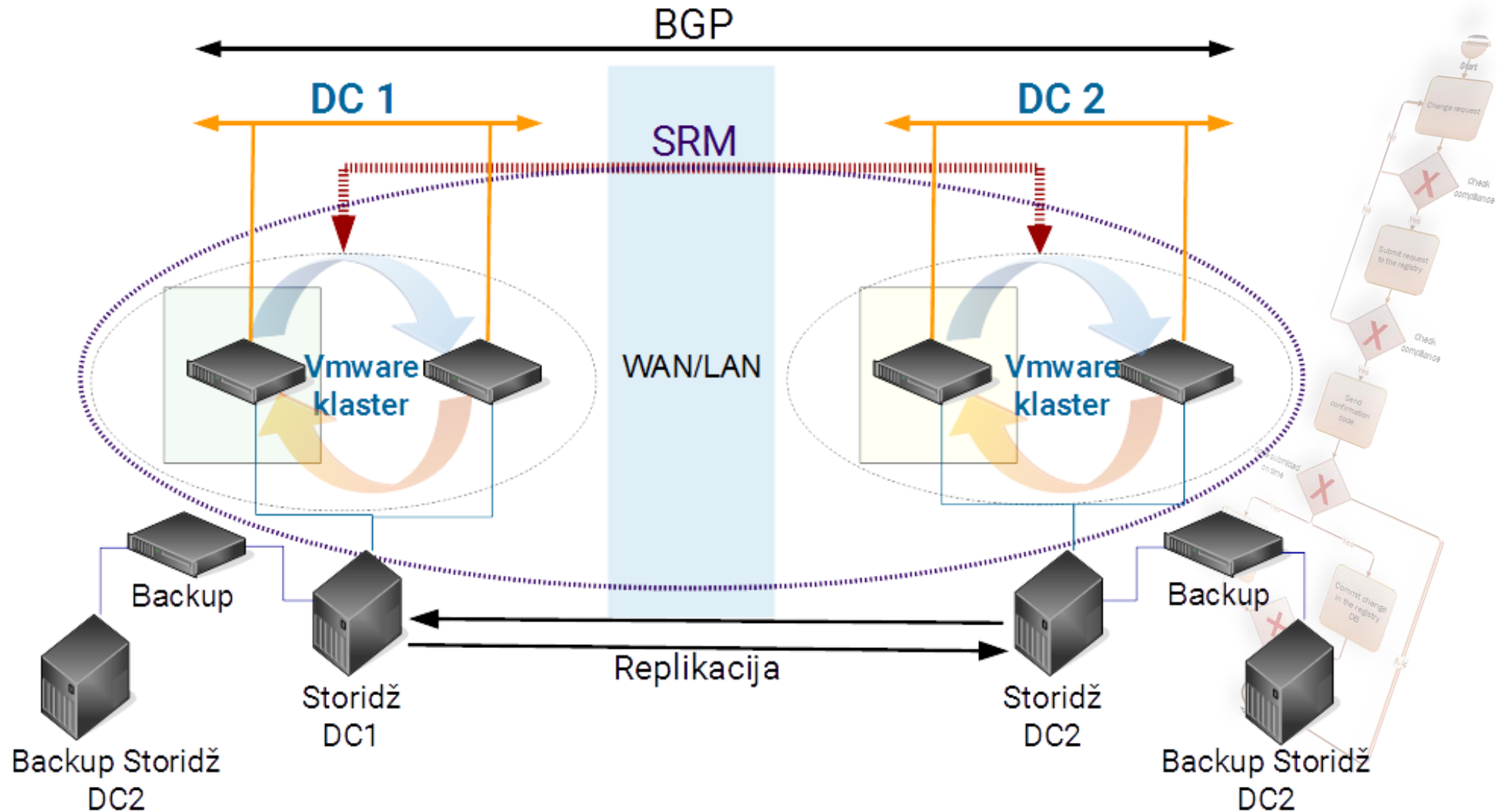


Security and stability

- Operations based on HA infrastructure
- Efficient and secure registry system
- Robust DNS infrastructure

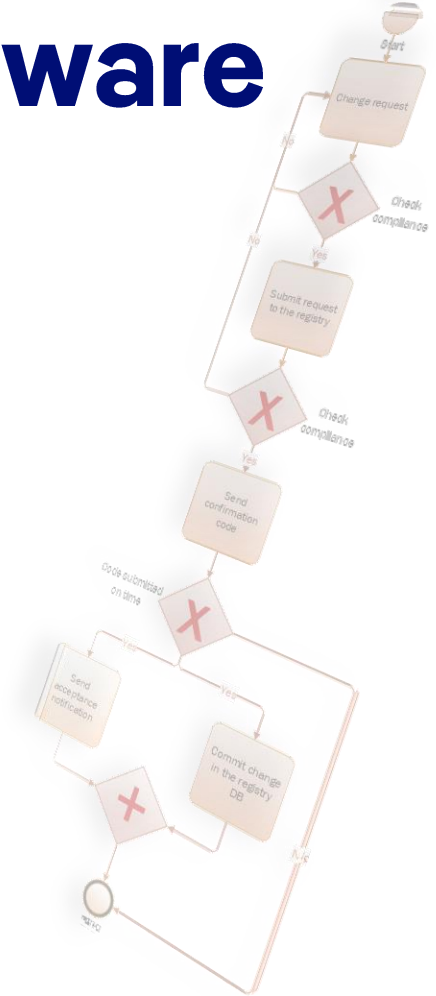


RNIDS HA infrastructure



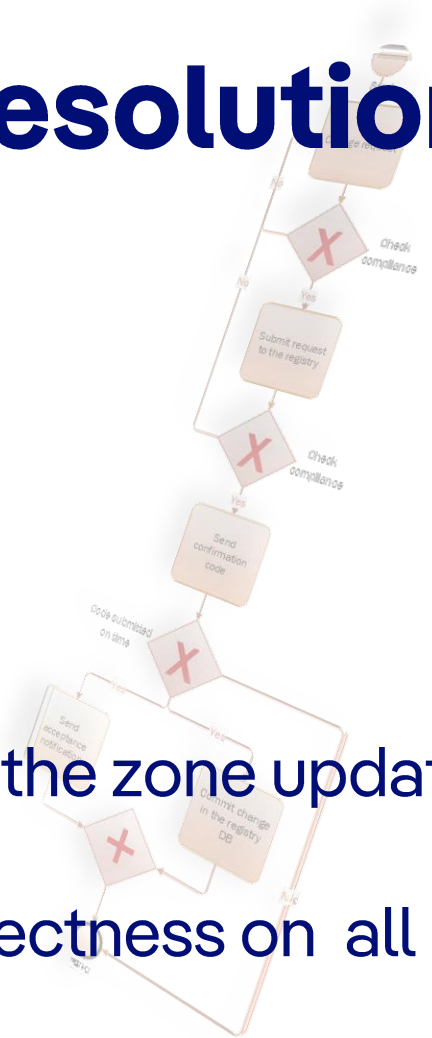
Efficient and secure registry software

- Modular Architecture
- Active-active operational mode
- Web and EPP access
- Security by design
- Advanced functions
 - Security features
 - Automated accounting and payment processing 24/7
 - Notification and verification system

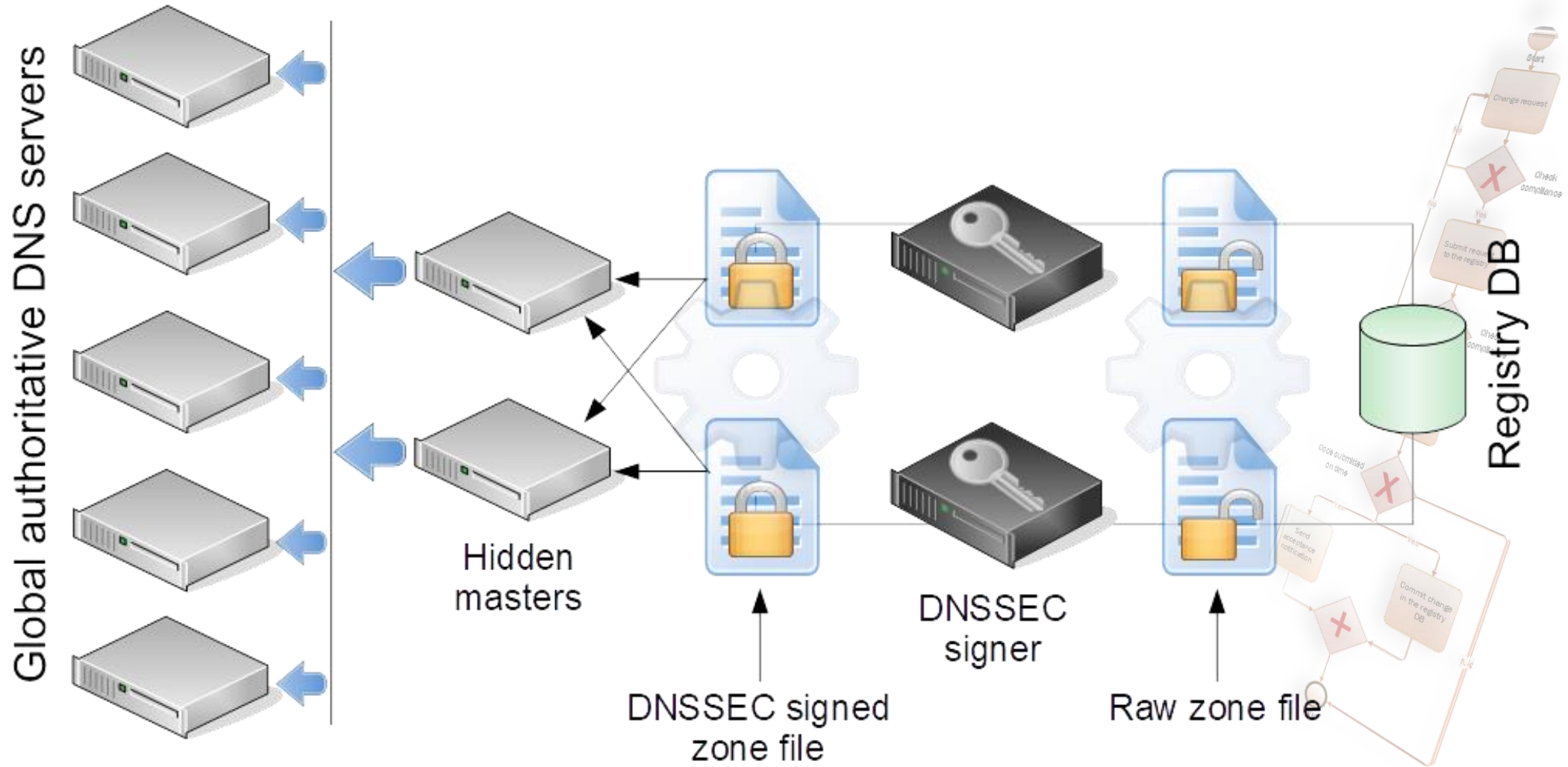


Zone file management and DNS resolution

- Zone file creation and checking
- Provisioning to DNSSEC signer
- DNSSEC signing
- Signature validity check
- Dispatch to hidden masters
- Transfer to authoritative DNS servers and confirmation of the zone update on all authoritative DNS servers
- Monitoring availability, responsiveness and response correctness on all authoritative DNS servers



RNIDS zone file management



Robust DNS infrastructure



A vibrant tropical beach scene. In the foreground, there's a sandy beach with large, dark rocks and lush green tropical plants on the left. The water is a clear, bright turquoise, with white foam from gentle waves washing onto the shore. In the background, the ocean stretches to a clear blue sky with a few wispy clouds. A small sailboat is visible on the horizon. The overall atmosphere is peaceful and idyllic.

**So, there's a way to spend a
stress-free vacation.**

Thanks for your
attention!