

.br registry latest updates

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.br EPP model

- Mix of monolithic Registry and traditional Registry-Registrar
- Registrant has an optional information indicating the option for a Service Provider
- Registrant with a Service Provider has its domain names maintained exclusively by the provider, via EPP
- OOB operations: deletion and transfer of ownership of domain names made via Registry
- Thick registry

.br x traditional RR models

- Strong relationship between Registry and Registrant
- Deletion and transfer of ownership of domain names can only be made via Registry (OOB)
- Strong concept of Entity (domain owner)
- Main goal is to allow Service Providers to offer domain name registration along with other services they already provide in an automated way

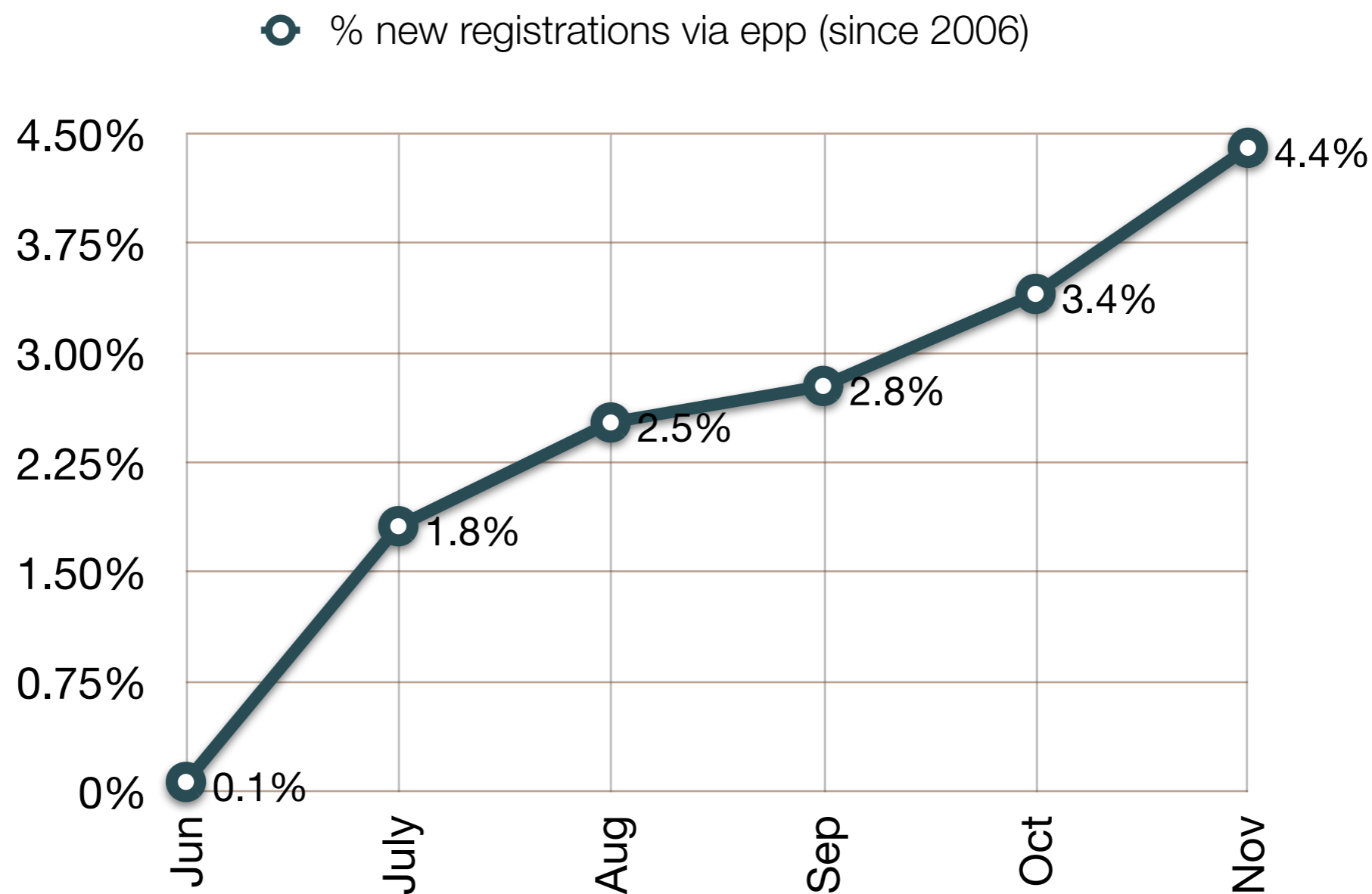
Registry - Service Provider relation

- Only Tech certification procedure
- DevKit (libepp-nicbr) written in C++ available for download
- Relationship based on contract to assure that Registrant will be aware of the main clauses of Registration Contract
- Interface for OOB administration
 - EPP account recovery
 - Reports: registrants, domain names, expiring renewals
 - History of registrations/renewals transactions

.br protocol extensions

- Extension for the Contact Mapping (RFC3733) to add a unique external ID (CNPJ/CPF), responsible, contact handle and attorney
- Extension for the Domain Mapping (RFC3731) to add subordination of domain names to Registrant object, ticket support, automatic renewal and the release process
- More info at:
 - <http://registro.br/epp/index-EN.html> (protocol)
 - <http://registro.br/info/epp/> (ISPs)

EPP adoption rate



DNS QuasiOnLine Publication

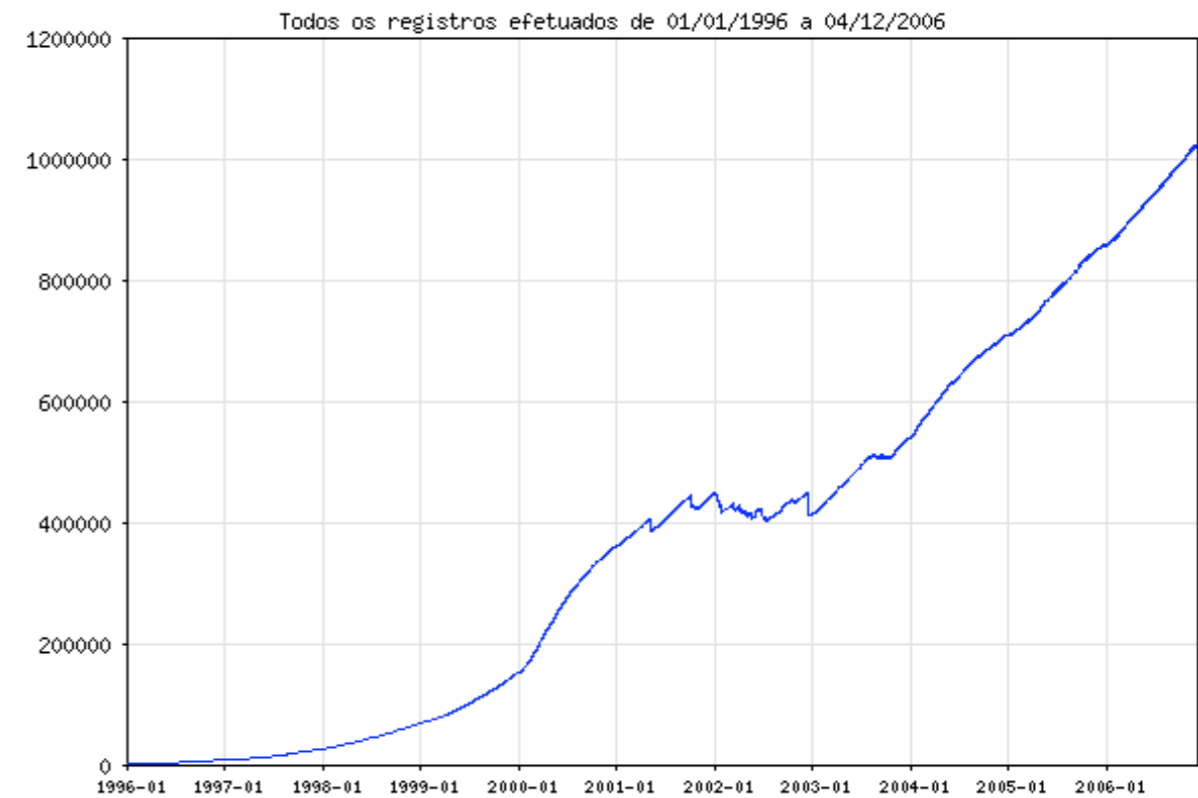
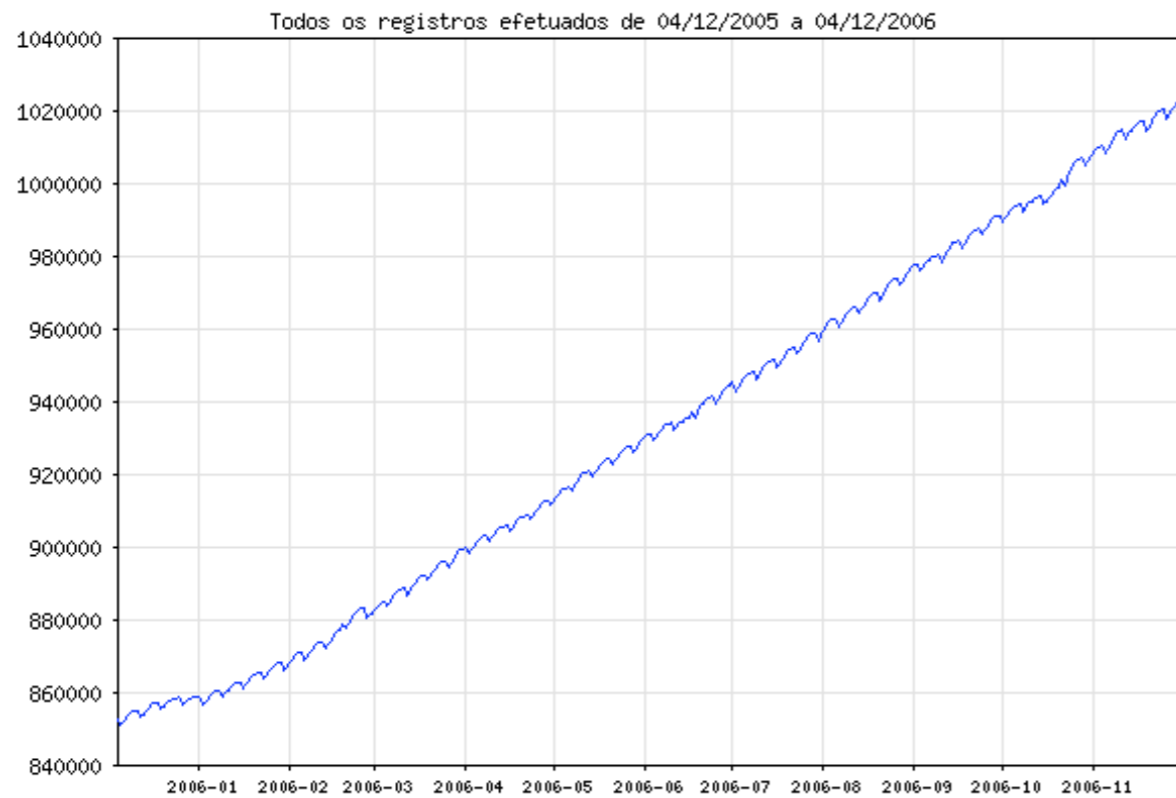
- From 8 hours to 30 minutes
- XFRD server
 - A more efficient system (propagating only changes)
 - on a 24h period normally less than 1% of changes
 - Included journal of changes on the provisioning system
 - Journal read every 30'
 - Optimized for [AI]XFR
 - Designed for the future

DNS provisioning system update

- 5 delegated servers [a-e].dns.br
 - 3 inside the country (São Paulo, Rio de Janeiro e Brasília)
 - 2 outside (US, GR)
- Moving all of them to clusters of machines
 - Multiples Routers, Switches and Servers per cluster
 - Anycast “in the local” based on ECMP balancing
- 2 New sites entering in production
 - DENIC (substituting GR)
 - KRNIC

10⁶ domain names

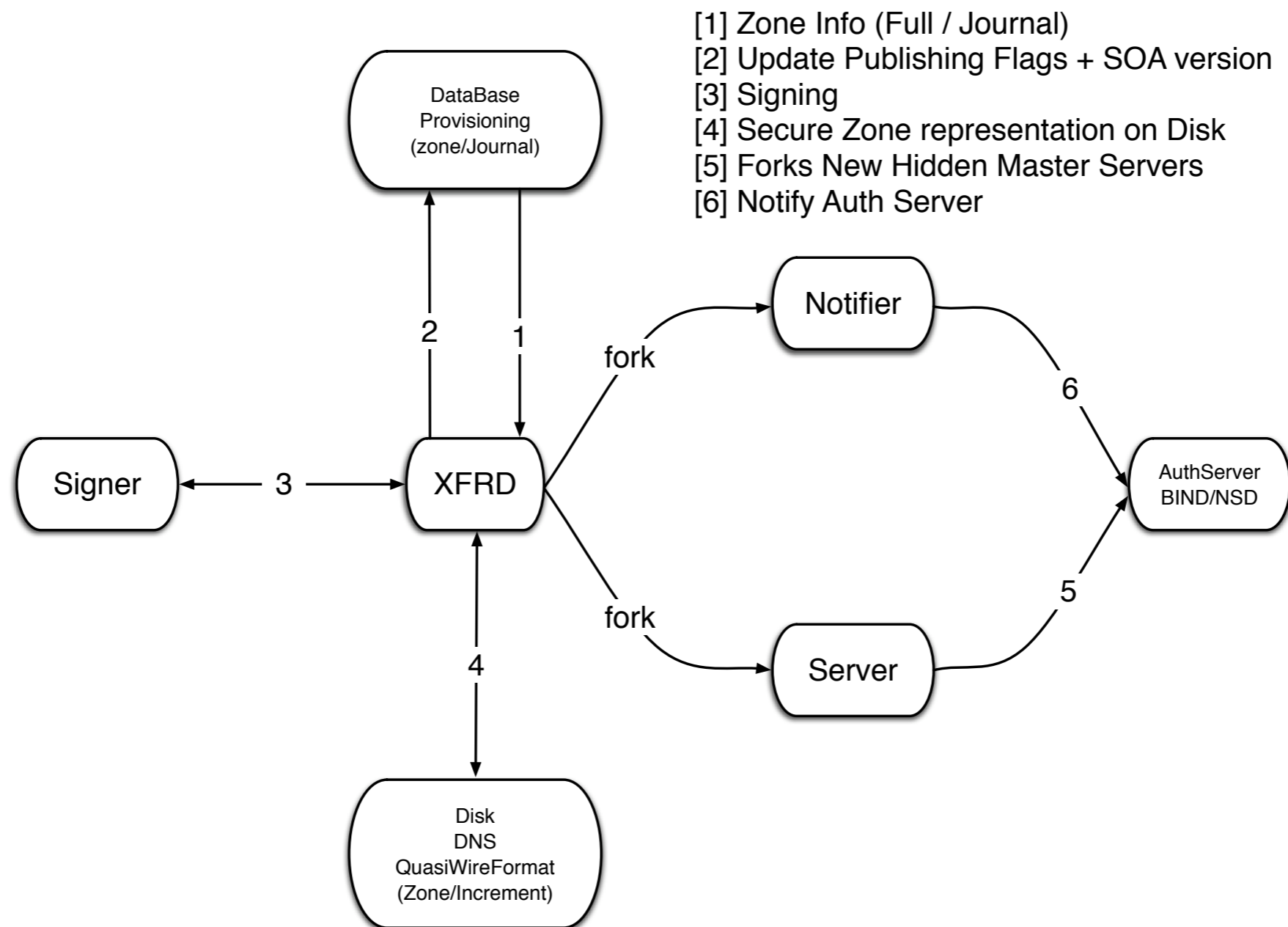
- Achieved in 24th October 2006
- Net Grow ~170k year (last 3 years) - 20% this year



- <http://registro.br/estatisticas.html>

DNSSEC deployment

- [AI]XFR signing as an extension to our XFRD



Questions ?

Thank You !