

Registro.br **ccTLD registry software**



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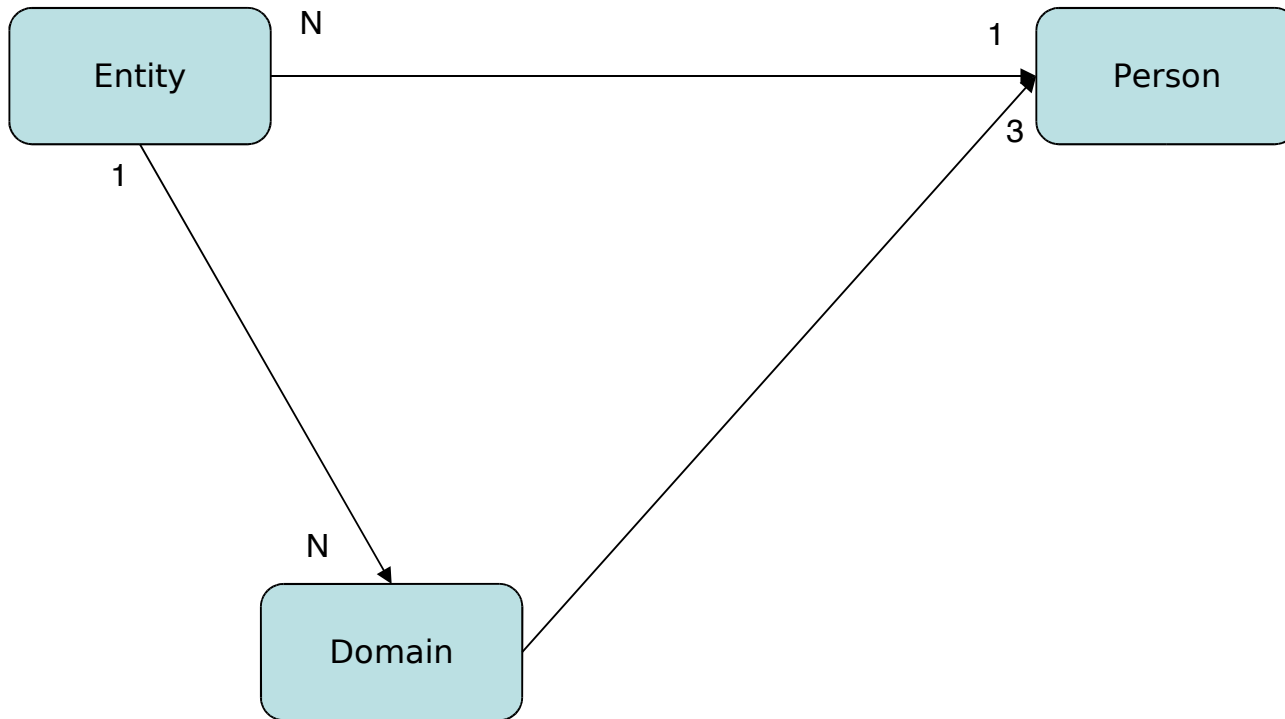
Overview

- Domain name registration, publishing and administration system
- Web based
- Multi-lingual interface based on templates/user profile
- Hierarchical authentication model

Software Architecture

- Object Oriented - C++
- Database used only to properly maintain persistence of objects
- Extensive use of C++ frameworks
- Main platform - FreeBSD

Objects Relation



Registration

- Based on tickets and queue processing (Frist Come First Served)
- Configured restrictions based on registration policies treated as ticket pendings (domain, DNS, documentation, payment, others)
- Daemon to process tickets queue
- Daemon to check DNS pendings

DNS publication / Whois

- Automatic DNS zone generation and consistency check
- On-line Whois
- ACLs
- Self tuning query rate Limits

DNS check

- Regular checks for delegation errors
- Status published on whois
- Reports to contacts on a regular basis

Backend / Billing

- Administrative interface with several access profile controls
- History of all objects modifications
- Billing system based on pendency model. Could be attached to any object in the system.

Availability

- Only for ccTLDs
- Free
- Training at the .BR NIC
- Documentation in English
- Email Support

Distribution and License Policy

- Full Source code
- Non-redistribution license