What is a registry?
A registrar?
A registrant?

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registry / registrar / registrant

Registry-Registrar-Registrant model

3 entities involved in Internet domain name registration within this model:

· **Registrant**: final client, the one who wishes to register the domain name.

· **Registry**: authoritative repository, responsible for all functional information required to resolve names registered in its TLDs.

· **Registrar**: interface between registry and registrant, may provide extra services to the latter one.
registry / registrar / registrant
Registry-Registrar-Registrant model

While there can be several registrars that provide domain registration and related services for a same given TLD, there's necessarily only ONE authoritative repository responsible for this TLD.
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**Thin x Thick Registry**

**Thin Registry**

- stores only domain and name server information

- contact information is stored separately at each registrar, which must operate its own WHOIS server.

- NSI Registry-Registrar Protocol (RRP) - RFC 2832

E.g.:

Verisign Registry (.COM/.NET)

PIR Registry (.ORG)
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Thick x Thick Registry

**Thick Registry**

- stores all of the information associated with registered entities, not only technical but also social.


e.g.: Afilias Registry (.INFO)
registry / registrar / registrant

.BR model

→ Registro.br is the authoritative repository for .BR domains.

→ Every company which is legally established in Brazil can register .BR domain names directly at the Registro.br's website.

→ There are no registrars but ISPs can act as so.
registry / registrar / registrant

.BR model

- While these ISPs are not exactly registrars, they can provide their clients facilities for .BR domain names registration.

- For Registro.br the ISP will be the owner of the domain.
registry / registrar / registrant

Online Resources

Registro.br
http://registro.br

Afilias Global Registry Service
http://www.afilias.info

VeriSign
http://www.verisign.com

RFC 2832 – NSI Registry Registrar Protocol (RRP)
Version 1.1.0

RFC 3730 – Extensible Provisioning Protocol (EPP)
Questions??

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