

# What is a registry? A registrar? A registrant?

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registry / registrar / registrant

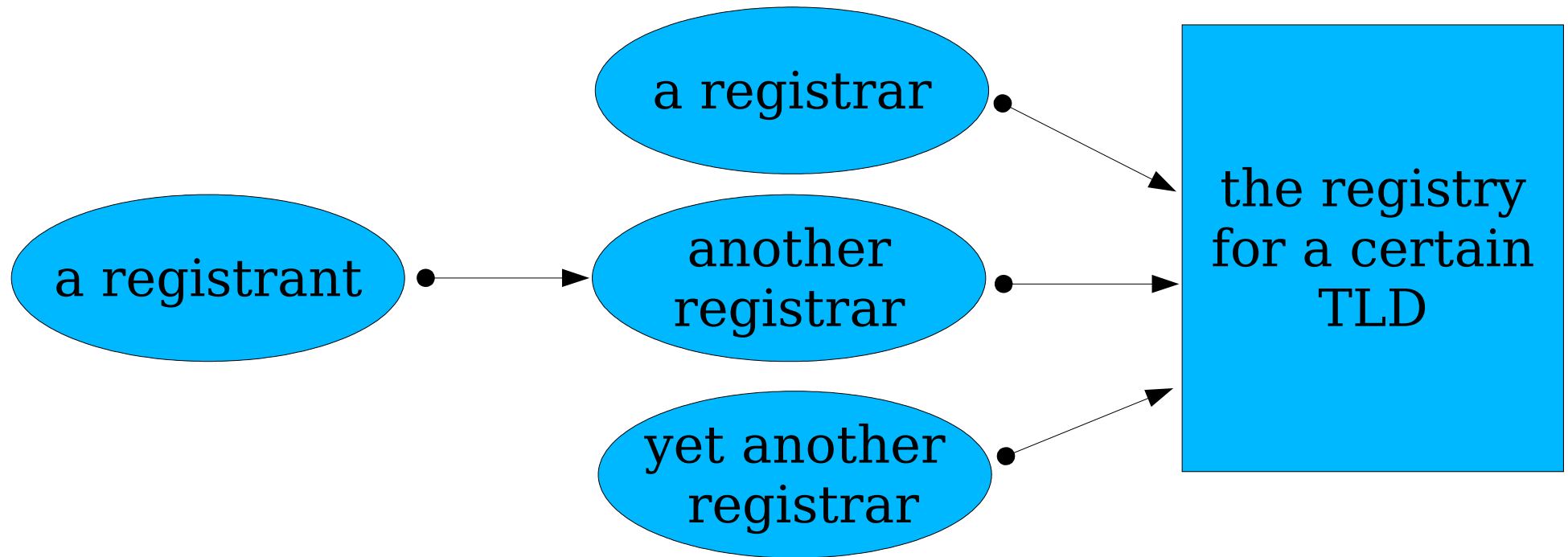
## **Registry-Registrar-Registrant model**

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.

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## 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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## **Thin x Thick Registry**

### **Thick Registry**

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

→ Extensible Provisioning Protocol (EPP) – RFC 3730.

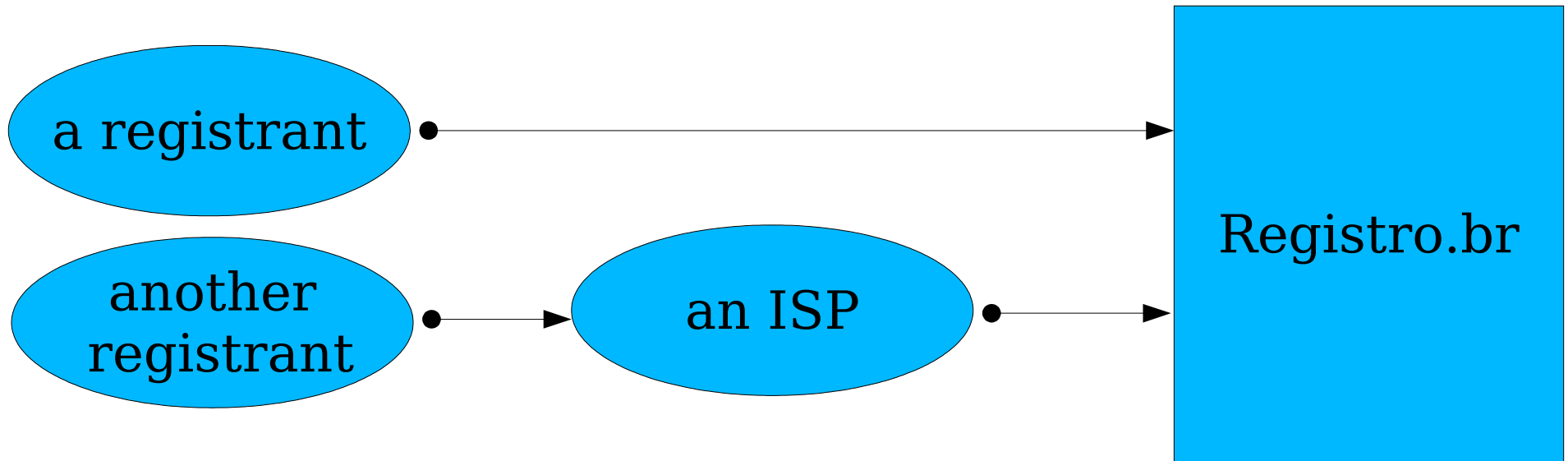
e.g.: Afiliias Registry (.INFO)

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## **.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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