

CoCCA Open Registry

APRICOT 2005 Kyoto Japan

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Definitions

- Registrant:
 - The organization or person responsible for a domain
- Registrar:
 - The middlemen who interact with registries on behalf of registrants
- Registry
 - The organization which maintains the register and publishes the zone
- Register
 - The data that is maintained by the registry

Thin Registry vs Thick Registry

■ Thin

- Some shared-registry systems distribute much of the registry metadata to registrars, rather than maintaining it centrally
- Return minimal set of data, usually with a referral to a registrar's whois server

■ Thick

- Shared registry systems keep all the metadata central
- Return all the registry metadata from one place, in one query

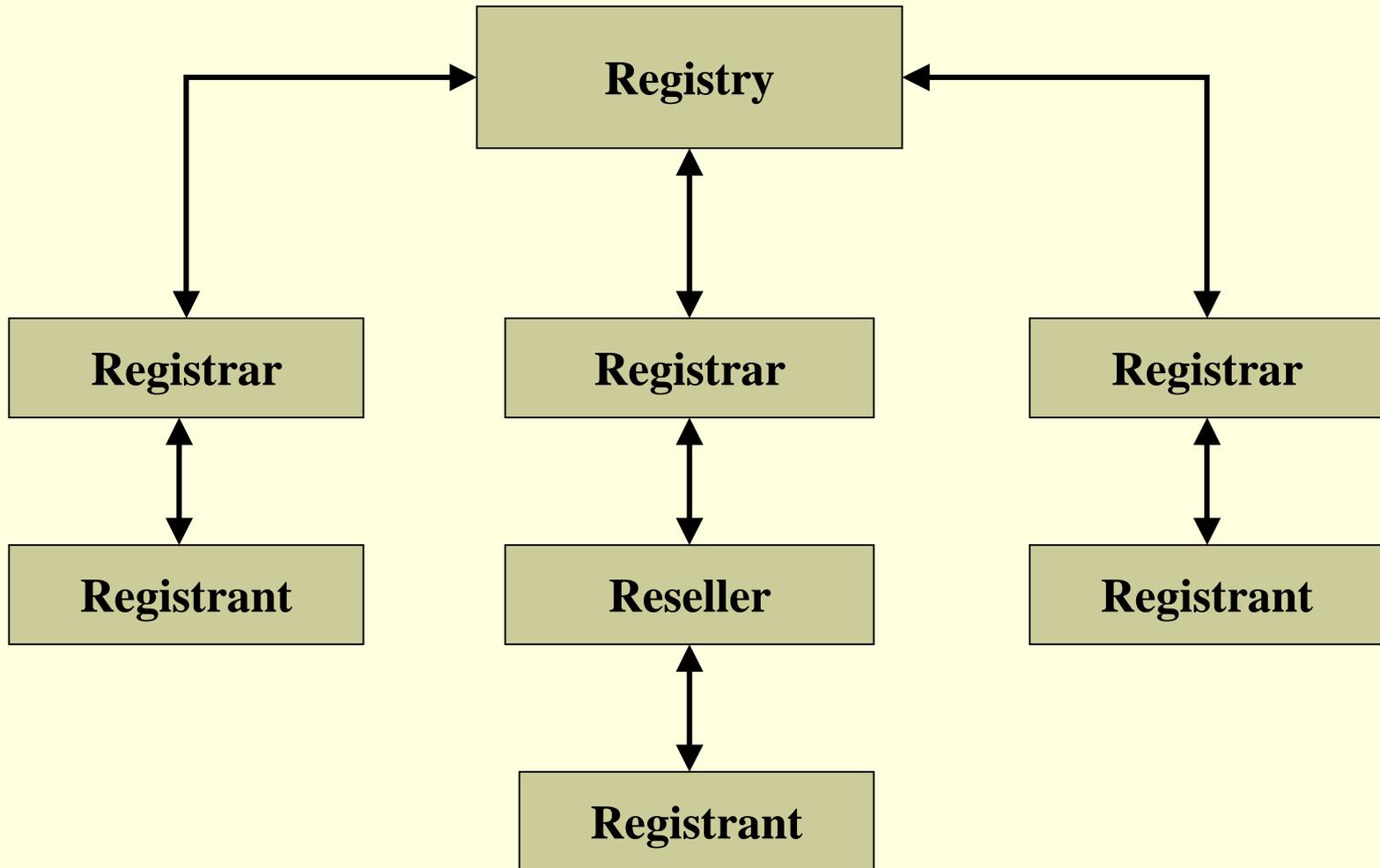
Registry Policy

- Registries have different policies
 - Policies which effect the registration process
 - Policies which effect the basic structure of any registration
- Tuning of Registry Software
 - Registry software should be tuned to some extent so that it could be compatible with the applied registry polices

CoCCA Open Registry

- Runs on
 - Windows, Linux, MacOSX & Solaris
 - Open source based
 - Fully featured registrar-registry components
 - Various value added features
 - Automatic pdf invoicing, customizable whois etc

Shared Registry Model



Components

- PostgreSQL database
 - <http://www.postgresql.org>
- Caucho Resin Application Server
 - <http://www.caucho.com>
- Java 1.4 or Better

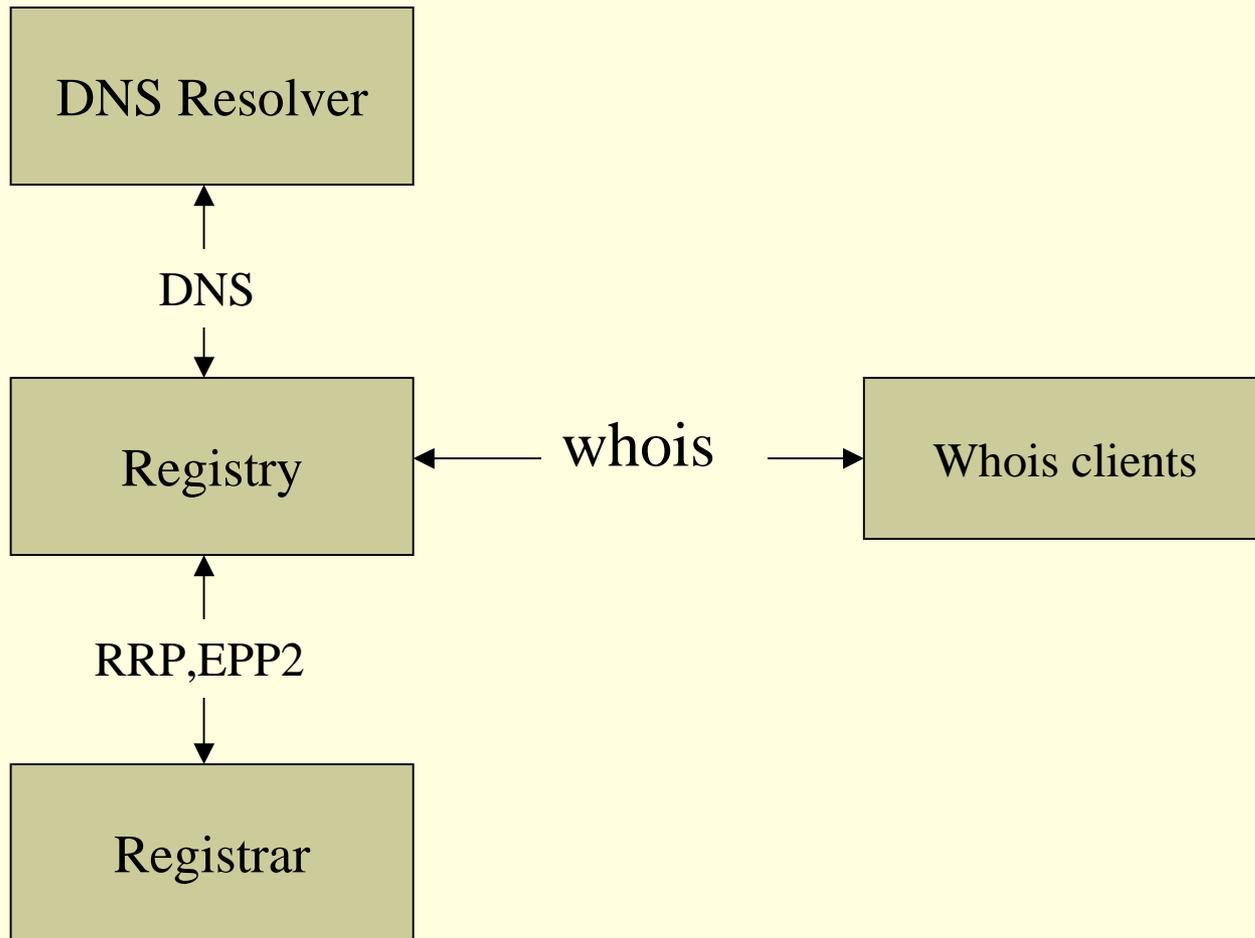
Features

- Automatic PDF invoicing
- Zone generator
- Customizable whois
- Domain transfer

whois

- Mechanism for retrieving metadata from registry
- RFC 954 (“nickname”)
 - No data format specified
 - Much of the specification describes a query/retrieval strategy that has never been implemented
- Every registry’s whois output looks different

Contact with Registrars



Reserved Names

- Restriction on what names can be registered
 - offensive names
 - Preventing cyber-squatting
 - Generic names
 - Names of places, famous personalities etc

Renewals

- Automatic invoicing
- Multi-year renewals
- Bulk renewals

Status

- Some registries using

- .af
- .cx
- .dm
- .nf

- In discussion to use

- .ly
- .la