



CoCCA Open Registry

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CoCCA

- CoCCA (Council of Country Code Administrators)
 - Non-profit organization
 - Forum for collaborating among member ccTLDs
- Activities
 - Harmonized policy development
 - Provision of training / technical support for member ccTLDs
 - Development of registry software (CoCCA OpenReg)
 - Deployment support
 - Upgrades, extra value added features according to requirements of ccTLDs
- Membership
 - Free membership



<http://www.nic.af>
<http://www.cocca.cx>



Definitions

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



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



Why ?

- Why to have registry software ?
- What is the need for registry software ?



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CoCCA Open Registry

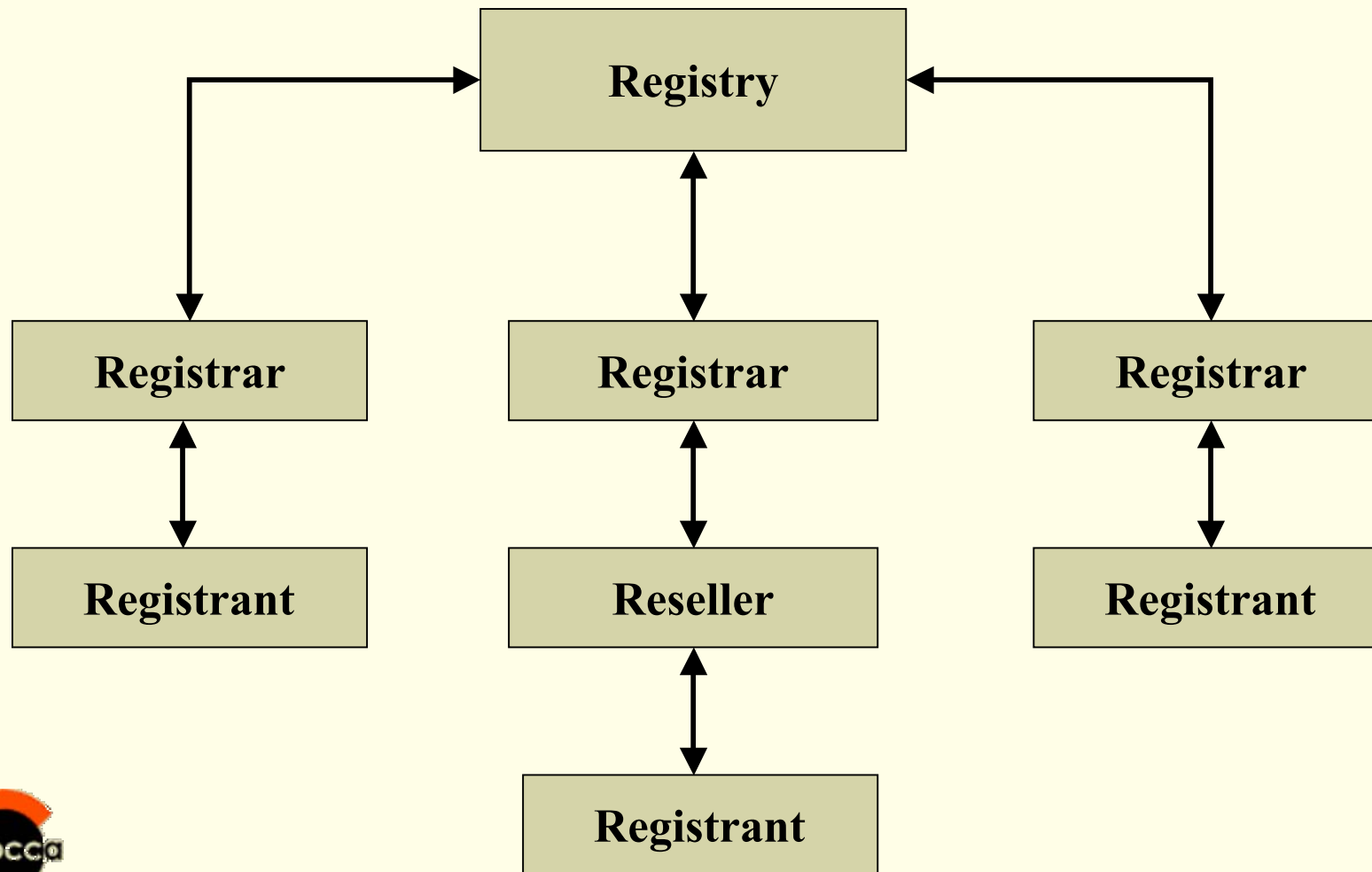
- Runs on
 - Windows, Linux, MacOSX & Solaris
- Open source based
- Fully featured Registry-Registrar components
- Various value added features
 - Automatic PDF invoicing, customizable whois etc
- Shared Registry System



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Shared Registry Model



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Components

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



Whois Data

- 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
 - CoCCA whois is customizable as which data should be available for public



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Features

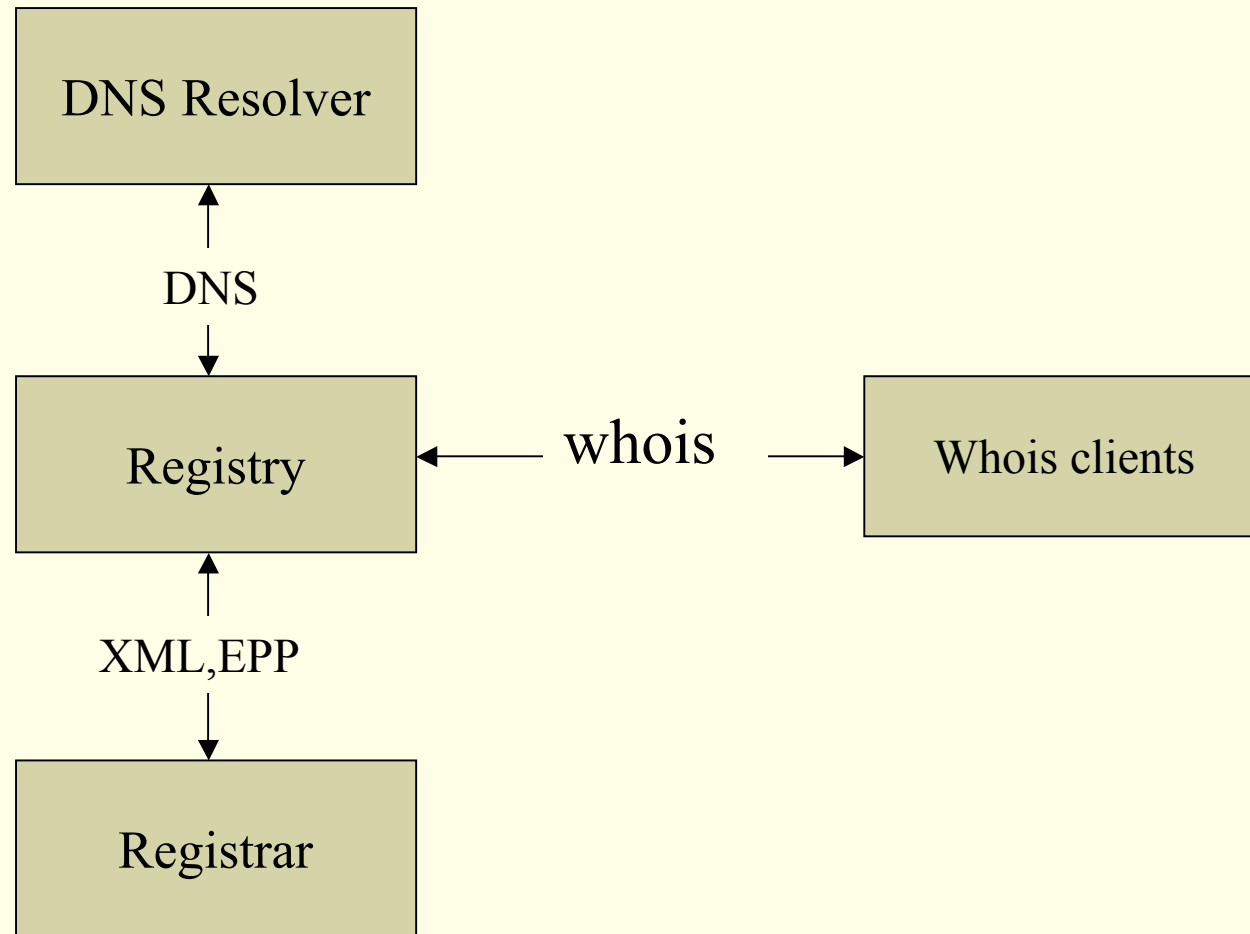
- Zone generator
- Customizable whois
 - Public access to all whois information can be controlled by the registrant
- Domain transfer
 - Registrant controlled registrar transfers (full domain name portability)
- Flexible in customization according to applied registry policies
- Renewals
 - Automatic invoicing
 - Multi-year renewals, Bulk renewals
- Restriction on what names can be registered
 - offensive names
 - Generic names
 - Names of places, famous personalities



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Registry - Registrars



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Status

- ccTLDs using CoCCA Registry
 - Afghanistan (.af)
 - Christmas Island (.cx)
 - Dominica (.dm)
 - Norfolk Island (.nf)
 - Timor-Leste (.tl) Legacy (.TP)
 - Mauritius (.mu)
 - Namibia (.na)
 - South Georgia (.gs)
- In discussion to use
 - Mangolia .mn



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Links

- **CoCCA Registry Software**
 - <http://www.cocca.cx/tools.jsp>
- **Site to download presentation**
 - <http://www.sanog.org>
 - <http://www.cocca.cx>



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<http://www.cocca.cx>





Thank you!

Questions ?