

Canadian Internet Registration Authority

Autorité canadienne pour les enregistrements Internet



CIRA Registry/DNS Overview

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www.cira.ca | www.acei.ca

Ancient History

- CA delegated to John Demco at UBC in May 1987, managed by John and network of volunteers
- First domain registered January 12 1988
- CIRA incorporated December 1998
- Official handover of delegation December 1, 2000
- CIRA started with approximately 60,000 domains
- April 2008 reached 1 million active domains



60 Second Registry Overview

- Not-for-profit
 - Not government, not exactly private sector either
 - Board of Directors elected by Members
 - Members are a self-selected subset of domain Registrants
- Managing public resource on behalf of Canadians
 - restricted registration policies: registrants must be legally connected to Canada somehow

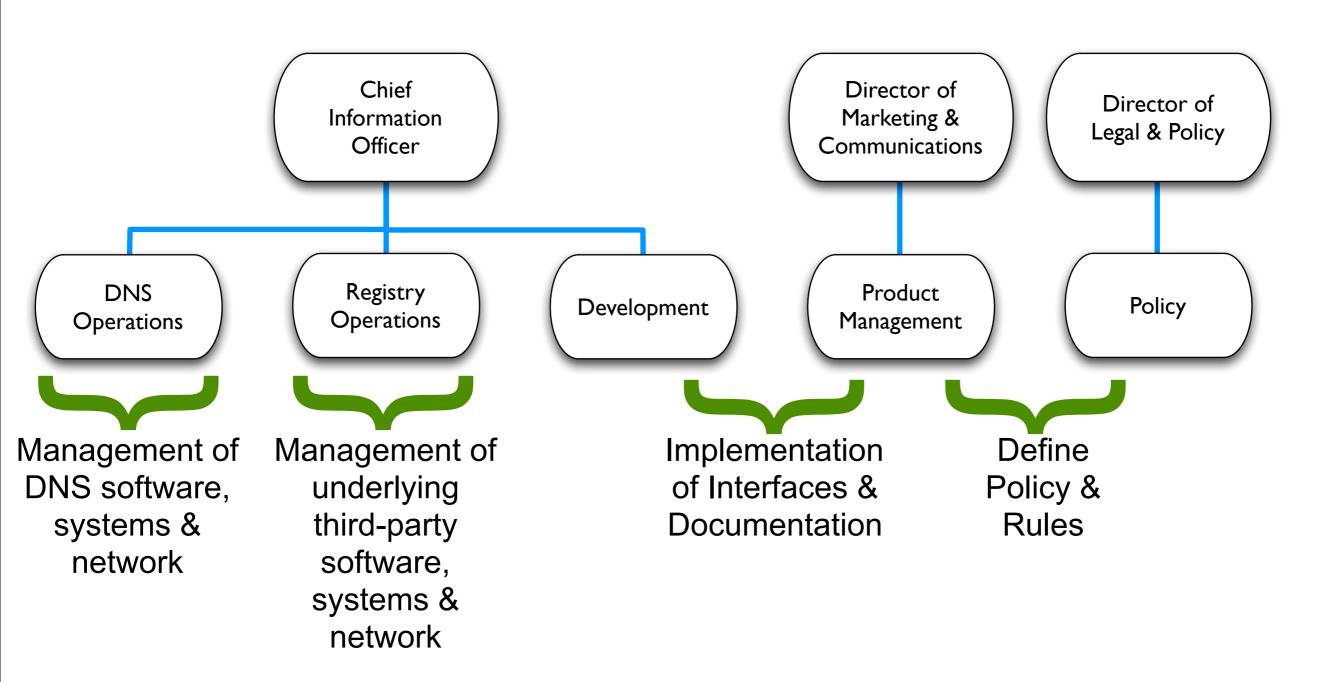


60 Second Registry Overview

- Thick Registry
 - CIRA holds all registrant information and domain information (except financial)
- Registrar Model
 - certified Registrars use a custom interface at the Registry to register domains to Registrants

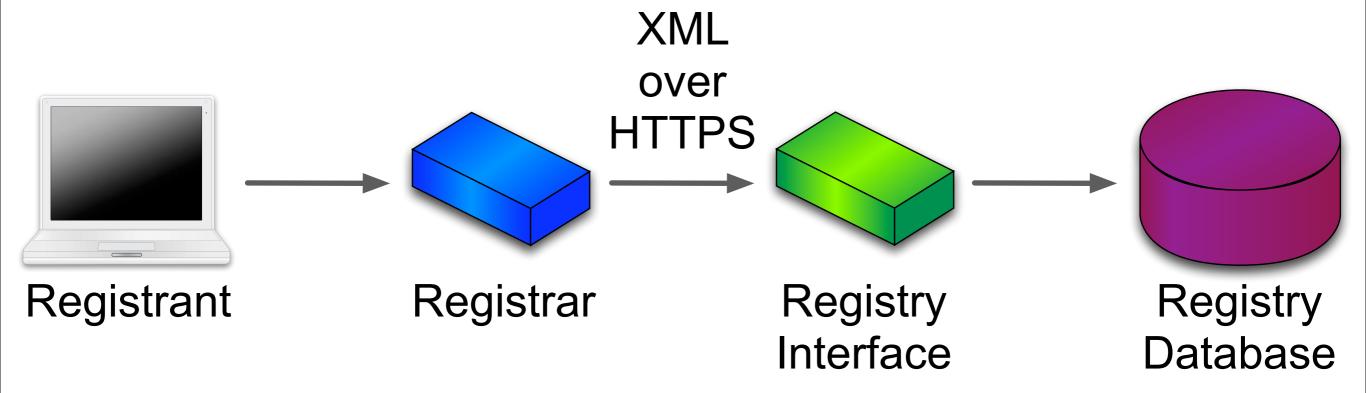


Policy & Implementation



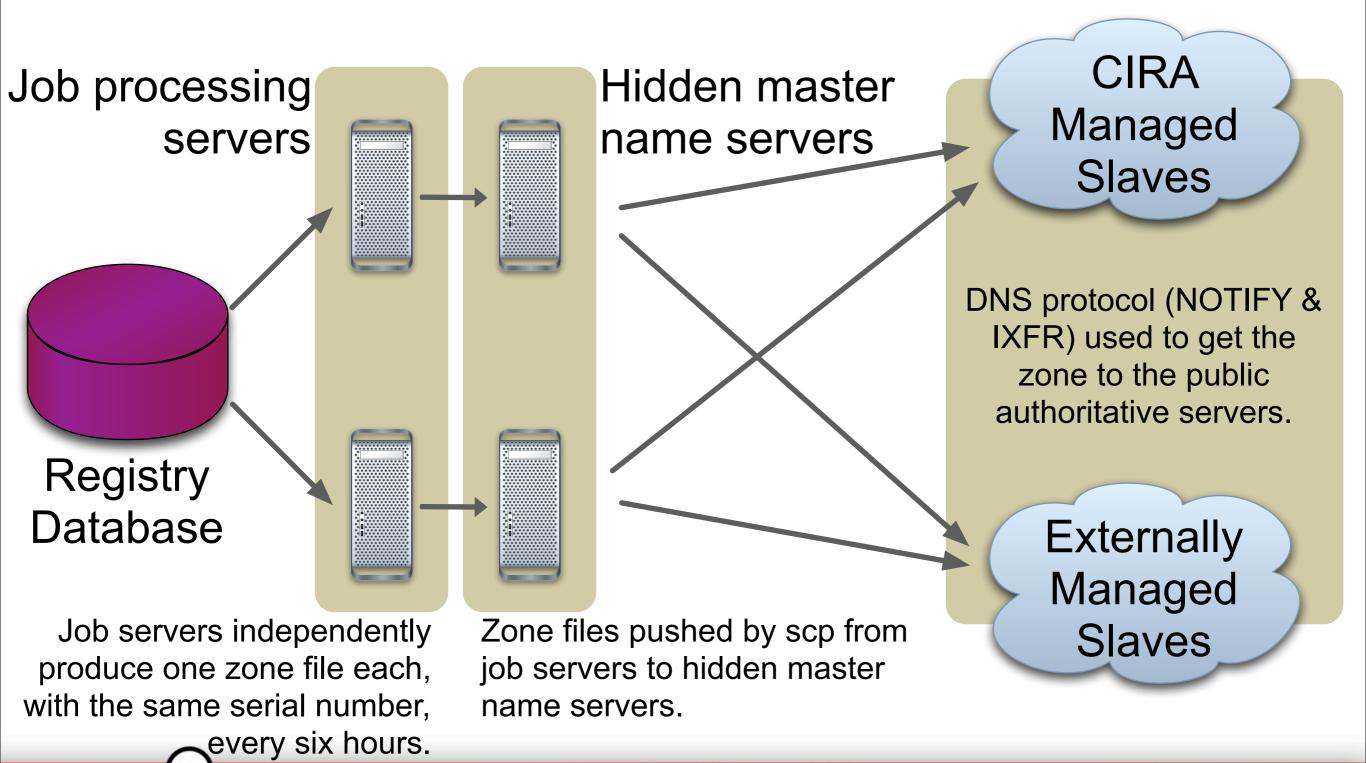


Getting Data from Registrants

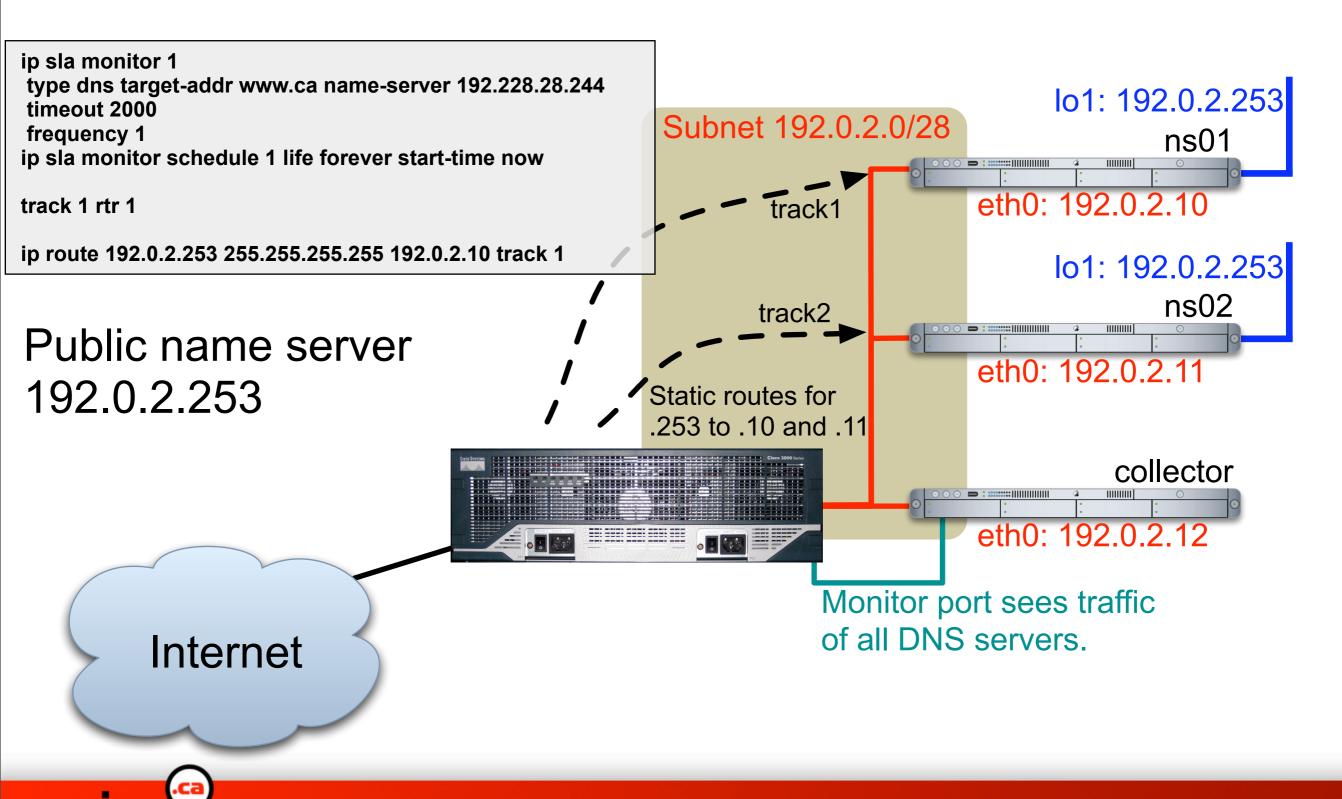




Getting Data to the DNS



DNS Site Architecture



Future Plans

- Tracking "key" Delegations
 - Watch the NS records we're publishing for important domains, alert on changes
 - e.g. gc.ca, telco/cable co. domains
 - "Did you really mean to change that?"

DNSSEC

- Hoping for a signed delegation from the root by the spring
- Start with a limited trial accepting keys from a few registrants, by invitation
- Possible production rollout fall of 2009, if everything goes perfectly



Questions?

