

.CA DNSSEC Status

Los Angeles, USA

Canadian Internet Registration Authority (CIRA)

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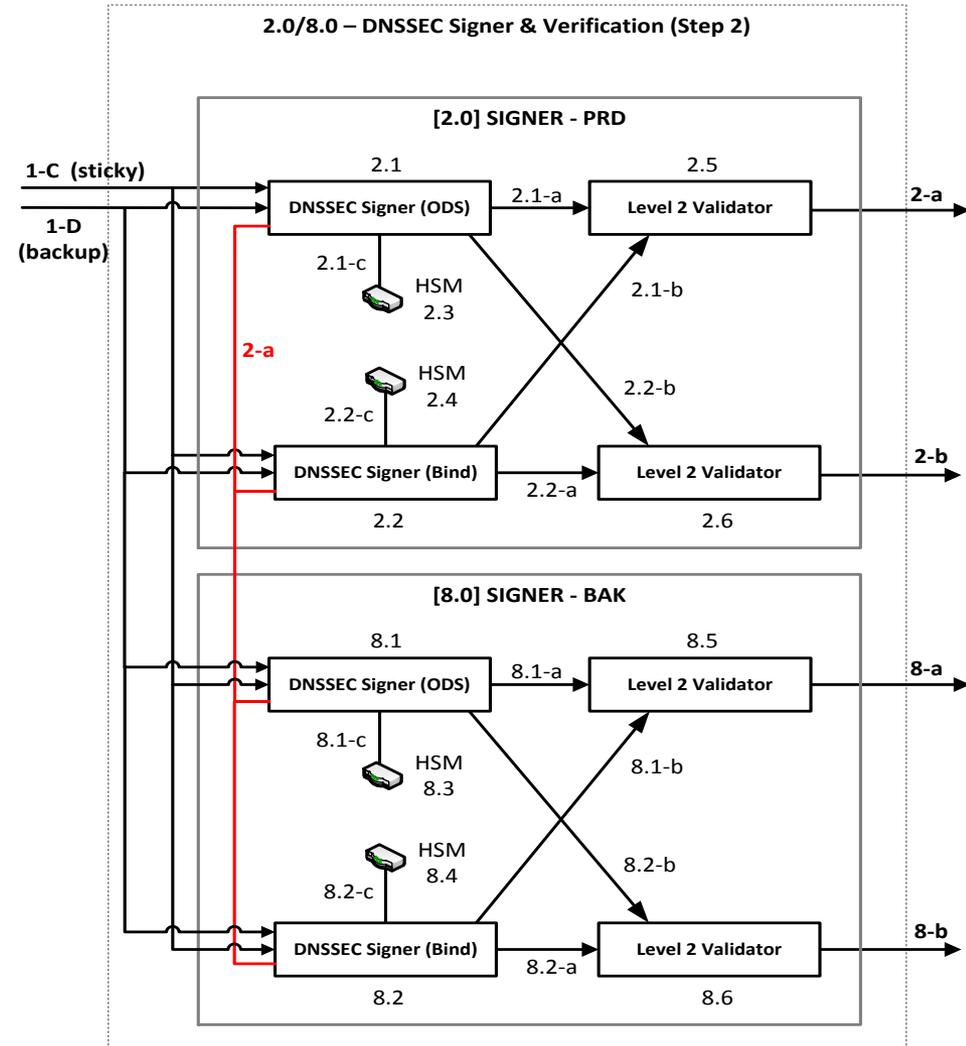
DNSSEC @ .CA

DNSSEC is a multi phase project

- Phase 1 – Sign .CA (completed January 2013)
 - Dual in-line signer – works great!
- Phase 2 – Implement DNSSEC support in the .CA registry (completed March 2014)
 - Canadian solution eh!
- Phase 3 – Promote adoption of DNSSEC in Canada
 - .CA registrars, Internet service providers, enterprise
 - On-going

DNSSEC Signer & Validation

- Dual online signer sets located in different locations
 - Sign with Bind & OpenDNSSEC
 - Signed zone file validation
 - DR site always up to date
- Resilient solution
 - 1 year 9 months in production
 - 21 ZSK rollover
 - 1 KSK rollover – all good!



DNSSEC in the .CA Registry

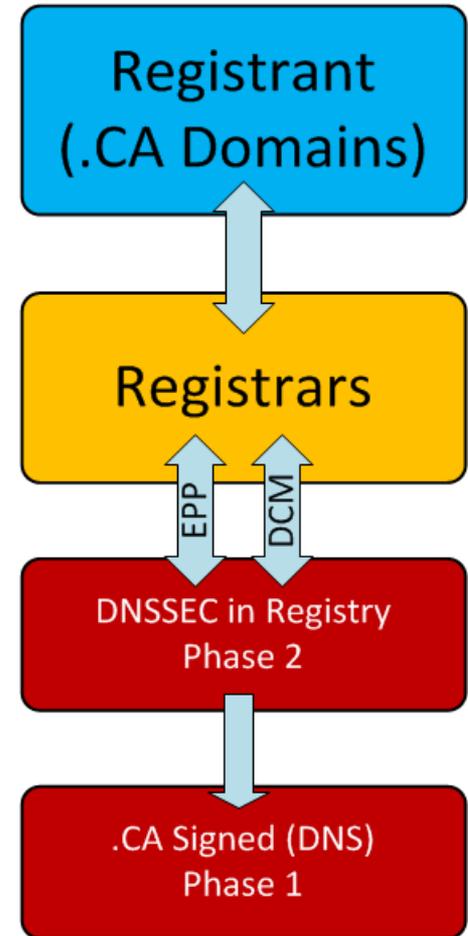
- Primary objectives:

Keep it simple for Registrars to work with .CA

eh!

DNSSEC in the .CA Registry

- Accepting DNSSEC material from Registrants via the Registrars into the registry for inclusion in .CA zone file
- EPP extensions for DNSSEC are defined in RFC5910.
 - Support DS interface
 - Support DNSKEY interface
 - Support DS and DNSKEY



.CA Registrars

- Web 😊
- Not EPP 😞
- 93 signed domains



.CA MARKETPLACE

Refine your search results by selecting all the services you'd like. Results will refresh automatically.

- Website Hosting
- Website Creation Templates

BUSINESS LOCATION BY PROVINCE

Select province

CERTIFIED SUPPORT SERVICES

ADVANCED SERVICES

- Email Hosting
- To-Be-Released (TBR) Registrations
- IPv6 Address Support
- French-Accented Domain Name Registration
- Support in Multiple Languages
- DNSSEC
- Registry Lock

Get Your .CA Now!

Have a .CA in mind that you would like to register? Check for its availability by searching below.

mywebsitename.ca **SEARCH**

French characters 4

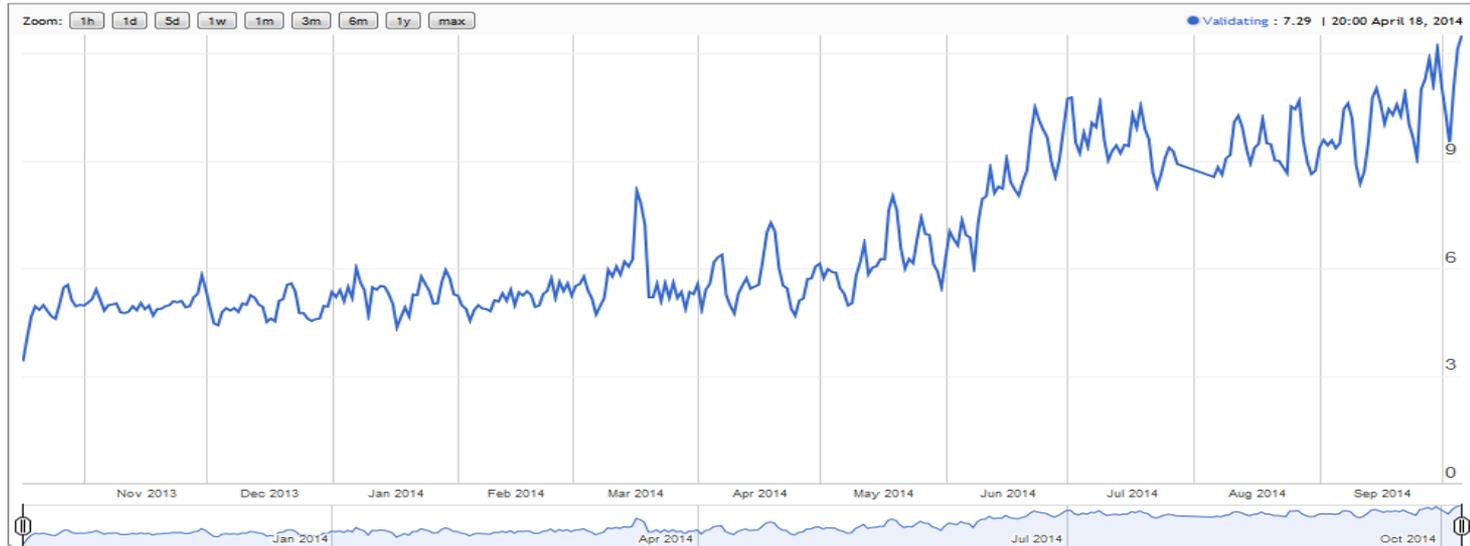
Viewing by: Random Sort by: Random

Click "Buy Now" to register your .CA or "Learn more about this provider" to explore the services they offer.

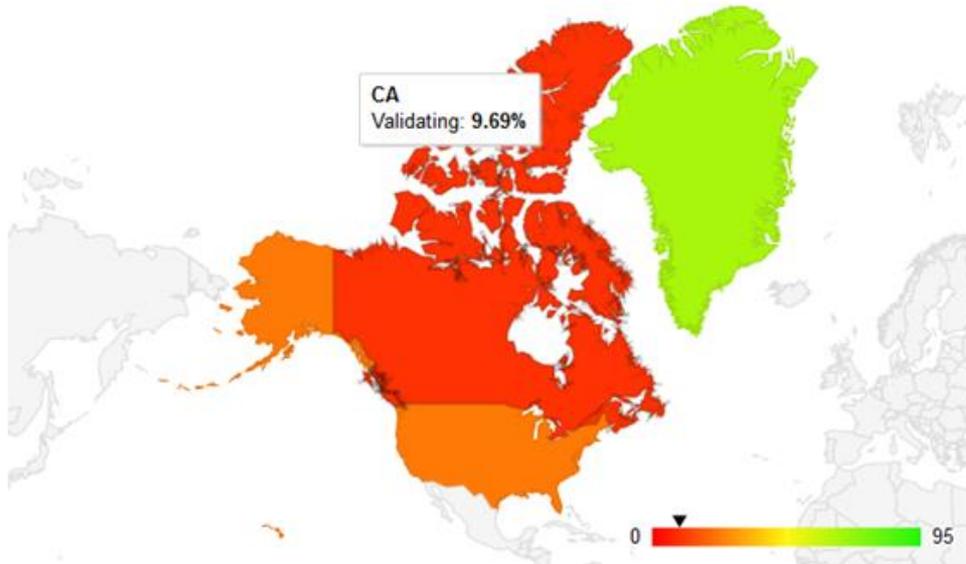
- webnames.ca** - securing internet identities. Webnames.ca Inc. **BUY NOW**
- namespro.ca** - professional, proven, proudly canadian. Namespro.ca **BUY NOW**
- INTERNIC.CA** - Trusted, Secure, Canada's First Registrar. Internic.ca **BUY NOW**
- Domainsatcost.ca** - Your friendly Canadian web partner.
- DomainPeople**

ISPs - Good News

Use of DNSSEC Validation for Canada (CA)



Region Map for Northern America (021)



Source:

<http://gronggrong.rand.apnic.net/cgi-bin/ccpage?c=CA&x=1&g=0&r=1&w=3>

Questions

- If you want our DNSSEC Registrar specifications document, let me know, 40 pages of good stuff.
- Please contact us @ CIRA if you have any questions

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