DNSSEC at .br update

ICANN 39 – 08/12/2010 – Cartagena de Indias
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Who we are?

- Not for Profit executive arm of the .BR Internet Steering committee
    - Internet Infrastructure Provider
    - Registry for .br
    - NIR for Brazil (~800 ASN)
    - IX promoter and operator at 12 major cities
    - Brazilian CERT (CERT.br)
    - ICT statistics provider (5 year series)
    - Internet quality measurement program

- 2.3 million domain names

- 66 second level zones

- http://nic.br/

- Started with firm plans Dec/2006

- Initial deployment 04/06/2007
  5 small zones
       .br .blog.br .eng.br .eti.br .gov.br

- DS collection since day one
  All registry interfaces
       WEB interface
       EPP (RFC4310)

- Final Deployment at all zones 15/01/2009
  Signature with NSEC3 (RFC5155)
  3 Large zones .org.br .net.br .com.br

- Deploy DNSSEC as mandatory to chartered SLD for high value domains
  - No functioning DS means no delegations
  - First one for the Judiciary Power (JUS.BR)
    - Oct/2007
  - Second one for Banks (B.BR)
    - Sep/2008

- Provide automation tools for Hosting Providers (http://registro.br/dnsshim/)

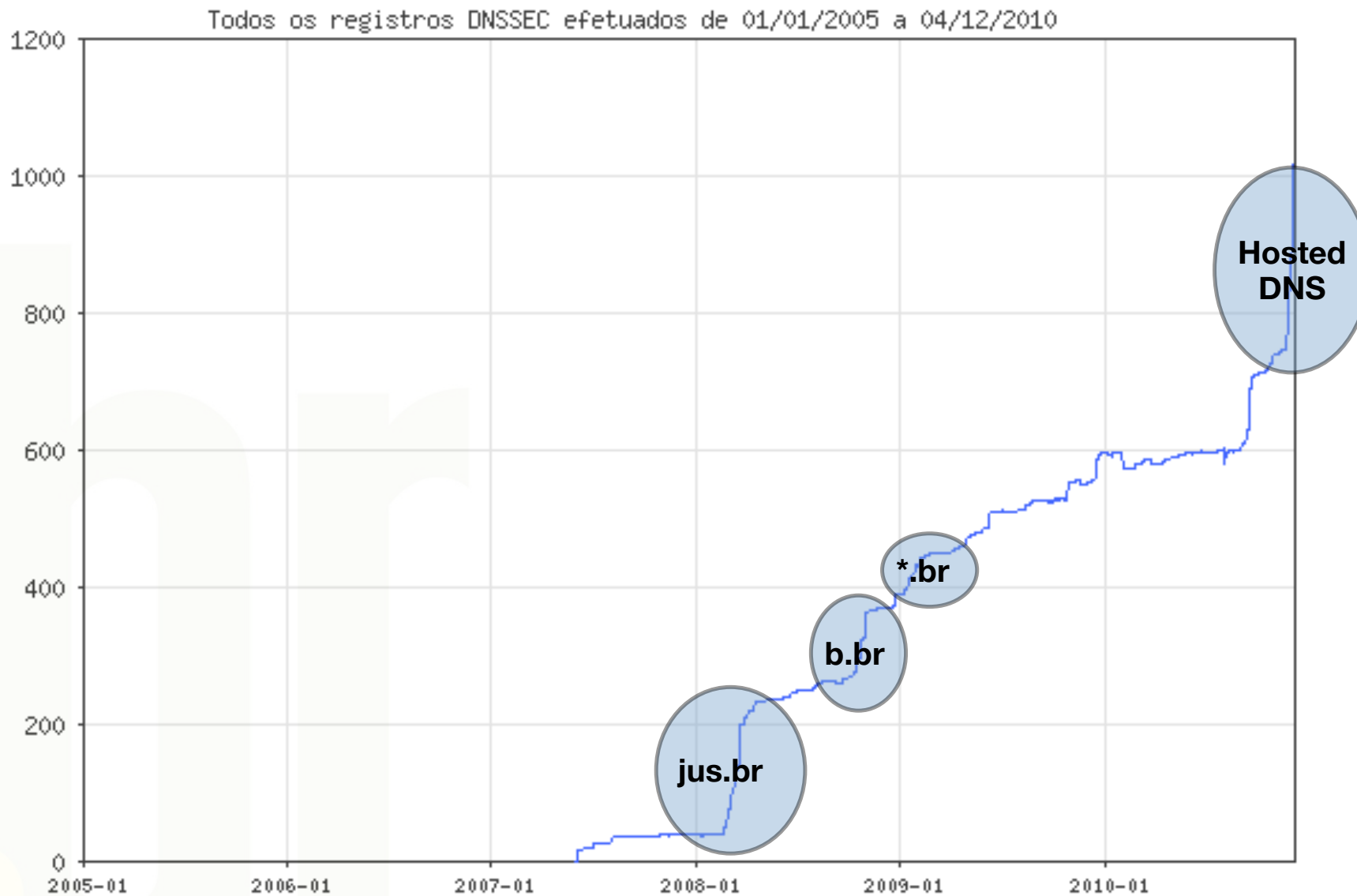- Training

- Continue outreach to ISPs and Hosting Providers

Automated Rollover Events

- 26/07/2010 Successfully finished .br KSK rollover from our old key management system

- Smooth operations since complete automation in May
  3 br zsk rollovers
  7 *.br zsk rollovers

- 22/11/2010 3rd ceremony – 2011 1
  covering period from Feb 2011 to Jul 2011
  2 br zsk and 6 *.br zsk rollovers
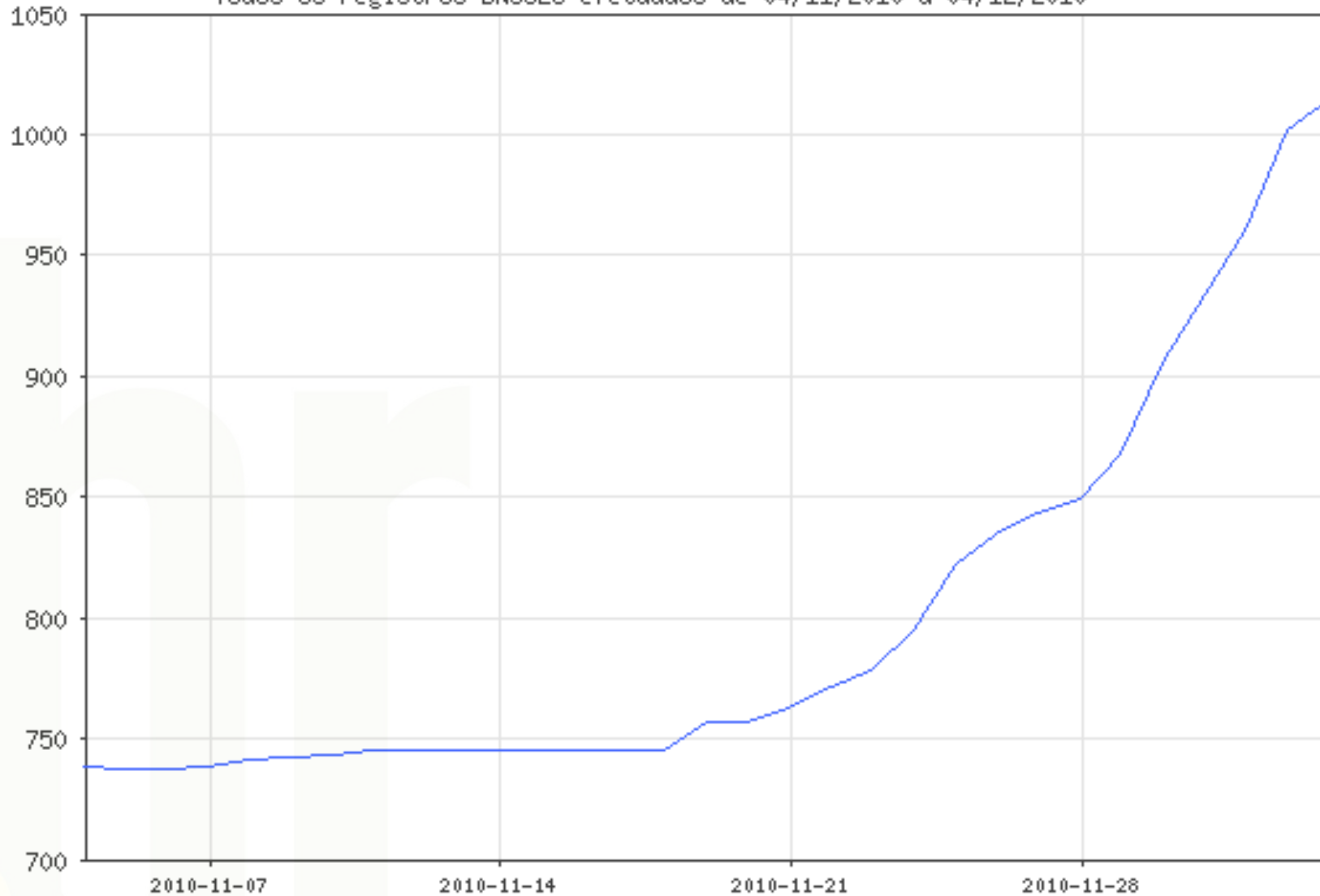
Hosted DNS

- Available for direct customers free of charge

- Uses DNSSHIM as provisioning backend
  - Zones signed by default
  - Dogfooding

- Basic Interface
  - A and MX at apex
  - www CNAME apex

- "Advanced" interface
  - A AAAA CNAME MX TXT
  - Up to 40 RR

- Raising the bar for ISP DNS service

Todos os registros DNSSEC efetuados de 01/01/2005 a 04/12/2010

Hosted DNS

*.br

b.br

jus.br

Updated daily http://registro.br/stat/dnssec.html

nic.br

Núcleo de Informação e Coordenação do Ponto BR

Todos os registros DNSSEC efetuados de 04/11/2010 a 04/12/2010

Updated daily http://registro.br/stat/dnssec.html

cgi.br

Questions / Comments

Thanks