.br lame delegation control

Frederico A C Neves
<fneves@registro.br>

Procedures

- Accept new/changes of delegation only with correct configured servers.

- Check for correct delegation daily for domain names with problems and weekly for domain names without problems

- Track last date of correct answer and last date of verification (available at whois)

- Report to problems with instructions for correction to contacts bi-weekly

Problem size / Solution

- ~ 450000 domain names, near 1000000 NS records.

- Daily checks near 20% of the domain names.

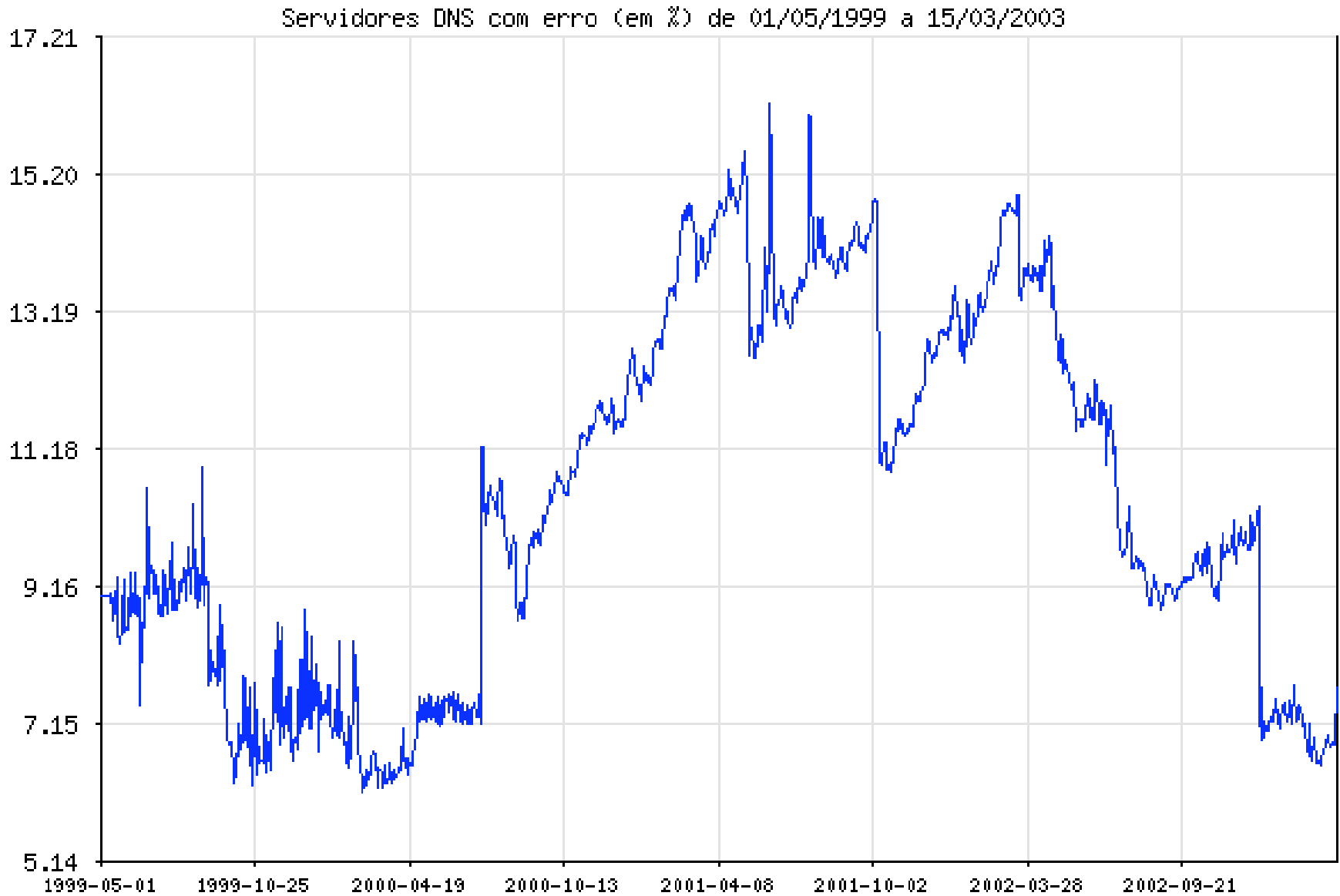- Software checks 350 delegations/s, near to 10 minutes/day

Status summary 03/16/2003

	%
Regular	
DNS OK	90.84
DNS Timeout	1.47
Irregular	
Non AA	0.05
Unknown Domain name	5.05
Unknown DNS server	1.19
DNS fail	0.23
Query refused	0.04
CNAME	0.12
Zone not synchronized	0.53
Connection refused	0.48
Irregular total	7.68

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Stats track

Servidores DNS com erro (em %) de 01/05/1999 a 15/03/2003

Registro.br - IEPG IETF56

Next Steps

- Trying to compare the volume of "garbage" at TLD servers compared to the amount of lame delegation on the zone. (other TLD help needed)

- Start to enforce the 180 days of lame delegation policy

Questions

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