j.gltd.biz's A record is __*so*__ not missing

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j.gltd.biz

- A server for the "dotUS" zone
- It (the name anyway) has no IPv4 address
- Added in March or May 2007
  - Comment from IANA: "Are you sure?"
- Only IPv6-only server as glue in root

dig this

- `dig @j.gtld.biz j.gtld.biz any`

  `...`

- `;; Got answer:`
- `;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 45907`
- `;; flags: qr rd ra; Q: 1, ANCOUNT: 1, AU: 0, AD: 0`
- `;; QUESTION SECTION:`
- `;j.gtld.biz.          IN ANY`
- `;; ANSWER SECTION:`
- `j.gtld.biz. 513261  IN AAAA    2001:503:a124:...:ff7e`
- `;; SERVER: 0.0.0.1#53(0.0.0.1) ... we *had* to be proxied`
- `;; WHEN: Sat Dec  1 12:55:09 (EST) 2007`
- `;; MSG SIZE  rcvd: 56`

dig on v6

- dig @j.gtld.biz j.gtld.biz any
- ;; ->>HEADER<<- QUERY, NOERROR, id: 49081
- ;; flags: qr aa rd; Q: 1, AN: 1, AU: 11, AD: 14
- ;; QUESTION SECTION:
- ;; ANSWER SECTION:
- j.gtld.biz. 518400 IN AAAA   2001:503:a124:...:ff7e
- ;; AUTHORITY / ADDITIONAL SECTION:
- ;; SERVER: 2001:503:a124:ffff:ffff:ffff:ffff:ff7e#53
- ;; WHEN: Sun Dec 2 11:03:16 2007
- ;; MSG SIZE rcvd: 502

Complaints

- We've had a few (or was that "regrets")
- Reports go like this:
  - Them: You're missing an A record
  - Us: No we are not
  - Them: Okay
- We've looked for indirect reports too
  - googled for "j.gtld.biz issues" and such

Old Software

- Most called in reports are from users with old name servers

  – We have a particular demographic for some of the zone that tends to not update software

  – We have prepared a FAQ for talking to these folks

- BTW, to them: we *are* RFC compliant

Over zealous testing

- Some DNS zone testing tools label US. as broken because of the missing, err, non-existent A record

A curiosity

- When we recently looked at the queries for names to our servers

  – j.gtld.biz was the 5th most queried name

- We just noticed this, it's as surprising as so many A6 queries (see IEPG Prague)

- No, we don't have a hypothesis or more info at this time

Summary

- The biggest impact has been to customer service

- We will not give j.gtld.biz an A record any time soon
  - NSs do not require As

- Please fix testing tools

- Yes, this presentation is in color