

Omniscient AS I I 2

Open Questions

draft-wkumari-dnsop-omniscient-as I I 2

Overview

- What's the problem?
- Solution space.
- Omniscience for all!
- What do we return?

What's the problem?!

- Is there one?
- Is it worth solving?

Solution space.

- Local zones
- Change of ASI I2 nature / management.
- This
- Something else.

Omniscience for all!

- Optional!

```
$> dig example.com @dns-test.snozzages.com +nocomment
```

```
; <<>> DiG 9.8.3-PI <<>> example.com @dns-test.snozzages.com +nocomment
```

```
:: global options: +cmd
```

```
; example.com.          IN  A
```

```
example.com.          300 IN  SOA a.as | 12.net. hostmaster.as | 12.net. | 1800 900 604800  
604800
```

```
:: Query time: 50 msec
```

```
:: SERVER: 204.194.22.104#53(204.194.22.104)
```

```
:: WHEN: Tue Mar 12 09:09:03 2013
```

```
:: MSG SIZE  rcvd: 107
```

- Fun! But good?

What do we return?

```
$ dig PTR 1.1.1.10.in-addr.arpa @scratch-monkey.snozzages.com
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 37808
;; flags: qr aa rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 0
;; QUESTION SECTION:
;1.1.1.10.in-addr.arpa.      IN      PTR
;;AUTHORITY SECTION:
1.1.1.10.in-addr.arpa.  300    IN      SOA     a.as | 12.net. hostmaster.as | 12.net. | 604800 2592000 604800 604800
```

```
$ dig PTR 1.1.1.10.in-addr.arpa @dns-test.snozzages.com
;; ->>HEADER<<- opcode: QUERY, status: NXDOMAIN, id: 40361
;; flags: qr aa rd; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 0
;; QUESTION SECTION:
;1.1.1.10.in-addr.arpa.      IN      PTR
;;AUTHORITY SECTION:
1.1.1.10.in-addr.arpa.  300    IN      SOA     a.as | 12.net. hostmaster.as | 12.net. | 1800 900 604800 604800
```