

DuckCorp Infrastructure - Enhancement #292

DNSSEC authoritative nameservers and validating resolvers should be separated

2012-02-13 23:19 - Marc Dequènes

| | |
|--|-----------------------------------|
| Status: Blocked | Start date: 2012-02-13 |
| Priority: Low | Due date: |
| Assignee: Marc Dequènes | % Done: 0% |
| Category: Service :: DNS | Estimated time: 0.00 hour |
| Target version: | |
| Patch Available: No | Entity: DuckCorp |
| Confirmed: No | Security: No |
| Branch: | Help Needed: Yes |
| Description | |
| According to RFC4035 3.1.6 (The AD and CD Bits in an Authoritative Response), it is normal behavior an authoritative nameserver returns AA without AD flag. In bind9 there is no way to either consider authoritative zones data to be authentic « without further validation », or redo validation (which would be silly while serving the zone outside). | |
| Considered solutions: | |
| <ul style="list-style-type: none">• on DNS servers: try to use a bind9 view for localhost request, which would not share any zone but act as a recursive validating resolver if possible, or use unbound as validating resolver (in resolv.conf only)• on other servers: use unbound as validating resolver | |
| Related issues: | |
| Blocked by DuckCorp Infrastructure - Enhancement #287: 42 DNS | Rejected 2012-02-03 |

History

#1 - 2012-02-13 23:34 - Marc Dequènes

Maybe having unbound listen on 127.0.0.1, have resolv.conf use it, and bind9 servers always listen only on external IPs would be a simpler and an easier to maintain configuration (i'm less and less thinking a view could help because it still has to revolve which probably will become an impossible request loop).

#2 - 2012-02-14 17:04 - Marc Dequènes

- Status changed from New to In Progress

On machines using DHCP, using unbound and resolconf should be fine.

#3 - 2012-11-24 14:54 - Marc Dequènes

- Priority changed from High to Normal

#4 - 2014-02-23 00:17 - Marc Dequènes

- Tracker changed from Bug to Enhancement

- Priority changed from Normal to Low

#5 - 2015-07-09 01:02 - Marc Dequènes

- Help Needed changed from No to Yes

#6 - 2015-07-10 16:26 - Marc Dequènes

- Blocks deleted (Enhancement #273: DNS-secured CERTs using TLSA)

#7 - 2017-04-21 10:16 - Marc Dequènes

- Status changed from In Progress to Blocked