

draft-brown-rdap-ttl-extension

Gavin Brown, IETF 121, Dublin, November 2024

What is it?

- A way to provide information about the TTL value(s) used for delegation and glue
- A way to provide information about the policies applicable to those values
- A complement to draft-ietf-regext-epp-ttl
- ...but not a dependent of it

Example

```
{
  "objectClassName": "domain",
  "ldhName": "example.com",
  "ttl": [
    {
      "types": [ "NS", "A", "AAAA" ],
      "value": 3600
    },
    {
      "types": [ "DS" ],
      "value": 300,
      "events": [ ... ],
      "remarks": [ ... ]
    }
  ]
}
```

- Extends *domain* and *nameserver* objects.
- Record types with the same TTL are grouped together.
- Each object can have *events* and *remarks* (which can in turn have *links*).

Rationale

- Parity with other delegation data, eg nameservers, DS records, glue
- Assists debugging and monitoring
- Allows DNS operators to locate registry policies

Next steps

- Publish -01 based on previous feedback
- Submit for WG adoption once draft-ietf-regext-epp-ttl is published as an RFC
- Git repository: <https://github.com/gbxyz/rdap-ttl-extension>

Thanks! Questions?