RDAP TTL Extension (draft-brown-rdap-ttl-extension)

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What is it?

- Allows DNS TTL information to be included in RDAP responses (domains and nameservers).
- Complementary to, but not dependent on, the EPP TTL extension.

Why?

- It makes sense to provide certain information about domain names and out-of-band - we do it already for NS records, DS records and glue. This is important for diagnostics, debugging, etc.
- If TTL values are going to become “volatile”, third parties will want to use RDAP to check what *should* be in the DNS.

How

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

- The `ttl` property is an array of objects.
- Objects have a `types` property which is an array of DNS record mnemonics.
- `value` is the TTL.
- The object **MAY** have `events` and `remarks` properties.

Next steps

- I want to get the EPP extension finished before taking this any further.
- Request WG adoption Q3/4 ahead of IETF 121 in Dublin.

Any questions?

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