

draft-newton-regex-rdap- domain-availability

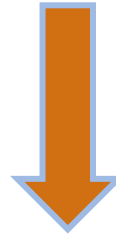
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Very Simple

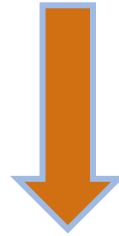
- No new JSON
- Introduces two query parameters:
 - `availabilityCheck=1`
 - `availabilityInformation=1`
 - Backwards compatible: servers that do not support this extension will carry-on as usual

GET <https://example.com/domain/foo.example.com?availabilityCheck=1>



```
200 OK
{
  "rdapConformance" : [ "rdap_level_0",
"domain_check_0" ],
  "objectClassName" : "domain",
  "ldhName" : "foo.example.com",
  "status" : [ "inactive", "redemption period" ]
}
```

GET <https://example.com/domain/bar.example.com?availabilityCheck=1>



404 NOT FOUND

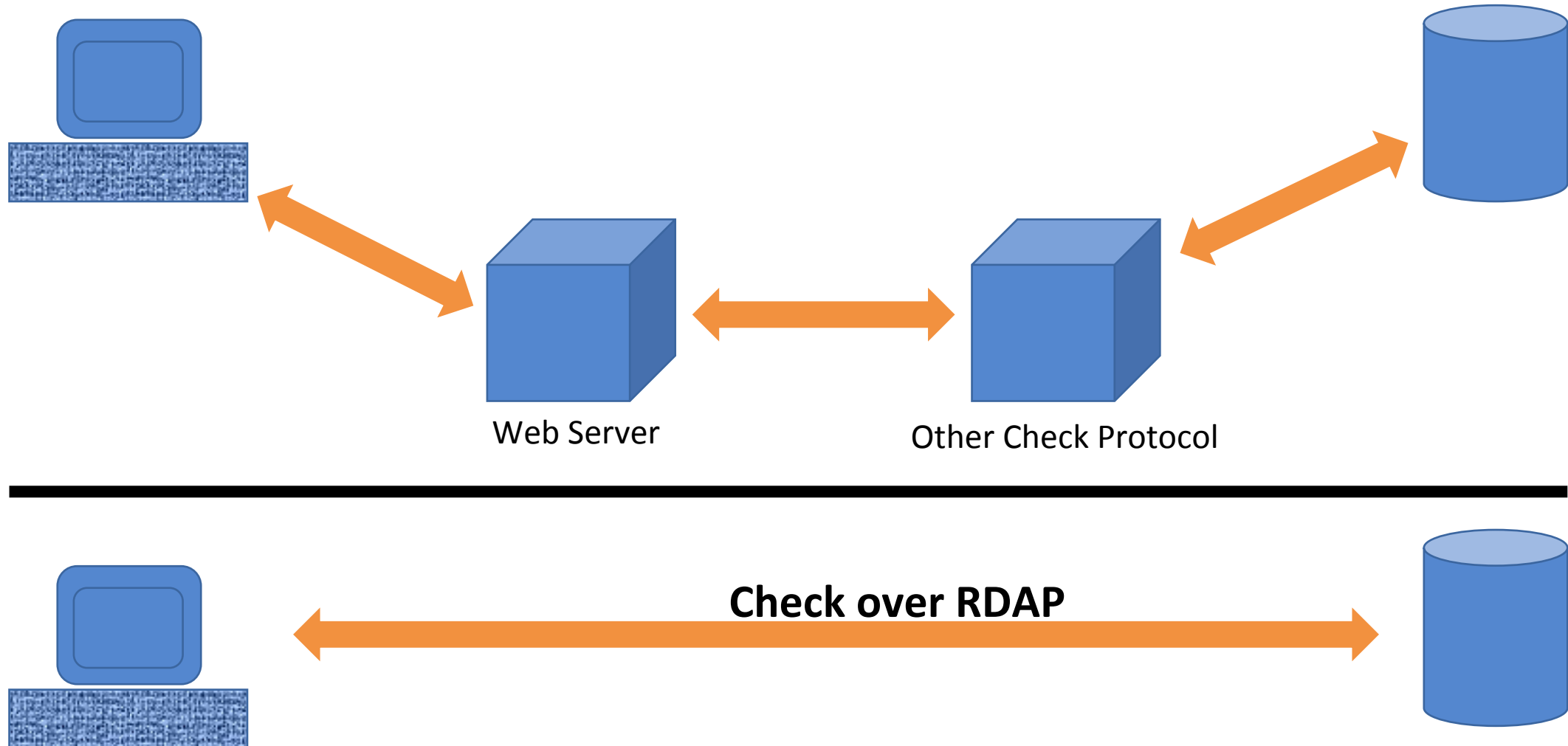
availabilityInformation=1

- Similar to availabilityCheck=1
- But if the domain is registered (*200 OK*),
 - the client wants all the information it would normally receive in RDAP.
 - prevents a second query for the information

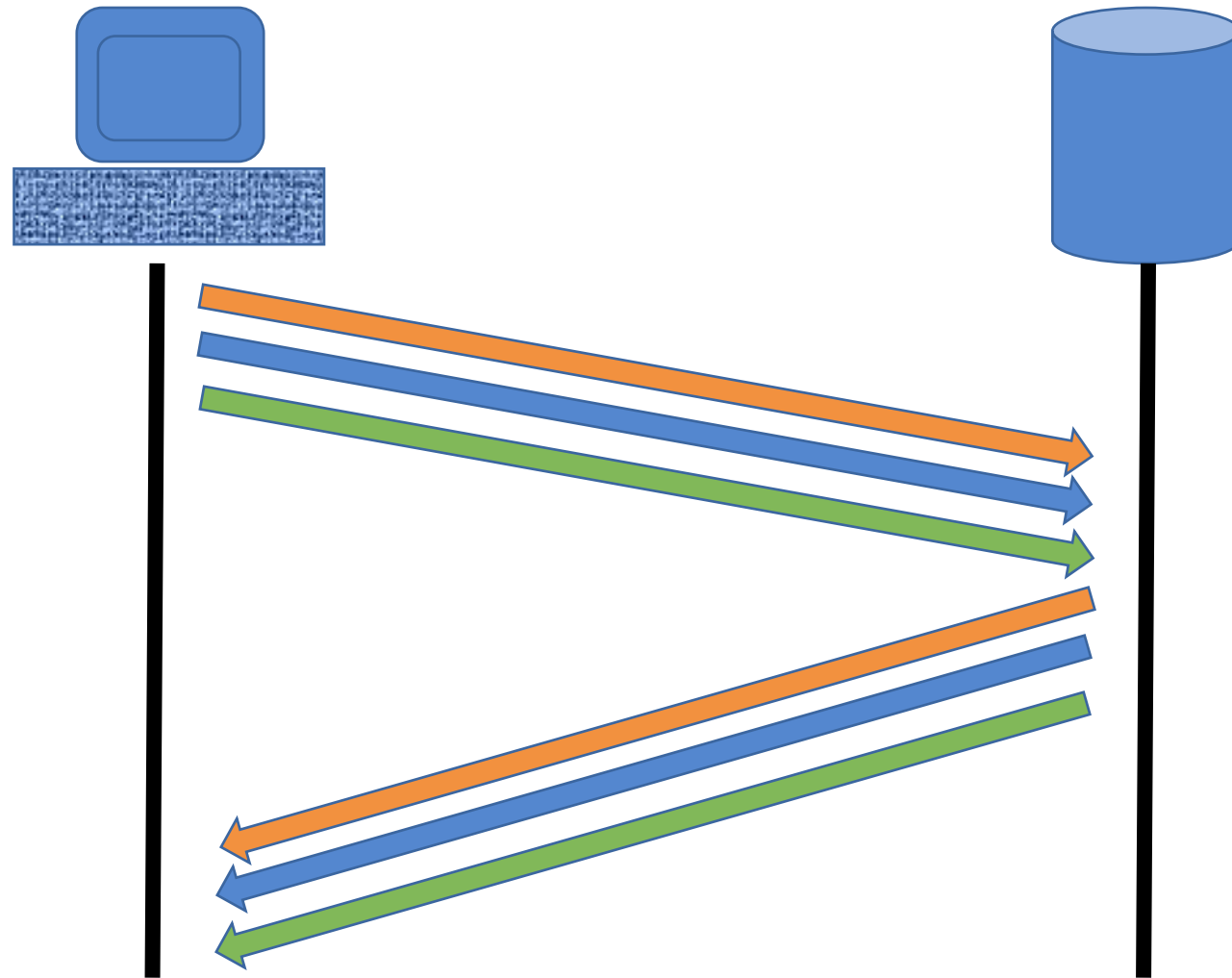
Why?

- Several TLD Registries already offer HTTP REST checks
- It's simple.
- Easy to integrate into a browser.

Non-HTTP Checks Require More Hops



Bulk Operations – HTTP Pipelining / MultiPlexing



Questions?