draft-newton-regext-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

Web Server

Other Check Protocol
Bulk Operations – HTTP Pipelining / MultiPlexing
Questions?