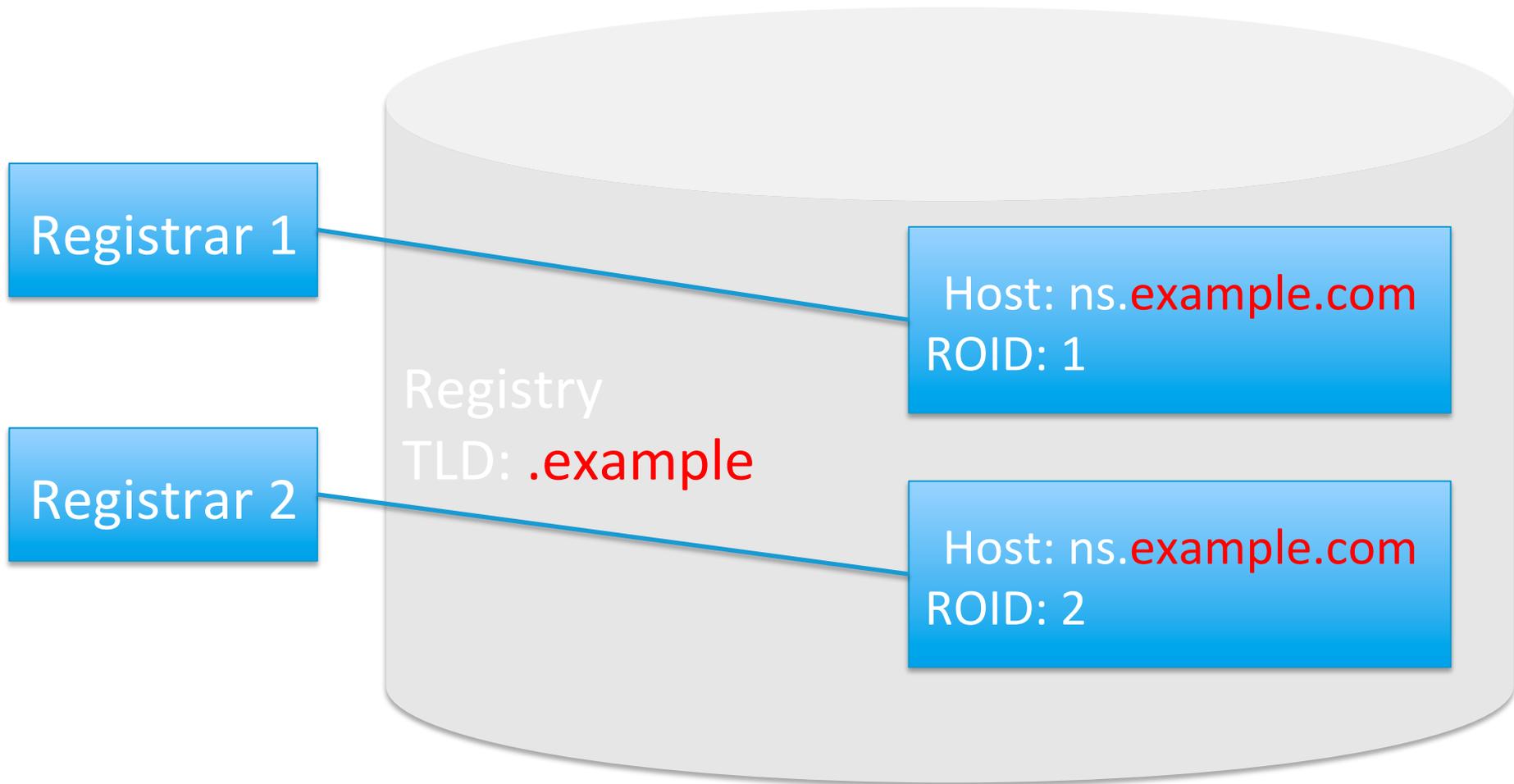


draft-lozano-rdap-nameservers-sharing-name-00

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RDAP nameservers sharing name – Introduction



RDAP nameservers sharing name – Introduction

- The RDAP protocol supports nameserver object lookup based on the name of the nameserver, therefore it may not be possible to retrieve the registration information of a **particular** nameserver object sharing the name with other nameserver object.

RDAP nameservers sharing name – how it works

```
{
  "objectClassName" : "nameserver",
  "handle" : "ROID123",
  "ldhName" : "ns1.foo.example",
  "status" : [ "active" ],
  "ipAddresses" :
  {
    "v4": [ "192.0.2.1", "192.0.2.2" ],
    "v6": [ "2001:db8::123" ]
  },
  "links" :
  [
    {
      "value" : "https://example.net/q/nameservers?name=ns1.foo.example",
      "rel" : "collection",
      "href" : "https://example.net/q/nameservers?name=ns1.foo.example",
      "type" : "application/rdap+json"
    }
  ],
  "events" :
  [
    {
```

The following is an example of a response to a nameserver lookup for a nameserver object sharing the same name with other objects.

RDAP nameservers sharing name – how it works

```
...
"nameserverSearchResults" :
[
{
  "objectClassName" : "nameserver",
  "handle" : "ROID123",
  "ldhName" : "ns1.foo.example",
  "entities" :
  [
    {
      "objectClassName" : "entity",
      "handle" : "Rr1",
      "roles" : [ "registrar" ],
      ...
    },
    ...
  ],
  ...
},
{
  "objectClassName" : "nameserver",
  "handle" : "ROID321",
  "ldhName" : "ns1.foo.example",
  "entities" :
```

An RDAP service that conforms to this specification **MUST** support nameserver search by nameserver name as described in section 3.2.2. of [RFC7482].

RDAP nameservers sharing name – how it works

- A server that conforms to this specification **MUST** support lookup queries of nameserver objects by the handle of the nameserver using the custom path "handle_nameserver".
- The appropriate structure for a response to a "handle_nameserver" lookup query is the same as the structure used for a response to a nameserver lookup query defined in section 3.1.4 of [RFC7482].
- For example: *https://example.com/rdap/handle_nameserver/ROID123*

Engage with ICANN



Thank You and Questions

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