ICANN Registry Request Service

Ticket ID: I9F1W-1I5H7
Registry Name: DNS.be vzw
gTLD: .brussels
Status: ICANN Review
Status Date: 2017-07-20 14:00:29
Print Date: 2017-07-20 14:00:53

Proposed Service

Name of Proposed Service:

Change from host objects to host attributes for nameserver information for .vlaanderen and .brussels

Technical description of Proposed Service:

As we move the platform of .vlaanderen and .brussels from TLDbox (nic.at) to our own platform (DNS Belgium), we will change how nameserver information linked to domain names is managed in the system. Currently, TLDbox stores nameserver information as host objects and links these objects to domain names. DNS Belgium will store and link the nameserver information as a host attribute to the domain name itself in it's own platform. DNS Belgium will ensure a seamless transition when changing platforms for current data, meaning that host objects linked to a domain name will be transformed into host atrributes of that domain name itself.

Consultation

Please describe with specificity your consultations with the community, experts and or others. What were the quantity, nature and content of the consultations?:

No specific consultations were made with the community or experts.

a. If the registry is a sponsored TLD, what were the nature and content of these consultations with the sponsored TLD community?:

Not a sponsored TLD

b. Were consultations with gTLD registrars or the registrar constituency appropriate? Which registrars were consulted? What were the nature and content of the consultation?:

All registrars were informed about the changes the new platform would bring. Two registrars were consulted during our alpha test phase, namely registrars bNamed.net and Hosting Concepts B.V. (Openprovider). They tested our system so we could reassure the changes we've made are acceptable. No comments were received on the use of host attributes.

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c. Were consultations with other constituency groups appropriate? Which groups were consulted? What were the nature and content of these consultations?:

Not applicable

d. Were consultations with end users appropriate? Which groups were consulted? What were the nature and content of these consultations?:

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e. Who would endorse the introduction of this service? What were the nature and content of these consultations?:

Not applicable

f. Who would object the introduction of this service? What were(or would be) the nature and content of these consultations?:

Not applicable

Timeline

Please describe the timeline for implementation of the proposed new registry service:

On 1 October, the current system will be migrated from TLDbox (Nic.at) to the DNS Belgium platform. The changes will be applicable as of the 1st October after the transition has been completed.

Business Description

Describe how the Proposed Service will be offered:

All current host objects in TLDbox that are linked to a domain name are migrated to the new platform and will be changed into host attributes. Host objects not linked to a domain name, won't be migrated. After the transition, nameservers can only

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be added with a create domain or an update domain epp command. When a domain name is deleted per epp command, the host attribute will be deleted as well. A check domain and info domain command are used to get more info on the hosts. This means that the create host, update host, check host, info host and delete host epp commands can't be used anymore.

Describe quality assurance plan or testing of Proposed Service:

To guarantee the proper working of our system, we have tested each month, starting from November 2016, a migration of our current database on TLDbox to our new internal platform. This way, we could test the difference between the two systems in detail. On top of that, we have automated tests for the whole system that run every week.

Please list any relevant RFCs or White Papers on the proposed service and explain how those papers are relevant.:

  - RFC 5731
  - RFC 5732

Contractual Provisions

List the relevant contractual provisions impacted by the Proposed Service:

  There are no relevant contractual provisions that are impacted by this change.

What effect, if any, will the Proposed Service have on the reporting of data to ICANN:

  There will be no effect on reporting of data to ICANN

What effect, if any, will the Proposed Service have on the Whois?:

  There is no effect on WHOIS.

Contract Amendments

Please describe or provide the necessary contractual amendments for the proposed service:

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There are no contractual amendments needed for this change in service.

Benefits of Service

Describe the benefits of the Proposed Service:

Host attributes are used as well for .be, the other tld under management of DNS Belgium. By changing host objects into host attributes, we align the new platform with .be. This will be easier to maintain by the DNS Belgium engineering team and which offers the same way of working for all DNS Belgium's TLDs.

Competition

Do you believe your proposed new Registry Service would have any positive or negative effects on competition? If so, please explain.:

This will have no effect on competition whatsoever.

How would you define the markets in which your proposed Registry Service would compete?:

Not applicable

What companies/entities provide services or products that are similar in substance or effect to your proposed Registry Service?:

Not applicable

In view of your status as a registry operator, would the introduction of your proposed Registry Service potentially impair the ability of other companies/entities that provide similar products or services to compete?:

Not applicable

Do you propose to work with a vendor or contractor to provide the proposed Registry Service? If so, what is the name of the vendor/contractor, and describe the nature of the services the vendor/contractor would provide.:

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Not applicable

Have you communicated with any of the entities whose products or services might be affected by the introduction of your proposed Registry Service? If so, please describe the communications.:

There have been several communications already to make registrars aware of the coming changes. Registrars can as well already connect on our test system to fully test the new platform.
- A delta document which listed the differences between the current and the new platform was created and communicated to the registrars
- Presentations were held with registrars one on one to point out these differences
- With the start of alpha and beta test phases, every registrar has received a communication with a link to the manuals of our new platform.

Do you have any documents that address the possible effects on competition of your proposed Registry Service? If so, please submit them with your application. (ICANN will keep the documents confidential).:

No extra documents submitted

Security and Stability

Does the proposed service alter the storage and input of Registry Data?:

Because name server information is immediately linked to a domain name, we need to store less information than for host objects. Host attributes are linked directly with domain name object, so we don't store any separate attributes for hosts anymore, such as:
- roid
- clID
- crID
- crDate
- upID
- upDate
- trDate
- status values: linked, ok, pendingTransfer, pendingDelete, serverDeleteProhibited/clientDeleteProhibited, serverUpdateProhibited/clientUpdateProhibited
Every input of hosts via epp will happen through domain related epp commands. Following host transactions aren't applicable anymore:

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- Check host

- Info host

- Create host

- Delete host

- Update host

Please explain how the proposed service will affect the throughput, response time, consistency or coherence of reponses to Internet servers or end systems:

No impact from the proposed service on throughput, response time, consistency or coherence of responses to Internet servers or end systems

Have technical concerns been raised about the proposed service, and if so, how do you intend to address those concerns?:

No technical concerns have ben raised about the proposed service.

Other Issues

Are there any Intellectual Property considerations raised by the Proposed Service:

No

Does the proposed service contain intellectual property exclusive to your gTLD registry?:

No

List Disclaimers provided to potential customers regarding the Proposed Service:

No disclaimers provided for this proposed service.

Any other relevant information to include with this request:

No other relevant information included.