

Distributing premium and reserved domain lists in new gTLDs

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The word “omnishambles” comes to mind.

No consistency in distribution medium

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Hard for registrars to automate fetching

No consistency of distribution format

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Hard for registrars to parse

Sometimes we've had to *beg* registries to give us lists of reserved and premium names!

Have you ever tried to search the ICANN website for collisions lists?

The results aren't pretty.

Visit **<https://www.icann.org/namecollision>** and try to find out how you download the collisions lists.

I couldn't.

Is **draft-brown-epp-fees** enough?

Not quite.

Gets you pricing of individual **premium** domains.

Not all registries implement it.

Many registrars don't want to deal with premium domains at all.

Integrating it into off-the-shelf billing systems is at best awkward.

Doesn't give you collisions and reserved names.

Still possible for registrars to innocently allow premium domains to be registered.

Solutions?

Distribution of lists over DNS?

Publish TXT records under **_labels.nic.***
for labels on one of the three lists

NX = not premium, reserved, or on the collisions list

Querying **beer._labels.nic.irish** might yield the TXT
record “premium”.

Downsides?

DNS scares people for some reason.

Some registries treat data like this like crown jewels.

DNS is fine for technical staff, not so good for the business end of things.

Alternatives?

HTTP

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RFC 5785 (.well-known)

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RFC 4180 (CSV)

TL;DR

Registry publishes domain lists in a set format and naming scheme under [http\(s\)://nic.example/.well-known/](http(s)://nic.example/.well-known/)

Registrar periodically downloads these.

HTTP auth for crown jewels.

Problem solved.

Format

I outlined an initial sketch here:

<https://stereochro.me/weblog/3573>

Gavin expanded on it here:

<https://gitlab.centralnic.com/centralnic/draft-brown-domain-pricing/>

For premium domains, the fields are:
fqdn, class, reg_fee, renewal_fee, restore_fee.

fqdn field contains IDN u-labels to
avoid character encoding issues.

Filename in the format:
TLD-CURRENCY-YYYY-MM-DD-Z.csv

Reserved domains and those on the collisions list?

One column CSV file with only the fqdn column as previously specified.

Naming?

Canonical names are:

TLD-collisions.csv

TLD-reserved.csv

TLD-premium.csv

That last one does a 303 redirect to

TLD-CURRENCY-YYYY-MM-DD-Z.csv

What's needed?

I-D needed to describe the protocol.

Register names and name patterns
with well-known URI registry.