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ICANN Blog

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News from Identifier Technology Health Indicators (ITHI)



ICANN recently organized an ITHI workshop in its Washington DC office on September 7th. We had 18 participants, 11 of them from the community, representing a variety of stakeholders: [DNS operators](#), registry operators, registrars, ISPs, content providers, government, etc.

First, Amy Bivins from the Global Domains Division (GDD) presented the beta version of the [gTLD Marketplace Health Index](#). The beta version was published in July and available [here](#). Staff is now analyzing public comments and preparing to kick off a second round of work with a community Advisory Panel to expand and refine this set of marketplace metrics. Then the discussions were organized around two technical ITHI segments: [DNS operation](#) and [DNS registration](#).

In the [DNS operation](#) category, we first looked at things that can be observed at the [DNS root servers](#). From a set of measurements done on May 18th 2016, only 26% of queries resulted in a delegation that is useful to the resolver. Others queries resulted in either errors (4%) or the indication that the requested name did not exist (NX domain, 70%). Even more surprising, if proper caching had been done by [DNS resolvers](#), only 0.5% of the queries should have been sent!

More analysis could be done on the data collected at root servers. For example, we could look at the presence of certain [DNS options](#) to track the adoption over time of particular new [DNS technologies](#).

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abuse list. We could track this percentage on a daily basis per registry/registrar or TLD. We could also look at the "attack window" or time it takes from the first appearance on the Internet of an abusive name to the moment it appears in various anti-abuse lists.

The discussions were lively and the participants remained engaged until late in the evening.

What is next?

First, ICANN will organize another ITHI workshop at the M3AAWG meeting in October in Paris. Then, GDD and OCTO/ITHI will lead a high interest session at ICANN57 in Hyderabad.

We invite you to participate in these upcoming events!

For more information visit: <http://www.icann.org/ithi>

Comments

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sebuah informasi yang sangat berharga, saya gembira sekali telah menemukan website ini, Banyak website asing / luar negeri hyang saya ketemukan dan ini adalah situs yang patut saya referensikan keteman-teman saya sebagai medi informasi berharga dan inspirasi belajar yang efektif. Peluang usaha

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