



## **ENTRADA: The Impact of a TTL Change at the TLD-level**

*Thursday, 31 March 2016 14:00 (30)*

SIDN, the registry for the .nl ccTLD, managing 5,6 million .nl domain names, has recently made significant changes to its zone file publication policy:

- A new zone file is now available every hour, instead of every 2 hours.
- The delegation TTL value has been decreased to match the new publishing interval.
- The SOA minimum TTL value has been decreased from 900 to 600 seconds.

We used ENTRADA to analyse the impact of these changes on:

- Overall DNS traffic
- Specific query types
- Specific domain name types (popular, unpopular, nxdomain)

This presentation will show the results of this work.

We are also pleased to announce that ENTRADA is now available as open source project.

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### **ENTRADA**

ENTRADA (ENhanced Top-level Domain Resilience through Advanced Data Analysis) is a DNS big data platform built on top of Hadoop, we use it at SIDN Labs for analysing over 100 billion DNS queries. Each day ~400 million new queries are added.

### **Summary**

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**Session Classification** : Public Workshop: Data Analysis

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