



# DNS TRANSPARENCY

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Creating an audit trail for DNS record changes

<https://dnstransparency.org>

# The Problem



- The DNS is a pull based system, allowing some changes to go unnoticed
- Short term changes can be missed, resulting in damage to domain owners and their users
- This is not theoretical, multiple high profile attacks have have capitalized on this weakness

# The What



- A message bus service that propagates changes to TLD zones
- Receive live or pending changes to TLD zones from multiple points in zone update chain
- Aggregate all data sources, then make changes available to subscribers in real time or near real time

# The Who



- Tim April (Akamai)
- Barry Greene (Akamai)
- Warren Kumari (Google)
- Matt Ploessel (Digital Ocean)
- James Shank (Team Cymru)

With assistance from DHS, NCSC, and many others.

# How can you help?



## Registries and Registry Operators:

Contribute Data! We want to talk to you today!

## Registrars, Registrar Backends, and Authority Operators:

Stay informed and contribute data in Phase 2!

## Everyone:

<https://dnstransparency.org/stayinformed>



Thank You!

<https://dnstransparency.org>

We are creating an  
audit trail for DNS  
record changes.

We need your help.