Bloodhound: DNSSEC and DANE for the End-User

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DNSSEC Innovation: BLOODHOUND

- Mozilla-based DNSSEC enabled browser with DANE support
  - DNSSEC checking of all names on a page
  - Support for validation of certificates using the DANE protocol

- Available at:
  https://www.dnssec-tools.org/
  - Many other tools available
  - All DNSSEC Tools are FREE!!
DANE Test Sites

The following sites support the DANE protocol by publishing TLSA records. If you are developing software that supports the DANE protocol, you can visit these sites to test your DANE support. Note that we use the term “TLS certificate” here for what is commonly referred to as a “SSL certificate.”

HTTP – Valid TLSA Record With Valid CA-signed TLS Certificate
- https://fedoraproject.org
- https://torproject.org
- https://mcsrc.com/
- https://www.kuman.net/ - Note: the TLS certificate is for “kuman.net”, allowing you to test the use of wildcards.
- https://good.dane.verisignlabs.com
- https://www.statdnz.net/ - They host some seldom used resource record types in order to offer testing opportunities for existing and future DNS tools.

The following sites use a valid CA-signed TLS certificate, but the CA is CAcert, a free CA that is not commonly configured in web browsers:
- https://www.nlnetlabs.nl
- https://www.vulcando.it

The following site has a valid TLSA record and a valid CA-signed TLS certificate, but the domain is not tied into the global DNSSEC chain-of-trust, i.e. there is no DS record for huque.com in the .COM TLD:
- https://www.huque.com/
1 address = multiple DNS lookups

www.weather.com

www.foxnews.com
Valid Web Site Content
INVALID Web Site Content From DNS Based Attack
Bloodhound in Action

The goal of the DNSSEC-Tools project is to create a set of software tools, patches, applications, wrappers, extensions, and plugins that will help ease the deployment of DNSSEC related technologies.

- Read the Tutorials
- Explore the wiki
- See the Tool Descriptions and ScreenShots
- Download and Install

To contact the project developers, please write the users AT dnssec-tools.org mailing list or submit bugs to the bug database.

About DNSSEC-Tools

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