

What's new with OpenDNSSEC



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Place of OpenDNSSEC

DNSSEC adds a new dimension to DNS;

Zone files do no longer sit statically in your nameserver;

DNSSEC requires constant resigning, key management and SOA serial handling;

OpenDNSSEC is deliberately not integrated in a name server but acts as a bumb in the wire by sitting in between nameservers;

Signing zones, managing keys, roll-overs.

Non-technical change; transfer

Before OpenDNSSEC was in the hands the Swedish Internet Structure Foundation;

Several partners involved, distributed development, co-operation and focus hard;

NLnet Labs being one of them;

Since over a year fully transferred to NLnet Labs to secure development and maintenance.

NLnet Labs

Small non-profit focus on DNS to make for an open internet.

IPv6, routing, research, standardization, spread the word of open, free and safe Internet

Maintains suite open source DNS products:

- NSD, Unbound, GetDNS, Idns



OPENNETLABS

full subsidiary of NLnet Labs

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Enforcer overhauled

Complete rewrite;

- No more fixed roll-over scenarios;
- Change method, parameters during roll-over;
- TTLs, propagation delays modifiable during roll;
- Roll to unsigned; Double RRSIG, Double DS roll-over, algorithm rollover;
- Do emergency rollover while in roll-over

Any change permissible, not worry going bogus.

More changes

- Unsigned pass-through;
- Event driven instead of periodic task;
- Shared Keys;
 - Multiple zones can use the same KSK / ZSK for signing (does not require combined roll-over).
- Combined Keys;
 - ZSK and KSK being same key
- Some CLI renamed and operations changes.

Incremental 2.1, 2.2,.. development

Location, Location, Location

- The location of the user;
give better feedback to users, ease of use, specify less
- Procedural Environment;
Faster/dynamic updates; be aware of actual changes of zone on internet
- Operational Environment;
Monitoring, statistics, insight in next tasks, integrate with other programs in the DNS chain

Need your input

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