

DNSSEC news

DNSSEC workshop @ ICANN58



Danish Internet Forum



DNSSEC news from Denmark

2016: Focus on DNSSEC

- Self-service
- Terms & Conditions
- Tech media
- New algorithms
- EPP
- Workshop
- Statistics
- Talk to DNS operators

Self-service

Registrants can manage their domains directly with the registry.

Import keys

- Look up nameservers in WHOIS
- DNS query for DNSKEY over TCP
- Calculate DS

dnssec.dk		3618 - SHA-256	✓	● Ok		✓ Select
droso.dk		27104 - SHA-256	✓	● Ok		Deactivate DNSSEC service
erwin.dk		33305 - SHA-256	✓	● Ok		Deactivate DNSSEC key(s)
fnidder.dk		59785 - SHA-256	✓	● Ok		Add DNSSEC key
						Import DNSSEC key(s)
						Select

DIFC

Self-service

Import DNSSEC key(s)

1 Select DNSSEC key(s)

Select the key(s) you wish to import from the name server, to use for the following domain name.

Domain name

dnssec.dk

Choose DNSSEC key(s)

Choose all

3618 - SHA-1

[More information](#) +

3618 - SHA-384

[More information](#) -

Algorithm	RSASHA1-NSEC3-SHA1
Digest	f07748afcce8d94b5351f6155cfc6fc3e2543231169d318f98167c1f4b f8583989012cc6d966d93e30121bb009b7f49c

[CANCEL](#)

CONTINUE

2 Confirm

3 Receipt

DIFC

Terms & Conditions

- All nameservers have to be registered
- Allow Name Server Responsible (NSA) to handle DNSSEC keys
- Opt-out for registrant
- *No need to go through registrar*





Tech media

Danish tech blog Version2:

Danske hostingudbydere forsømmer DNS-sikkerhed: Under én procent af .dk-domæner sikret med DNSSEC

Danske web-brugere bliver mere sårbare for man-in-the-middle angreb, når DNS-sikkerhed ignoreres, lyder budskabet fra DK-Hostmaster.

Magnus Boye  @magnboye Onsdag, 28. september 2016 - 6:28  34

New(er) algorithms

Now support:

- 13 ECDSA Curve P-256 with SHA-256 ECDSAP256SHA256
- 14 ECDSA Curve P-384 with SHA-384 ECDSAP384SHA384

Planned:

- 15 Ed25519 ED25519
- 16 Ed448 ED448

EPP

UPDATE DOMAIN

support for managing DS records



[.DK DOMAIN NAMES](#) [WHAT WE DO](#) [LEGAL](#) [ABOUT US](#) [CUSTOMER SERVICE](#) [LOG IN](#)

[DOMAIN ADMINISTRATION](#) [SERVICES](#) [SAFETY](#) [WORKSHOPS](#)

Services

[DNS](#)

[WHOIS](#)

[DAS](#)

[EPP](#)

[DSU](#)

[PRE-ACTIVATION](#)

[PROCEDURE FOR IMPLEMENTATION](#)

[MAILFORM REGISTRATION](#)

[RESPONSIBLE DISCLOSURE](#)

EPP

EPP is a standardised protocol aimed at provisioning data between registries. The EPP protocol is intended for machine-to-machine communication in a client-server setup using XML.

DK Hostmaster offers the EPP service for registrars for automation and integration with local technical platforms. It is possible to perform the following operations using the service:

- Domain registration
- User creation
- Domain/user/name server query

The service requires a registrar account with DK Hostmaster, whitelisting of IP addresses used by the registrar and implementation of the EPP client.

[For details and more information, please see our technical specifications.](#)

Questions about the DK Hostmaster EPP service should be addressed to: tech@dk-hostmaster.dk

A forum for technical discussions on EPP, the EPP service and technical topics of a general nature is available as a mailing list. Please use the following address to subscribe: tech-discuss+subscribe@liste.dk-hostmaster.dk



Workshop

3rd biannual workshop

~30 people

Full day

Hands-on with OpenDNSSEC

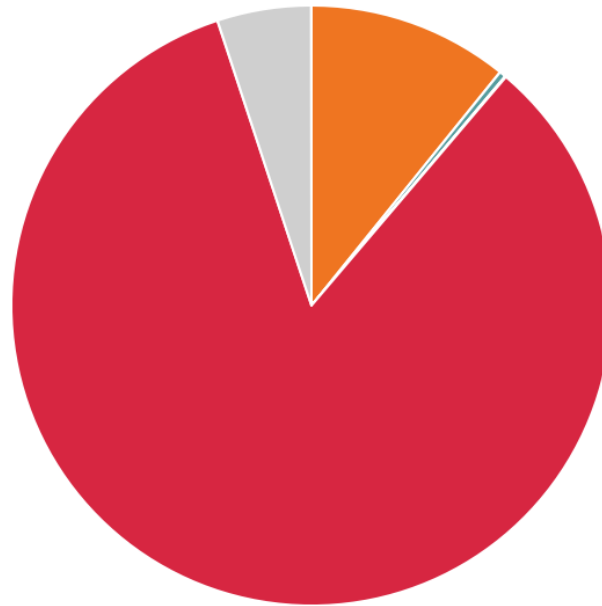


DIFC



Statistics

Percentage breakdown of DNSSEC algorithms



● Algorithm: 3 ● Algorithm: 5 ● Algorithm: 7 ● Algorithm: 14 ● Algorithm: 10
● Algorithm: 13 ● Algorithm: 8

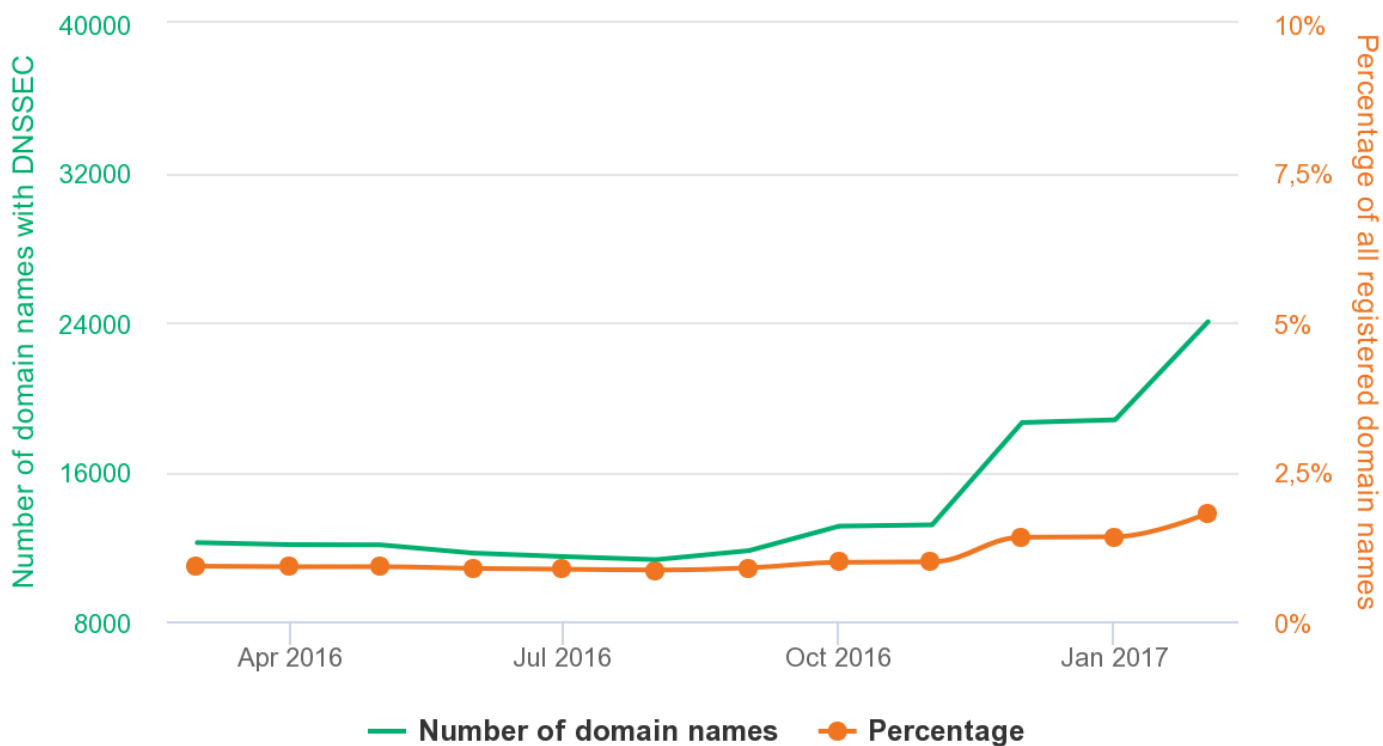
https://stats.dk-hostmaster.dk/en/domains/dnssec_domains/algorithm





Statistics

The total number of domain names with DNSSEC - last 12 months



https://stats.dk-hostmaster.dk/en/domains/dnssec_domains/monthly



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