NAME
ldns-keygen - generate a DNSSEC key pair

SYNOPSIS
ldns-keygen [*OPTION*] *DOMAIN*

DESCRIPTION
ldns-keygen is used to generate a private/public keypair. When run, it will create 3 files; a .key file with the public DNSKEY, a .private file with the private keydata and a .ds with the DS record of the DNSKEY record.

ldns-keygen can also be used to create symmetric keys (for TSIG) by selecting the appropriate algorithm: *hmac-md5.sig-alg.reg.int*, *hmac-sha1*, *hmac-sha224*, *hmac-sha256*, *hmac-sha384* or *hmac-sha512*. In that case no DS record will be created and no .ds file.

ldns-keygen prints the basename for the key files: K<name>+<alg>+<id>

OPTIONS
-a *<algorithm>*
    Create a key with this algorithm. Specifying 'list' here gives a list of supported algorithms. Several alias names are also accepted (from older versions and other software), the list gives names from the RFC. Also the plain algo number is accepted.

-b *<bits>*
    Use this many bits for the key length.

-k   When given, generate a key signing key. This just sets the flag field to 257 instead of 256 in the DNSKEY RR in the .key file.

-r *device*
    Make ldns-keygen use this file to seed the random generator with. This will default to /dev/random.

-s   ldns-keygen will create symbolic links named **.private** to the new generated private key, **.key** to the

public DNSKEY and **.ds** to the file containing DS record data.

-f   force symlinks to be overwritten if they exist.

-v   Show the version and exit

AUTHOR
Written by the ldns team as an example for ldns usage.

REPORTING BUGS
Report bugs to <ldns-team@nlnetlabs.nl>.

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