

NAME

`zkt-conf` — Secure DNS zone key config tool

SYNOPSIS

```
zkt-conf [-V name] [-w] -d [-O optstr]
zkt-conf [-V name] [-w] [-s] [-c file] [-O optstr]
zkt-conf [-V name] [-w] -l [-a] [-c file] [-O optstr]

zkt-conf [-c file] [-w] zonefile
```

DESCRIPTION

The `zkt-conf` command helps to create and show a config file for use by the Zone Key Tool commands, which are currently `zkt-ls(8)`, `zkt-keyman(8)`, and `zkt-signer(8)`.

In general, the ZKT commands uses up to three consecutive sources for config parameter settings:

- a) The build-in default parameters
- b) The side wide config file or the file specified with option `-c` overloads the built-in vars. The file is `/var/named/dnssec.conf` or the one set by the environment variable `ZKT_CONFFILE`.
- c) The local config file `dnssec.conf` in the current zone directory also overloads the parameter read so far.

Because of the overload feature, none of the config files has to have a complete parameter set. Typically the local config file will have only those parameters which are different from the global or built-in ones.

The default operation of `zkt-conf(8)` is to print the site wide config file (same as option `-s`). Option `-d` will print out the built-in defaults while `-l` print those local parameters which are different to the global ones. In the last case `-a` gives the fully (`--all`) parameter list.

In all forms of the command, the parameters are changeable via option `-O` (`--config-option`).

With option `-w` (`--write`) the config parameters are written back to the config file. This is useful in case of an ZKT upgrade or if one or more parameters are changed by option `-O`.

Option `-t` checks some of the parameter for reasonable values.

Which config file is shown (or modified or checked) is determined by an option. `-d` means the built-in defaults, option `-l` is for the local config file and `-s` specifies the site wide config file. Option `-s` is the default.

In the last form of the command, the maximum TTL value of all the resource records of `zonefile` is calculated and print on stdout. Additional, the zonefile is checked if the key database (`dnskey.db`) is included in the zone file. If option `-w` is set, than the `INCLUDE` directive will be added to the zone file if necessary, and the maximum ttl value is written to a local config file.

COMMAND OPTIONS

`-h, --help`

Print out the online help.

`-d, --built-in-defaults`

List all the built-in default parameter.

`-s, --sitecfg`

List all site wide config parameter (this is the default).

`-l, --localcfg`

List local config parameter which are different to the site wide config parameter. With option `-a` (`--all`) all config parameters will be shown.

OPTIONS

-V *view*, **--view=***view*

Try to read the default configuration out of a file named *dnssec-<view>.conf* . Instead of specifying the **-V** or **--view** option every time, it is also possible to create a hard or softlink to the executable file and name it like *zkt-conf-<view>* .

-c *file*, **--config=***file*

Read all parameter from the specified config file. Otherwise the default config file is read or build in defaults will be used.

-O *optstr*, **--config-option=***optstr*

Set any config file parameter via the commandline. Several config file options could be specified at the argument string but have to be delimited by semicolon (or newline).

-a, **--all**

In case of showing the local config file parameter (**-l**) this prints all parameter, not just the ones different to the site wide or built-in defaults.

SAMPLE USAGE

zkt-conf -d

Print the built-in default config pars.

zkt-conf -d -w

Write all the built-in defaults into the site wide config file.

zkt-conf -s -O "SerialFormat: Incremental; Zonedir: /var/named/zones" -w

Change two parameters in the site wide *dnssec.conf* file.

zkt-conf -w zone.db

Add **\$INCLUDE dnskey.db** to the zone file and set the maximum ttl paramter in the local config file to the maximum ttl fond in any RR of *zone.db*.

ENVIRONMENT VARIABLES

ZKT_CONFFILE

Specifies the name of the default global configuration files.

FILES

/var/named/dnssec.conf

Default global configuration file. The name of the default global config file is settable via the environment variable ZKT_CONFFILE.

/var/named/dnssec-<view>.conf

View specific global configuration file.

./dnssec.conf

Local configuration file (additionally used in **-l** mode).

AUTHORS

Holger Zuleger

COPYRIGHT

Copyright (c) 2005 – 2010 by Holger Zuleger. Licensed under the BSD Licences. There is NO warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

SEE ALSO

dnssec-keygen(8), *dnssec-signzone(8)*, *rndc(8)*, *named.conf(5)*, *zkt-signer(8)*, *zkt-ls(8)*, *zkt-keyman(8)*, RFC4641 "DNSSEC Operational Practices" by Miek Gieben and Olaf Kolkman, DNSSEC HOWTO Tutorial by Olaf Kolkman, RIPE NCC

(http://www.nlnetlabs.nl/dnssec_howto/)