

NAME

ksi pubfile - Guardtime command-line tool for verifying and dumping KSI publications file.

SYNOPSIS

ksi pubfile -P URL --dump

ksi pubfile -P URL -o pubfile.bin --cnstr oid=value ... [-V cert.pem]... [-W dir]... [more options]

ksi pubfile -P URL -v --cnstr oid=value ... [-V cert.pem]... [-W dir]... [more options]

ksi pubfile -T time -X URL [--ext-user user --ext-key key] [more options]

DESCRIPTION

This is a KSI publications file tool for performing publications file related general tasks.

OPTIONS

-P URL Specify publications file URL (or file with URI scheme 'file://').

--cnstr oid=value

OID and its expected value to verify publications file PKI signature. At least one constraint must be defined to be able to verify publications file but it is possible to define more. All values from lower priority source are ignored, where default configurations file is the lowest and command-line is the highest.

-v Perform publications file verification. Note that when **-o** is used to save signatures file verification is always performed.

-V file Specify an OpenSSL-style trust store file for publications file verification. All values from lower priority source are ignored, where default configurations file is the lowest and command-line is the highest.

-W dir Specify an OpenSSL-style trust store directory for publications file verification. All values from lower priority source are ignored, where default configurations file is the lowest and command-line is the highest.

-o file Output file name to store publications file. Use '-' as file name to redirect publications file binary stream to *stdout*. Publications file is always verified before saving.

-X URL

Specify extending service URL.

--ext-user str

User name for extending service.

--ext-key str

HMAC Key for extending service.

-T time Specify a time to create a publication string for as the number of seconds since 1970-01-01 00:00:00 UTC or time string formatted as "YYYY-MM-DD hh:mm:ss".

-d Print detailed information about processes and errors to *stderr*.

--dump

Dump Publications file to *stdout*. Without any extra flags publications file verification is not performed.

--conf file

Specify a configurations file to override default service information. It must be noted that service info from command-line will override the configurations file. See **ksi(1)** and **ksi-conf(5)** for more information.

--log file

Write libksi log into file. Use '-' as file name to redirect log to *stdout*.

EXIT STATUS

See **ksi(1)** for more information.

EXAMPLES

In the following examples it is assumed that default service URLs are defined (see **ksi(1)** for more information).

1 To dump a publications file from default URL call:

```
ksi pubfile --dump
```

2 To dump a publications file *pubfile.bin* from local disk call (verification is not performed):

```
ksi pubfile --dump -P file://pubfile.bin
```

3 To verify a publications file *pubfile.bin* from local disk call:

```
ksi pubfile -v -P file:///home/user/publications/pubfile.bin
```

4 To download and verify a publication file *pubfile.bin* call:

```
ksi pubfile -o pubfile.bin --cnstr email=publications@guardtime.com
```

5 To verify a publications file with only certificates defined on command-line call:

```
ksi pubfile -v -V certificate_1.bin -V certificate_2.bin --cnstr email=publications@guardtime.com
```

6 To create a publication string call:

```
ksi pubfile -T "2015-10-15 00:00:00"
```

ENVIRONMENT

Environment variable **KSI_CONF** can be defined to set default KSI configurations file. See **ksi(1)** and **ksi-conf(5)** for more information.

AUTHOR

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SEE ALSO

ksi(1), **ksi-sign(1)**, **ksi-verify(1)**, **ksi-extend(1)**, **ksi-conf(5)**