NAME
ksi pubfile - Verify and dump KSI publications file with KSI command-line tool.

SYNOPSIS
ksi pubfile -P *URL* **--dump**

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

ksi pubfile -P *URL* **-o** *pubfile.bin* **--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
Verifies and dumps the content of KSI publications file. The KSI publications file contains information on all the existing publications records and the PKI certificates that are used to verify the calendar authentication records of KSI signatures.

OPTIONS
-P *URL*   Publications file URL (or file with URI scheme 'file://').

--cnstr *oid=value*

OID of the PKI certificate field (e.g. e-mail address) and the expected value to qualify the certificate for verification of publications file PKI signature. At least one constraint must be defined. All values from lower priority source are ignored.

For more common OID's there are convenience names defined:

- **E** or **email** for OID 1.2.840.113549.1.9.1

- **CN** or **cname** for OID 2.5.4.3

- **C or country** for OID 2.5.4.6

- **O** or **org** for OID 2.5.4.10

-v   Perform publications file verification. Note that when **-o** is used to save publications file, the verification is performed implicitly.

-V *file*   Certificate file in PEM format for publications file verification. All values from lower priority source are ignored.

-W *dir*   OpenSSL-style trust store directory for publications file PKI signature verification. All values from lower priority source are ignored.

-o *file*   Output file path 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*

Extending service (KSI Extender) URL.

--ext-user *str*

Username for extending service.

--ext-key *str*

HMAC Key for extending service.

-T *time*   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 in human-readable format to *stdout*. Without any extra flags publications file verification is not performed.

--conf *file*

Read configuration options from given file. It must be noted that configuration options given explicitly on command line will override the ones in the configuration file. See **ksi-conf**(5) for

more information.

--log *file*

Write libksi log to given 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 KSI service configuration options (URLs, access credentials) are defined. See **ksi-conf**(5) for more information.

1 To dump the publications file from default URL call:

ksi pubfile --dump

2 To dump the publications file *pubfile.bin* on local file system (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, verify and save the publications file to *pubfile.bin* from default URL (verification is performed automatically when saving) call:

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

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

ksi pubfile -v -V *certificate_1.bin* **-V** *certificate_2.bin* **--cnstr** *email=publications@guard-time.com*

6 To create a publication string call:

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

ENVIRONMENT

Use the environment variable **KSI_CONF** to define the default configuration file. See **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)