NAME

logksi sign - Sign unsigned blocks for the given log file.

SYNOPSIS

logksi sign [*logfile*] [**-o** *out.logsig*] **-S** *URL* [**--aggr-user** *user* **--aggr-key** *key*] [*more options*]

DESCRIPTION

Signs the unsigned log blocks in a log signature file of a given *logfile*. The name of the log signature file is expected to be *logfile.logsig*. If no *logfile* is given, input is read from *stdin* and should correspond to a log signature file.

logksi sign provides the recovery signing functionality for cases when some log blocks have been left unsigned during routine signing/logging. For instance, when the KSI service was not reachable.

User must have access to KSI signing service (KSI Aggregator) for signing.

OPTIONS

-o *out.logsig*

Specify the name of the output log signature file. If not specified, the input file *logfile.logsig* is modified. The backup of the original log signature file will be saved to *logfile.logsig.bak*. If the output file name is explicitly specified, an existing file will always be overwritten and no backup file will be created. Use '-' as file name to redirect the output as a binary stream to *stdout*.

-S *URL* Specify the signing service (KSI Aggregator) URL.

--aggr-user *user*

Specify the username for signing service.

--aggr-key *key*

Specify the HMAC key for signing service.

--aggr-hmac-alg *alg*

Hash algorithm to be used for computing HMAC on outgoing messages towards KSI aggregator. If not set, default algorithm is used. Use **logksi -h** to get the list of supported hash algorithms.

--aggr-pdu-v *str*

Specify the KSIAP (KSI Aggregation Protocol) PDU version. Valid values are *v1* and *v2*. Note that *v1* is **legacy** implementation and will be fully replaced with *v2* in the future.

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

--show-progress

Print signing progress. Only valid with -d.

--conf *file*

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

--log *file*

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

EXIT STATUS

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

EXAMPLES

In the following examples it is assumed that KSI service configuration options (URLs, access credentials) are defined. See **logksi-conf**(5) for more information.

1 To sign unsigned blocks in log signature file */var/log/secure.logsig* and save the amended log signature file in */var/log/secure-signed.logsig*:

> **logksi sign** */var/log/secure* **-o** */var/log/secure-signed.logsig*

2 To sign unsigned blocks in log signature file */var/log/secure.logsig* and save the result in the same file after creating the respective backup file */var/log/secure.logsig.bak*:

logksi sign */var/log/secure*

ENVIRONMENT

Use the environment variable **KSI_CONF** to define the default configuration file. See **logksi-conf**(5) for more information.

AUTHOR

Guardtime AS, http://www.guardtime.com/

SEE ALSO

logksi(1), **logksi-extend**(1), **logksi-extract**(1), **logksi-integrate**(1), **logksi-verify**(1), **logksi-conf**(5)