## NAME

**logksi integrate** - Integrate the log signature blocks file and respective KSI signatures file into final log signature file.

## SYNOPSIS

**logksi integrate** *logfile* [**-o** *out.logsig*]

## DESCRIPTION

Integrates the two temporary files created while asynchronously signing the log file *logfile*:

- the log signature blocks file: *logfile.logsig.parts/blocks.dat*; and

- the log signature file containing the respective KSI signatures: *logfile.logsig.parts/block-signatures.dat*.

If output file name is not specified, it is derived from the name of the log file *logfile* by adding standard suffix *.logsig*.

The integration of the files can be performed once both files are complete. Under Linux **logksi integrate** checks for advisory lock on the files, waits until it is released and then integrates the files.

During integration the following is checked:

- The order of log blocks in *blocks.dat* and KSI signatures in *block-signatures.dat* needs to match.

- The root hash of each block in the log signature blocks file needs to be equal to the one in the KSI signatures file.

If some KSI signatures are missing from the log signature file *block-signatures.dat*, respective *no-sig* field is recognised and integration is performed anyway. The missing signatures can then be acquired using **logksi sign** function.

## OPTIONS

**-o** *out.logsig*

Specify the output file path for the log signature file. If not specified, the log signature file is saved as *logfile.logsig* in the same folder where the *logfile* is located. Any existing files with output file name will be overwritten.

## EXIT STATUS

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

## EXAMPLES

**1** To integrate temporary files */var/log/secure.logsig.parts/blocks.dat* and */var/log/secure.logsig.parts/block-signatures.dat* into complete log signature file with default name */var/log/secure.logsig*:

   **logksi integrate** */var/log/secure*

## AUTHOR

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

## SEE ALSO

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