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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'OPENSSL_LH_stats.3ossl' command

$ man OPENSSL_LH_stats.3ossl

OPENSSL_LH_STATS(3ossl) OpenSSL OPENSSL_LH_STATS(3ossl)

NAME

OPENSSL_LH_stats, OPENSSL_LH_node_stats, OPENSSL_LH_node_usage_stats,

OPENSSL_LH_stats_bio, OPENSSL_LH_node_stats_bio,

OPENSSL_LH_node_usage_stats_bio - LHASH statistics

SYNOPSIS

```
#include <openssl/lhash.h>
void OPENSSL_LH_stats(LHASH *table, FILE *out);
void OPENSSL_LH_node_stats(LHASH *table, FILE *out);
void OPENSSL_LH_node_usage_stats(LHASH *table, FILE *out);
void OPENSSL_LH_stats_bio(LHASH *table, BIO *out);
void OPENSSL_LH_node_stats_bio(LHASH *table, BIO *out);
void OPENSSL_LH_node_usage_stats_bio(LHASH *table, BIO *out);
```

DESCRIPTION

The LHASH structure records statistics about most aspects of accessing

the hash table.

OPENSSL_LH_stats() prints out statistics on the size of the hash table

and how many entries are in it. For historical reasons, this function

also outputs a number of additional statistics, but the tracking of

these statistics is no longer supported and these statistics are always

reported as zero.

OPENSSL_LH_node_stats() prints the number of entries for each 'bucket'

in the hash table.

OPENSSL_LH_node_usage_stats() prints out a short summary of the state of the hash table. It prints the 'load' and the 'actual load'. The load is the average number of data items per 'bucket' in the hash table. The 'actual load' is the average number of items per 'bucket', but only for buckets which contain entries. So the 'actual load' is the average number of searches that will need to find an item in the hash table, while the 'load' is the average number that will be done to record a miss.

OPENSSL_LH_stats_bio(), OPENSSL_LH_node_stats_bio() and OPENSSL_LH_node_usage_stats_bio() are the same as the above, except that the output goes to a BIO.

RETURN VALUES

These functions do not return values.

NOTE

These calls should be made under a read lock. Refer to "NOTE" in OPENSSL_LH_COMPFUNC(3) for more details about the locks required when using the LHASH data structure.

SEE ALSO

bio(7), OPENSSL_LH_COMPFUNC(3)

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