Rocky Enterprise Linux 9.2 Manual Pages on command 'RSA_size.3ossl'

$ man RSA_size.3ossl

RSA_SIZE(3ossl) OpenSSL RSA_SIZE(3ossl)

NAME

RSA_size, RSA_bits, RSA_security_bits - get RSA modulus size or security bits

SYNOPSIS

#include <openssl/rsa.h>

int RSA_bits(const RSA *rsa);

The following functions have been deprecated since OpenSSL 3.0, and can be hidden entirely by defining OPENSSL_API_COMPAT with a suitable version value, see openssl_user_macros(7):

int RSA_size(const RSA *rsa);

int RSA_security_bits(const RSA *rsa);

DESCRIPTION

RSA_bits() returns the number of significant bits.

rsa and rsa->n must not be NULL.

The remaining functions described on this page are deprecated.
Applications should instead use EVP_PKEY_get_size(3),
EVP_PKEY_get_bits(3) and EVP_PKEY_get_security_bits(3).

RSA_size() returns the RSA modulus size in bytes. It can be used to
determine how much memory must be allocated for an RSA encrypted value.

RSA_security_bits() returns the number of security bits of the given
rsa key. See BN_security_bits(3).

RETURN VALUES

RSA_bits() returns the number of bits in the key.

RSA_size() returns the size of modulus in bytes.

RSA_security_bits() returns the number of security bits.

SEE ALSO

BN_num_bits(3)

HISTORY

The RSA_size() and RSA_security_bits() functions were deprecated in
OpenSSL 3.0.

The RSA_bits() function was added in OpenSSL 1.1.0.

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