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

$ man DSA_size.3ossl

DSA_SIZE(3ossl) OpenSSL DSA_SIZE(3ossl)

NAME

DSA_size, DSA_bits, DSA_security_bits - get DSA signature size, key bits or security bits

SYNOPSIS

```
#include <openssl/dsa.h>
```

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 DSA_bits(const DSA *dsa);

int DSA_size(const DSA *dsa);

int DSA_security_bits(const DSA *dsa);
```

DESCRIPTION

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

DSA_bits() returns the number of bits in key dsa: this is the number of bits in the p parameter.

DSA_size() returns the maximum size of an ASN.1 encoded DSA signature for key dsa in bytes. It can be used to determine how much memory must be allocated for a DSA signature.

DSA_security_bits() returns the number of security bits of the given dsa key. See BN_security_bits(3).

RETURN VALUES

DSA_security_bits() returns the number of security bits in the key, or -1 if dsa doesn't hold any key parameters.

DSA_bits() returns the number of bits in the key, or -1 if dsa doesn't hold any key parameters.

DSA_size() returns the signature size in bytes, or -1 if dsa doesn't hold any key parameters.

SEE ALSO

EVP_PKEY_get_bits(3), EVP_PKEY_get_security_bits(3), EVP_PKEY_get_size(3), DSA_new(3), DSA_sign(3)

HISTORY

All of these functions were deprecated in OpenSSL 3.0.

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