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

\$ man DSA_bits.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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