

NAME

RSA_size, RSA_bits - get RSA modulus size

SYNOPSIS

```
#include <openssl/rsa.h>
int RSA_size(const RSA *rsa);
int RSA_bits(const RSA *rsa);
```

DESCRIPTION

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_bits() returns the number of significant bits.

rsa and **rsa->n** must not be **NULL**.

RETURN VALUE

The size.

SEE ALSO

[BN_num_bits\(3\)](#)

HISTORY

RSA_bits() was added in OpenSSL 1.1.0.

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