

NAME

DSA_generate_key - generate DSA key pair

SYNOPSIS

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

```
int DSA_generate_key(DSA *a);
```

DESCRIPTION

DSA_generate_key() expects **a** to contain DSA parameters. It generates a new key pair and stores it in **a->pub_key** and **a->priv_key**.

The PRNG must be seeded prior to calling *DSA_generate_key()*.

RETURN VALUE

DSA_generate_key() returns 1 on success, 0 otherwise. The error codes can be obtained by [ERR_get_error\(3\)](#).

SEE ALSO

[dsa\(3\)](#), [ERR_get_error\(3\)](#), [rand\(3\)](#), [DSA_generate_parameters\(3\)](#)

HISTORY

DSA_generate_key() is available since SSLeay 0.8.