



## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'DSA\_generate\_key.3oss!' command***

```
$ man DSA_generate_key.3oss!
```

```
DSA_GENERATE_KEY(3oss!)      OpenSSL      DSA_GENERATE_KEY(3oss!)
```

### NAME

DSA\_generate\_key - generate DSA key pair

### 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_generate_key(DSA *a);
```

### DESCRIPTION

All of the functions described on this page are deprecated.

Applications should instead use EVP\_PKEY\_keygen\_init(3) and EVP\_PKEY\_keygen(3) as described in EVP\_PKEY-DSA(7).

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 random generator must be seeded prior to calling

DSA\_generate\_key(). If the automatic seeding or reseeding of the OpenSSL CSPRNG fails due to external circumstances (see RAND(7)), the operation will fail.

## RETURN VALUES

DSA\_generate\_key() returns 1 on success, 0 otherwise. The error codes can be obtained by ERR\_get\_error(3).

## SEE ALSO

DSA\_new(3), ERR\_get\_error(3), RAND\_bytes(3),  
DSA\_generate\_parameters\_ex(3)

## HISTORY

This function was deprecated in OpenSSL 3.0.

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