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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'DHparams\_print.3ossl'***

***\$ man DHparams\_print.3ossl***

RSA\_PRINT(3ossl)            OpenSSL            RSA\_PRINT(3ossl)

NAME

RSA\_print, RSA\_print\_fp, DSAParams\_print, DSAParams\_print\_fp,  
DSA\_print, DSA\_print\_fp, DHparams\_print, DHparams\_print\_fp - print  
cryptographic parameters

SYNOPSIS

```
#include <openssl/rsa.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 RSA_print(BIO *bp, const RSA *x, int offset);  
int RSA_print_fp(FILE *fp, const RSA *x, int offset);
```

```
#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 DSAParams_print(BIO *bp, const DSA *x);  
int DSAParams_print_fp(FILE *fp, const DSA *x);
```

```
int DSA_print(BIO *bp, const DSA *x, int offset);
int DSA_print_fp(FILE *fp, const DSA *x, int offset);
#include <openssl/dh.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 DHparams_print(BIO *bp, DH *x);
int DHparams_print_fp(FILE *fp, const DH *x);
```

## DESCRIPTION

All of the functions described on this page are deprecated.

Applications should instead use `EVP_PKEY_print_params(3)` and `EVP_PKEY_print_private(3)`.

A human-readable hexadecimal output of the components of the RSA key, DSA parameters or key or DH parameters is printed to `bp` or `fp`.

The output lines are indented by offset spaces.

## RETURN VALUES

`DSAParams_print()`, `DSAParams_print_fp()`, `DSA_print()`, and `DSA_print_fp()` return 1 for success and 0 or a negative value for failure.

`DHparams_print()` and `DHparams_print_fp()` return 1 on success, 0 on error.

## SEE ALSO

L<`EVP_PKEY_print_params(3)`>,  
L<`EVP_PKEY_print_private(3)`>,  
L<`BN_bn2bin(3)`>

## HISTORY

All of these functions were deprecated in OpenSSL 3.0.

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