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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'BIO\_set\_shutdown.3ossl'***

***\$ man BIO\_set\_shutdown.3ossl***

BIO\_GET\_DATA(3ossl)            OpenSSL            BIO\_GET\_DATA(3ossl)

#### NAME

BIO\_set\_data, BIO\_get\_data, BIO\_set\_init, BIO\_get\_init,  
BIO\_set\_shutdown, BIO\_get\_shutdown - functions for managing BIO state  
information

#### SYNOPSIS

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

void BIO_set_data(BIO *a, void *ptr);

void *BIO_get_data(BIO *a);

void BIO_set_init(BIO *a, int init);

int BIO_get_init(BIO *a);

void BIO_set_shutdown(BIO *a, int shut);

int BIO_get_shutdown(BIO *a);
```

#### DESCRIPTION

These functions are mainly useful when implementing a custom BIO. The BIO\_set\_data() function associates the custom data pointed to by ptr with the BIO. This data can subsequently be retrieved via a call to BIO\_get\_data(). This can be used by custom BIOs for storing

implementation specific information.

The `BIO_set_init()` function sets the value of the BIO's "init" flag to indicate whether initialisation has been completed for this BIO or not.

A nonzero value indicates that initialisation is complete, whilst zero indicates that it is not. Often initialisation will complete during initial construction of the BIO. For some BIOs however, initialisation may not complete until after additional steps have occurred (for example through calling custom ctrls). The `BIO_get_init()` function returns the value of the "init" flag.

The `BIO_set_shutdown()` and `BIO_get_shutdown()` functions set and get the state of this BIO's shutdown (i.e. `BIO_CLOSE`) flag. If set then the underlying resource is also closed when the BIO is freed.

## RETURN VALUES

`BIO_get_data()` returns a pointer to the implementation specific custom data associated with this BIO, or `NULL` if none has been set.

`BIO_get_init()` returns the state of the BIO's init flag.

`BIO_get_shutdown()` returns the stat of the BIO's shutdown (i.e. `BIO_CLOSE`) flag.

## SEE ALSO

`bio(7)`, `BIO_meth_new(3)`

## HISTORY

The functions described here were added in OpenSSL 1.1.0.

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