

**NAME**

`i2d_PKCS7_bio_stream` - output PKCS7 structure in BER format.

**SYNOPSIS**

```
#include <openssl/pkcs7.h>
```

```
int i2d_PKCS7_bio_stream(BIO *out, PKCS7 *p7, BIO *data, int flags);
```

**DESCRIPTION**

`i2d_PKCS7_bio_stream()` outputs a PKCS7 structure in BER format.

It is otherwise identical to the function `SMIME_write_PKCS7()`.

**NOTES**

This function is effectively a version of the `d2i_PKCS7_bio()` supporting streaming.

**BUGS**

The prefix “i2d” is arguably wrong because the function outputs BER format.

**RETURN VALUES**

`i2d_PKCS7_bio_stream()` returns 1 for success or 0 for failure.

**SEE ALSO**

[ERR\\_get\\_error\(3\)](#), [PKCS7\\_sign\(3\)](#), [PKCS7\\_verify\(3\)](#), [PKCS7\\_encrypt\(3\)](#) [PKCS7\\_decrypt\(3\)](#),  
[SMIME\\_write\\_PKCS7\(3\)](#), [PEM\\_write\\_bio\\_PKCS7\\_stream\(3\)](#)

**HISTORY**

`i2d_PKCS7_bio_stream()` was added to OpenSSL 1.0.0