



Full credit is given to the above companies including the OS that this PDF file was generated!

Red Hat Enterprise Linux Release 9.2 Manual Pages on 'PKCS12_SAFEABAG_get0_pkcs8.3oss!' command

```
$ man PKCS12_SAFEABAG_get0_pkcs8.3oss!
```

```
PKCS12_SAFEABAG_GET1_CERT(3oss!)  OpenSSL  PKCS12_SAFEABAG_GET1_CERT(3oss!)
```

NAME

```
PKCS12_SAFEABAG_get0_attr, PKCS12_SAFEABAG_get0_type,  
PKCS12_SAFEABAG_get0_nid, PKCS12_SAFEABAG_get0_bag_nid,  
PKCS12_SAFEABAG_get0_bag_obj, PKCS12_SAFEABAG_get0_bag_type,  
PKCS12_SAFEABAG_get1_cert, PKCS12_SAFEABAG_get1_crl,  
PKCS12_SAFEABAG_get0_safes, PKCS12_SAFEABAG_get0_p8inf,  
PKCS12_SAFEABAG_get0_pkcs8 - Get objects from a PKCS#12 safeBag
```

SYNOPSIS

```
#include <openssl/pkcs12.h>
```

```
const ASN1_TYPE *PKCS12_SAFEABAG_get0_attr(const PKCS12_SAFEABAG *bag,  
int attr_nid);
```

```
const ASN1_OBJECT *PKCS12_SAFEABAG_get0_type(const PKCS12_SAFEABAG *bag);
```

```
int PKCS12_SAFEABAG_get0_nid(const PKCS12_SAFEABAG *bag);
```

```
int PKCS12_SAFEABAG_get0_bag_nid(const PKCS12_SAFEABAG *bag);
```

```
const ASN1_TYPE *PKCS12_SAFEABAG_get0_bag_obj(const PKCS12_SAFEABAG *bag);
```

```
const ASN1_OBJECT *PKCS12_SAFEABAG_get0_bag_type(const PKCS12_SAFEABAG *bag);
```

```
X509 *PKCS12_SAFEABAG_get1_cert(const PKCS12_SAFEABAG *bag);
```

```
X509_CRL *PKCS12_SAFEABAG_get1_crl(const PKCS12_SAFEABAG *bag);
```

```
const STACK_OF(PKCS12_SAFEABAG) *PKCS12_SAFEABAG_get0_safes(const PKCS12_SAFEABAG *bag);
```

```
const PKCS8_PRIV_KEY_INFO *PKCS12_SAFEBAG_get0_p8inf(const PKCS12_SAFEBAG *bag);  
const X509_SIG *PKCS12_SAFEBAG_get0_pkcs8(const PKCS12_SAFEBAG *bag);
```

DESCRIPTION

`PKCS12_SAFEBAG_get0_attr()` gets the attribute value corresponding to the `attr_nid`.

`PKCS12_SAFEBAG_get0_type()` gets the safeBag type as an OID, whereas `PKCS12_SAFEBAG_get0_nid()` gets the safeBag type as an NID, which could be `NID_certBag`, `NID_crlBag`, `NID_keyBag`, `NID_secretBag`, `NID_safeContentsBag` or `NID_pkcs8ShroudedKeyBag`.

`PKCS12_SAFEBAG_get0_bag_nid()` gets the type of the object contained within the `PKCS12_SAFEBAG`. This corresponds to the bag type for most bags, but can be arbitrary for secretBags.

`PKCS12_SAFEBAG_get0_bag_type()` gets this type as an OID.

`PKCS12_SAFEBAG_get0_bag_obj()` retrieves the object contained within the safeBag.

`PKCS12_SAFEBAG_get1_cert()` and `PKCS12_SAFEBAG_get1_crl()` return new X509 or X509_CRL objects from the item in the safeBag.

`PKCS12_SAFEBAG_get0_p8inf()` and `PKCS12_SAFEBAG_get0_pkcs8()` return the PKCS8 object from a `PKCS8shroudedKeyBag` or a `keyBag`.

`PKCS12_SAFEBAG_get0_safes()` retrieves the set of safeBags contained within a `safeContentsBag`.

RETURN VALUES

`PKCS12_SAFEBAG_get0_nid()` and `PKCS12_SAFEBAG_get0_bag_nid()` return the NID of the safeBag or bag object, or -1 if there is no corresponding NID. Other functions return a valid object of the specified type or

NULL if an error occurred.

SEE ALSO

PKCS12_create(3), PKCS12_add_safe(3), PKCS12_add_safes(3)

COPYRIGHT

Copyright 2019-2021 The OpenSSL Project Authors. All Rights Reserved.

Licensed under the Apache License 2.0 (the "License"). You may not use this file except in compliance with the License. You can obtain a copy in the file LICENSE in the source distribution or at <https://www.openssl.org/source/license.html>.

3.0.7 2023-07-13 PKCS12_SAFEBAG_GET1_CERT(3openssl)