



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

### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'OSSL\_CMP\_STATUSINFO\_new.3ossl'***

***\$ man OSSL\_CMP\_STATUSINFO\_new.3ossl***

OSSL\_CMP\_STATUSINFO\_NEW(3ossl) OpenSSL OSSL\_CMP\_STATUSINFO\_NEW(3ossl)

#### NAME

OSSL\_CMP\_STATUSINFO\_new, OSSL\_CMP\_snprint\_PKIStatusInfo,  
OSSL\_CMP\_CTX\_snprint\_PKIStatus - function(s) for managing the CMP  
PKIStatus

#### SYNOPSIS

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

OSSL_CMP_PKISI *OSSL_CMP_STATUSINFO_new(int status, int fail_info,
                                         const char *text);

char *OSSL_CMP_snprint_PKIStatusInfo(const OSSL_CMP_PKISI *statusInfo,
                                     char *buf, size_t bufsize);

char *OSSL_CMP_CTX_snprint_PKIStatus(const OSSL_CMP_CTX *ctx, char *buf,
                                     size_t bufsize);
```

#### DESCRIPTION

This is the PKIStatus API for using CMP (Certificate Management Protocol) with OpenSSL.

OSSL\_CMP\_STATUSINFO\_new() creates a new PKIStatusInfo structure and fills in the given values. It sets the status field to status, copies

text (unless it is NULL) to statusString, and interprets fail\_info as bit pattern for the failInfo field.

OSSL\_CMP\_snprint\_PKIStatusInfo() places a human-readable string representing the given statusInfo in the given buffer, with the given maximal length.

OSSL\_CMP\_CTX\_snprint\_PKIStatus() places a human-readable string representing the PKIStatusInfo components of the CMP context ctx in the given buffer, with the given maximal length.

## NOTES

CMP is defined in RFC 4210 (and CRMF in RFC 4211).

## RETURN VALUES

OSSL\_CMP\_STATUSINFO\_new() returns a pointer to the structure on success, or NULL on error.

OSSL\_CMP\_snprint\_PKIStatusInfo() and OSSL\_CMP\_CTX\_snprint\_PKIStatus() return a copy of the buffer pointer containing the string or NULL on error.

## HISTORY

The OpenSSL CMP support was added in OpenSSL 3.0.

## COPYRIGHT

Copyright 2007-2021 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   OSSL\_CMP\_STATUSINFO\_NEW(3ossl)