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## **Red Hat Enterprise Linux Release 9.2 Manual Pages on 'OSSL\_CMP\_CTX\_snprint\_PKIStatus.3oss1' command**

**\$ man OSSL\_CMP\_CTX\_snprint\_PKIStatus.3oss1**

OSSL\_CMP\_STATUSINFO\_NEW(3oss1)    OpenSSL    OSSL\_CMP\_STATUSINFO\_NEW(3oss1)

### 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.

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