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Rocky Enterprise Linux 9.2 Manual Pages on command 'OSSL_CMP_CTX_snprint_PKIStatus.3oss1'

\$ 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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