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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