NAME

ASN1_item_new_ex, ASN1_item_new - create new ASN.1 values

SYNOPSIS

#include <openssl/asn1.h>

ASN1_VALUE *ASN1_item_new_ex(const ASN1_ITEM *it, OSSL_LIB_CTX *libctx,
            const char *propq);
ASN1_VALUE *ASN1_item_new(const ASN1_ITEM *it);

DESCRIPTION

ASN1_item_new_ex() creates a new **ASN1_VALUE** structure based on the **ASN1_ITEM** template given in the *it* parameter. If any algorithm fetches are required during the process then they will use the **OSSL_LIB_CTX** provided in the *libctx* parameter and the property query string in *propq*. See "ALGORITHM FETCHING" in **crypto**(7) for more information about algorithm fetching.

ASN1_item_new() is the same as **ASN1_item_new_ex()** except that the default **OSSL_LIB_CTX** is used (i.e. NULL) and with a NULL property query string.

RETURN VALUES

ASN1_item_new_ex() and **ASN1_item_new()** return a pointer to the newly created **ASN1_VALUE** or NULL on error.

HISTORY

The function **ASN1_item_new_ex()** was added in OpenSSL 3.0.

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