

**NAME**

TS\_RESP\_CTX\_new\_ex, TS\_RESP\_CTX\_new, TS\_RESP\_CTX\_free - Timestamp response context object creation

**SYNOPSIS**

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

```
TS_RESP_CTX *TS_RESP_CTX_new_ex(OSSL_LIB_CTX *libctx, const char *propq);  
TS_RESP_CTX *TS_RESP_CTX_new(void);  
void TS_RESP_CTX_free(TS_RESP_CTX *ctx);
```

**DESCRIPTION**

Creates a response context that can be used for generating responses.

**TS\_RESP\_CTX\_new\_ex()** allocates and initializes a **TS\_RESP\_CTX** structure with a library context of *libctx* and a property query of *propq*. The library context and property query can be used to select which providers supply the fetched algorithms.

**TS\_RESP\_CTX\_new()** is similar to **TS\_RESP\_CTX\_new\_ex()** but sets the library context and property query to NULL. This results in the default (NULL) library context being used for any operations requiring algorithm fetches.

**TS\_RESP\_CTX\_free()** frees the **TS\_RESP\_CTX** object *ctx*.

**RETURN VALUES**

If the allocation fails, **TS\_RESP\_CTX\_new\_ex()** and **TS\_RESP\_CTX\_new()** return NULL, otherwise it returns a pointer to the newly allocated structure.

**HISTORY**

The function **TS\_RESP\_CTX\_new\_ex()** was added in OpenSSL 3.0.

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