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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'OSSL_CMP_MSG_http_perform.3ossl' command

```
$ man OSSL_CMP_MSG_http_perform.3ossl
```

```
OSSL_CMP_MSG_HTTP_PERFORM(3ossl)  OpenSSL  OSSL_CMP_MSG_HTTP_PERFORM(3ossl)
```

NAME

OSSL_CMP_MSG_http_perform - client-side HTTP(S) transfer of a CMP request-response pair

SYNOPSIS

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

```
OSSL_CMP_MSG *OSSL_CMP_MSG_http_perform(OSSL_CMP_CTX *ctx,  
                                         const OSSL_CMP_MSG *req);
```

DESCRIPTION

OSSL_CMP_MSG_http_perform() sends the given PKIMessage req to the CMP server specified in ctx via OSSL_CMP_CTX_set1_server(3) and optionally OSSL_CMP_CTX_set_serverPort(3), using any "CMP alias" optionally specified via OSSL_CMP_CTX_set1_serverPath(3). The default port is 80 for HTTP and 443 for HTTPS; the default path is "/". On success the function returns the server's response PKIMessage.

The function makes use of any HTTP callback function set via OSSL_CMP_CTX_set_http_cb(3). It respects any timeout value set via OSSL_CMP_CTX_set_option(3) with an OSSL_CMP_OPT_MSG_TIMEOUT argument.

It also respects any HTTP(S) proxy options set via `OSSL_CMP_CTX_set1_proxy(3)` and `OSSL_CMP_CTX_set1_no_proxy(3)` and the respective environment variables. Proxying plain HTTP is supported directly, while using a proxy for HTTPS connections requires a suitable callback function such as `OSSL_HTTP_proxy_connect(3)`.

NOTES

CMP is defined in RFC 4210. HTTP transfer for CMP is defined in RFC 6712.

RETURN VALUES

`OSSL_CMP_MSG_http_perform()` returns a CMP message on success, else `NULL`.

SEE ALSO

`OSSL_CMP_CTX_new(3)`, `OSSL_HTTP_proxy_connect(3)`.

HISTORY

The OpenSSL CMP support was added in OpenSSL 3.0.

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3.0.7 2023-07-13 `OSSL_CMP_MSG_HTTP_PERFORM(3)` (openssl)