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Rocky Enterprise Linux 9.2 Manual Pages on command 'BIO_parse_hostserv.3ossl'

\$ man BIO_parse_hostserv.3ossl

BIO_PARSE_HOSTSERV(3ossl) OpenSSL BIO_PARSE_HOSTSERV(3ossl)

NAME

BIO_hostserv_priorities, BIO_parse_hostserv - utility routines to parse a standard host and service string

SYNOPSIS

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

```
enum BIO_hostserv_priorities {  
    BIO_PARSE_Prio_HOST, BIO_PARSE_Prio_SERV  
};
```

```
int BIO_parse_hostserv(const char *hostserv, char **host, char **service,  
    enum BIO_hostserv_priorities hostserv_prio);
```

DESCRIPTION

BIO_parse_hostserv() will parse the information given in hostserv, create strings with the hostname and service name and give those back

via host and service. Those will need to be freed after they are used.

hostserv_prio helps determine if hostserv shall be interpreted primarily as a hostname or a service name in ambiguous cases.

The syntax the BIO_parse_hostserv() recognises is:

host + ':' + service

host + ':' + '*'

host + ':'

':' + service

'*' + ':' + service

host

service

The host part can be a name or an IP address. If it's a IPv6 address, it MUST be enclosed in brackets, such as '[::1]'.
The service part can be a service name or its port number. A service name will be mapped to a port number using the system function getservbyname().

The returned values will depend on the given hostserv string and hostserv_prio, as follows:

host + ':' + service => *host = "host", *service = "service"

host + ':' + '*' => *host = "host", *service = NULL

host + ':' => *host = "host", *service = NULL

':' + service => *host = NULL, *service = "service"

'*' + ':' + service => *host = NULL, *service = "service"

in case no ':' is present in the string, the result depends on hostserv_prio, as follows:

when hostserv_prio == BIO_PARSE_PRIO_HOST

host => *host = "host", *service untouched

when hostserv_prio == BIO_PARSE_PRIO_SERV

service => *host untouched, *service = "service"

RETURN VALUES

BIO_parse_hostserv() returns 1 on success or 0 on error.

SEE ALSO

BIO_ADDRINFO(3)

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