

NAME

ares_expand_name – Expand a DNS-encoded domain name

SYNOPSIS

```
#include <ares.h>
```

```
int ares_expand_name(const unsigned char *encoded,  
                    const unsigned char *abuf, int alen,  
                    char **s, long *enclen)
```

DESCRIPTION

The **ares_expand_name** function converts a DNS-encoded domain name to a dot-separated C string. The argument *encoded* gives the beginning of the encoded domain name, and the arguments *abuf* and *alen* give the containing message buffer (necessary for the processing of indirection pointers within the encoded domain name). The result is placed in a NUL-terminated allocated buffer, a pointer to which is stored in the variable pointed to by *s*. The length of the encoded name is stored in the variable pointed to by *enclen* so that the caller can advance past the encoded domain name to read further data in the message.

Use *ares_free_string(3)* to free the allocated hostname.

RETURN VALUES

ares_expand_name can return any of the following values:

ARES_SUCCESS

Expansion of the encoded name succeeded.

ARES_EBADNAME

The encoded domain name was malformed and could not be expanded.

ARES_ENOMEM

Memory was exhausted.

SEE ALSO

ares_mkquery(3), **ares_free_string(3)**