

NAME

`ares_expand_string` – Expand a length encoded string

SYNOPSIS

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

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

DESCRIPTION

The `ares_expand_string` function converts a length encoded string to a NUL-terminated C string. The argument *encoded* gives the beginning of the encoded string, 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 string is stored in the variable pointed to by *enclen* so that the caller can advance past the encoded string to read further data in the message.

RETURN VALUES

`ares_expand_string` can return any of the following values:

ARES_SUCCESS

Expansion of the encoded string succeeded.

ARES_EBADSTR

The encoded string was malformed and could not be expanded.

ARES_ENOMEM

Memory was exhausted.

SEE ALSO

`ares_free_string(3)`

AUTHOR

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