

NAME

`ares_init` – Initialize a resolver channel

SYNOPSIS

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

```
int ares_init(ares_channel *channelptr)
```

DESCRIPTION

The **ares_init(3)** function initializes a communications channel for name service lookups. If it returns successfully, **ares_init(3)** will set the variable pointed to by *channelptr* to a handle used to identify the name service channel. The caller should invoke *ares_destroy(3)* on the handle when the channel is no longer needed.

The *ares_init_options(3)* function is provide to offer more init alternatives.

RETURN VALUES

ares_init(3) can return any of the following values:

ARES_SUCCESS

Initialization succeeded.

ARES_EFILE A configuration file could not be read.

ARES_ENOMEM

The process's available memory was exhausted.

ARES_ENOTINITIALIZED

c-ares library initialization not yet performed.

NOTES

When initializing from */etc/resolv.conf*, **ares_init(3)** reads the *domain* and *search* directives to allow lookups of short names relative to the domains specified. The *domain* and *search* directives override one another. If more than one instance of either *domain* or *search* directives is specified, the last occurrence wins. For more information, please see the **resolv.conf(5)** manual page.

SEE ALSO

ares_init_options(3), **ares_destroy(3)**, **ares_dup(3)**, **ares_library_init(3)**, **ares_set_servers(3)**

AUTHOR

Greg Hudson, MIT Information Systems

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