NAME

ares_save_options − Save configuration values obtained from initialized ares_channel

SYNOPSIS

#include <ares.h>

int ares_save_options(ares_channel *channel***, struct ares_options *****options***, int *****optmask***)**

DESCRIPTION

The **ares_save_options(3)** function saves the channel data identified by *channel*, into the options struct identified by *options*, and saves the mask of options which are set to the integer pointer (passed by reference) identified by *optmask*.

The resultant options and optmask are then able to be passed directly to ares_init_options. When the options are no longer needed, ares_destroy_options should be called to free any associated memory.

RETURN VALUES

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

ARES_SUCCESS

The channel data was successfully stored

ARES_ENOMEM

The memory was exhausted

ARES_ENODATA

The channel data identified by *channel* were invalid.

NOTE

Since c-ares 1.6.0 the ares_options struct has been "locked" meaning that it won't be extended to cover new functions. This function will remain functioning, but it can only return config data that can be represented in this config struct, which may no longer be the complete set of config options. **ares_dup(3)** will not have that restriction.

The ares_options struct can not handle potential IPv6 name servers the ares_channel might be configured to use. The **ares_save_options(3)** function will only return IPv4 servers, if any. In order to retrieve all name servers an ares_channel might be using, the **ares_get_servers(3)** function must be used instead.

SEE ALSO

ares_destroy_options(3), **ares_init_options**(3), **ares_get_servers**(3), **ares_dup**(3)

AVAILABILITY

ares_save_options(3) was added in c-ares 1.4.0

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