

NAME

`ares_queue_wait_empty`, `ares_queue_active_queries` – Functions for checking the c-ares queue status

SYNOPSIS

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

```
size_t ares_queue_active_queries(const ares_channel_t *channel);
```

```
ares_status_t ares_queue_wait_empty(ares_channel_t *channel,  
                                   int timeout_ms);
```

DESCRIPTION

The **`ares_queue_active_queries(3)`** function retrieves the total number of active queries pending answers from servers. Some c-ares requests may spawn multiple queries, such as *`ares_getaddrinfo(3)`* when using *`AF_UNSPEC`*, which will be reflected in this number. The **`channel`** parameter must be set to an initialized channel.

The **`ares_queue_wait_empty(3)`** function blocks until notified that there are no longer any queries in queue, or the specified timeout has expired. The **`channel`** parameter must be set to an initialized channel. The **`timeout_ms`** parameter is the number of milliseconds to wait for the queue to be empty or -1 for Infinite.

RETURN VALUES

`ares_queue_active_queries(3)` returns the active query count.

`ares_queue_wait_empty(3)` can return any of the following values:

ARES_ENOTIMP

if not built with threading support

ARES_ETIMEOUT

if requested timeout expired

ARES_SUCCESS

when queue is empty.

AVAILABILITY

This function was first introduced in c-ares version 1.27.0, and requires the c-ares library to be built with threading support.

SEE ALSO

`ares_init_options(3)`, **`ares_threadafety(3)`**