

NAME

io_uring_buf_ring_cq_advance – advance index of provided buffer and CQ ring

SYNOPSIS

```
#include <liburing.h>
```

```
void io_uring_buf_ring_cq_advance(struct io_uring *ring,  
                                struct io_uring_buf_ring *br,  
                                int count);
```

```
void __io_uring_buf_ring_cq_advance(struct io_uring *ring,  
                                   struct io_uring_buf_ring *br,  
                                   int cq_count,  
                                   int buf_count);
```

DESCRIPTION

The **io_uring_buf_ring_cq_advance(3)** commits *count* previously added buffers to the shared buffer ring *br*, making them visible to the kernel and hence consumable. This passes ownership of the buffer to the ring. At the same time, it advances the CQ ring of *ring* by *count* amount. This effectively bundles both a **io_uring_buf_ring_advance(3)** call and a **io_uring_cq_advance(3)** into one operation. Since updating either ring index entails a store memory barrier, doing both at once is more efficient.

The **__io_uring_buf_ring_cq_advance(3)** function performs the same operation, except it splits the counts into two separate values. It advances the CQ ring by *cq_count* entries, and the buffer ring by *buf_count* entries rather than increment both by the same value.

RETURN VALUE

None

SEE ALSO

io_uring_register_buf_ring(3), **io_uring_buf_ring_add(3)**, **io_uring_buf_ring_advance(3)**