NAME
curl_multi_fdset - extracts file descriptor information from a multi handle

SYNOPSIS
#include <curl/curl.h>

CURLMcode curl_multi_fdset(CURLM *multi_handle,
                fd_set *read_fd_set,
                fd_set *write_fd_set,
                fd_set *exc_fd_set,
                int *max_fd);

DESCRIPTION
This function extracts file descriptor information from a given multi_handle. libcurl returns its fd_set sets. The application can use these to select() on, but be sure to FD_ZERO them before calling this function as *curl_multi_fdset(3)* only adds its own descriptors it doesn't zero or otherwise remove any other. The *curl_multi_perform(3)* function should be called as soon as one of them are ready to be read from or written to.

If no file descriptors are set by libcurl, *max_fd* will contain -1 when this function returns. Otherwise it will contain the higher descriptor number libcurl set.

You should also be aware that when doing select(), you should consider using a rather small (single-digit number of seconds) timeout and call *curl_multi_perform* regularly - even if no activity has been seen on the fd_sets - as otherwise libcurl-internal retries and timeouts may not work as you'd think and want.

Starting with libcurl 7.16.0, you should use **curl_multi_timeout** to figure out how long to wait for action.

RETURN VALUE
CURLMcode type, general libcurl multi interface error code. See *libcurl-errors(3)*

SEE ALSO
curl_multi_cleanup(3),**curl_multi_init**(3), **curl_multi_timeout**(3)