

# Debugging

## Introduction

This documentation gives some tips on how to debug the Ethernet Driver.

## Debug Flags

By setting the flag " LWIP\_DEBUG" to 1 in the cubemx main file, you will get extra lwip debug messages in your terminal.

## Hard Faults

While debugging, it is easy to use a debugger to go step by step through your code. However, the deeper you go into the code, the bigger the chance that your debugging will trigger an hard fault. So when that happens verify if the hard fault is your doing or not, by debugging less deep while you have a debug point set on the hard fault function, to check if it still hard faults.

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