# **hw1secws documentation - ori petel**

The submission consists 3 files:

* The code – "hw1secws.c"
* Makefile
* Dry documentation (this file)

When the module loaded to the kernel it allocates 3 "nf\_hook\_ops" structures for each of the hook points: **input, forward, output**.

Then it calls an auxiliary function that I wrote - "set\_nf\_hook" in order to register each of the 3 hook points. If it fails, it reports an error and terminates safely.

"set\_nf\_hook" fills one of the "nf\_hook\_ops" structures, and then registers the hook with the function "my\_hook\_func".

**The rest of implantation details are specified in detail at the code comments. It's really should be sufficient.**

One last thing:

In the exercise we should allow local connection to the FW or from the FW. Therefore, we **accept** on **input & output** hook points.

However, we should block connection going through the FW. Therefore, we **reject** on **forward** hook point.

Each packet necessary pass through one of the 3 points, so we handle all the cases.