

Timing Management

Objective: In this lab you will create an LKM called “extimer”. The LKM should exercise several of the kernel timing management functions we explored.



File(s) for this lab:

1. The first thing “extimer” should do is delay its startup by 10 seconds, keeping in mind you DO NOT want to freeze the entire system for that period of time .

```
kernel: init_module() called
kernel: extimer: delaying startup for 10 seconds
kernel: extimer: installing timer
kernel: extimer: setting timer to fire callback in 20 seconds
kernel: extimer: mv timer callback called
kernel: Unloading extimer ...
```

2. Next, create a callback function called “my_timer_callback” and create a kernel timer to fire it off in 20 seconds.
3. Finally make sure to remove the kernel timer before unloading the module.