# Solution M5: System Startup and Processes Management

One possible solution could be:

1. Open the **/etc/default/grub** and change the following parameters:
   1. **GRUB\_TIMEOUT=60**
   2. Remove **quiet** from the **GRUB\_CMDLINE\_LINUX** option
   3. Save the file and execute **grub2-mkconfig -o /boot/grub2/grub.cfg**
2. **dmesg -H -P | tac > boot\_extract.txt**
3. **systemd-analyze plot > init\_duration.svg**
4. **pstree -p 1 > processes.txt**
5. **du -d 1 -h / | sort -h -r**
6. Create a process to be killed, for example:

**ping abv.bg > ping.txt &**

Then kill the process and capture the notification:

**P=$(pgrep ping); kill -9 $P ; wait $P 2>kill.txt**

1. **pidstat 5 5 > stat\_output.txt**
2. **sudo lsof +D /etc**
3. **top -b -d 5 -n 5 > process\_monitoring.txt**