PS7: *Kronos Intouch Parsing*
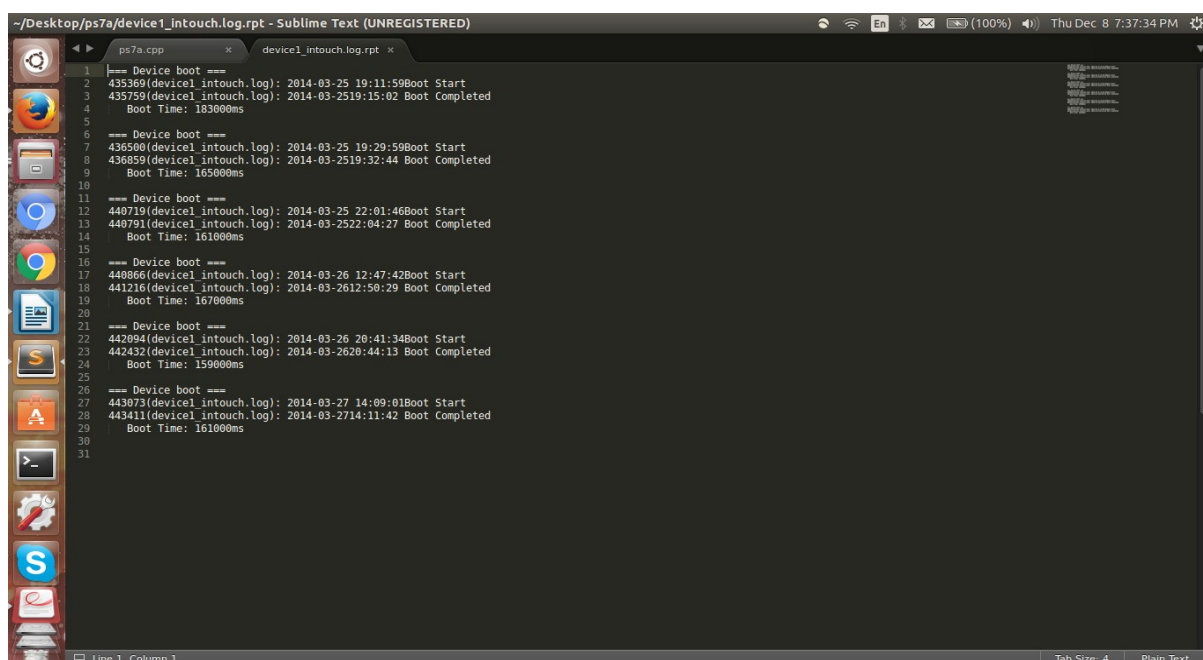
PS7a:

The Kronos Intouch was a interesting assignment to work on. The objective of this assignment was to implement a scan that can go through the inTouch log files finding specific lines and outputing them into a output file. To accomplish this, we needed to learn about regex commands. The assignment wanted us to find a specific line that started with *(log.c.166) server started* and to find the completion of the boot. We needed to find the elapsed time in between the start time and end time.

One library that was needed to accomplish this assignment was the boost regex software. This software was to have the ability to use functional regex commands and use functions that could recognize them. To start, I to use the *using* function to shorten the deceleration type it make it easier. I created regex commands for the start line and end line. I went through each line and checked each time. If the start exits but the end doesn't, it will give a incomplete error. After it completes the loop, I would subtract the end by the start to get the total elapsed time.

After accomplishing this assignment, I learned how to use regex commands and how to use they can be useful in the future commands. Formating the output file to look specific a specific output was a great skill when getting a job. Also, knowing the what functions are from the boost regex library was also a plus.