

gitlog.tex)

## **Project 3**

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Abstract: This is a paper that answers project 3 questions on how to write a RAM Disk device driver for linux

## WRITE-UP

### *Project 3*

#### *Algorithm*

Reading the LDD file that was suggested for us, I was able to create a sbd.c file. This involves almost all the functions from that document. The most important notes were that I was supposed to this as a module, this module then has to be moved to the virtual mashine using scp.

To create my sbd.c file I have used a blog post and changed it according to my needs.

*Reflection:* 1. I think the main point was to learn about different types of devices also using crypto API loading modules and using modle parameters..

2. I have watched many devices videos and read alot of blocks on what a block device needs to do, and once I got what functiosn it needs I figured out.

3. Approaching the problem piece by piece made it much easier. What was really frustrating was that I had to keep building the OS over and over again whenever I wanted to test it, so it took alot of time.

4. I learned how to compile and load individual kernel modules, about the crypto API, and how memory devices are handles and the kernel level

#### *work log*

When	What
5/13/2016	Started with Project 3, I read more about LDD then once that was done I started working on the sbd.c file and patch file.
5/15/2016	I have found a blog post that helped me build my own sdb.
5/16/2016	Everything finally worked well with qemu and Project 3 I have used scp to write on the file.

*Version Control Log*

<b>Detail</b>	<b>Author</b>	<b>Description</b>
e0f6bfa	topkayas	first commit
6443ef7	topkayas	First Commit Kernel v3.14.26
44dc181	topkayas	Summary Week 1
040e0b0	topkayas	updates
b489bd0	topkayas	update
12818e6	topkayas	update
d30ab81	topkayas	week 2 summary
18c007a	topkayas	IEEEtran
9c9e7bf	topkayas	summaries done
f4d7951	topkayas	title page
da69ee0	topkayas	summary
47b8240	topkayas	last changes
74dbc03	topkayas	1 column
902be28	topkayas	one column
eaba13e	topkayas	changes
8937dde	topkayas	changes
cbbc8ff	topkayas	starting with the pdf file
77d005b	topkayas	pdf
99459b0	topkayas	change pdf
c1e5297	topkayas	update
3eefb8f	topkayas	update
ff63e14	topkayas	update
9003cf9	topkayas	update
91630e4	topkayas	update latex
ce09049	topkayas	update latex
dcf140f	topkayas	update latex
c044b56	topkayas	homework finished
96bbd6a	topkayas	Final Fixes
b402199	topkayas	Done
10138f2	topkayas	add the connection
7fd097b	topkayas	add week 3 summary
6e91bc8	topkayas	update
da7b97a	topkayas	update
ca524ab	topkayas	update
20836ef	topkayas	Starting with the Writing Assignment 1
810ddfd	topkayas	check if everything looks fine
fba1b6f	topkayas	Checking the updated version