

Project 2

Ty Skelton

Abstract

CONTENTS

I	I/O Elevators	2
I-A	Main Point of Assignment	2
I-B	Approach	2
I-C	Ensuring solution was correct	2
I-D	What was learned	2
II	Set Up	2
III	Version Control Log	2
IV	Work Log	2

I. I/O ELEVATORS

A. Main Point of Assignment

B. Approach

I then focused on getting my merge logic to work in the *add_sstf_request* function.

C. Ensuring solution was correct

D. What was learned

II. SET UP

Building module and loading it into qemu

- Makefile next to your sbd.c code


```
obj-m := sbd.o
```
- run `make -C ../linux-yocto-3.14 SUBDIRS=$PWD modules`
- get module onto server


```
scp skeltont@os-class.engr.oregonstate.edu: /modules/sbd.ko ./
```
- install module to server


```
insmod sbd.ko crypto_key="testtest11"
```
- choose the driver


```
mkfs.ext2 /dev/tysbd0
```
- make the testdir and mount it


```
mkdir /mnt/testdir mount /dev/tysbd0 /mnt/testdir
```
- voila

III. VERSION CONTROL LOG

Commit	Author	Description
d871807	Ty Skelton	adds base code for scheduler
58fcc8c	Ty Skelton	fixes config files for recognizing scheduler
fd268d2	Ty Skelton	adding to queue works
4d9d85e	Ty Skelton	adds functionality for dispatcher

IV. WORK LOG

Date	Description
April 18	Created base branch for base files to use in scheduler.
March 20	Adds functionality for adding .
April 22	Core files established- Makefile, Kconfig.iosched, sstf-iosched.c
April 25	Finished document write-up