OPERATING Systems

Jo, Heeseung

Class materials

http://cslab.cbnu.ac.kr

• http://software.cbnu.ac.kr > 학과소개 > 교수진소개 > 조희승

Instructor

- Jo, Heeseung (heesn@cbnu.ac.kr)
- http://cslab.cbnu.ac.kr
- Room#327, S4-1 Bldg.
- Tel: 043-261-3757
- The best way to contact me is via email

Course description

This course covers topics on general operating system concepts such as process management, memory management, I/O systems, and file systems, with the in-depth study on operating systems Topics & Materials Operating system course Computer architecture review Introduction Architectural support for operating systems Process Thread Thread implementation Syncronization 1 Syncronization 2 Scheduling Memory Management Virtual memory 1 Virtual memory 2 Virtual memory 3 I/0 Storage File system File system internals

Prerequisites

Prerequisites

- C language
- Computer architecture (Required)
- System programming (Recommended)

You should be familiar with the followings:

- C programming skills
- Basic computer organization
- Data structure and algorithm understanding
- Unix/Linux system programming
- Multi-process/multi-threaded program concepts
- File I/O and network I/O concepts

시간표

Timetable

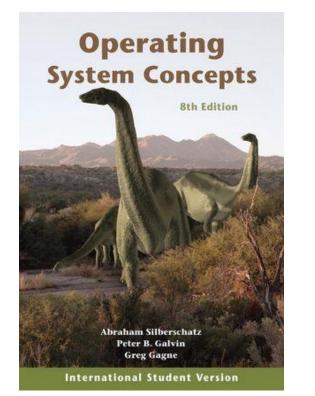
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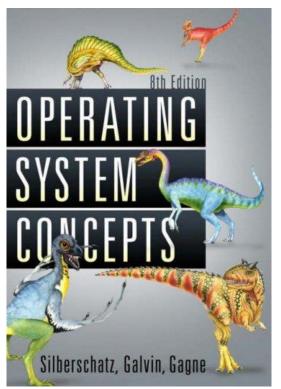
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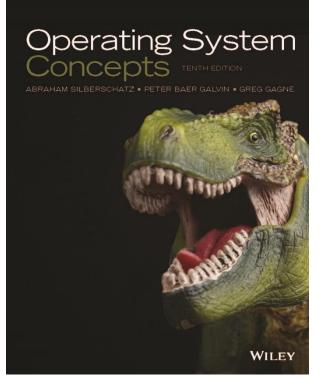
Textbook

Operating System Concepts

 Avi Silberschatz, Peter B. Galvin, and Greg Gagne, John Wiley & Sons, Inc.



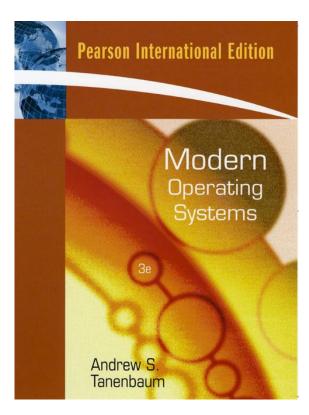


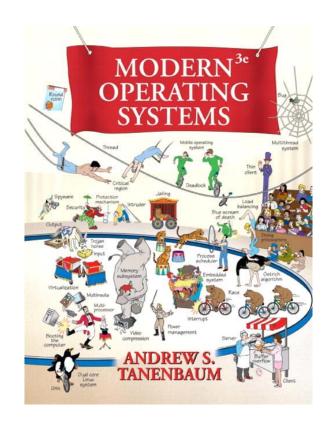


Reference

Modern Operating Systems

• Andrew S. Tanenbaum, Prentice-Hall

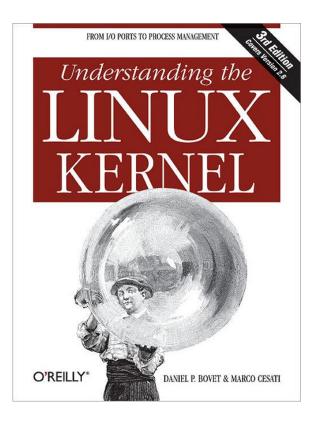




Reference

Understanding the Linux Kernel

• D. Bovet and M. Cesati, O'Reilly & Associates



Grading

Grading ratio (Subject to change)

- Exams: 60%
- Homework: 30%
- Etc: 10%
- No cheating
 - Sharing or copying of solutions
 - Of course, cooperation on exams, homework, and projects
 - Definitely F

Attendance policy

Do not be late!

• You should be present when I take class attendance

You can miss the class up to "three" times without any penalty

• More than 3 times, then D

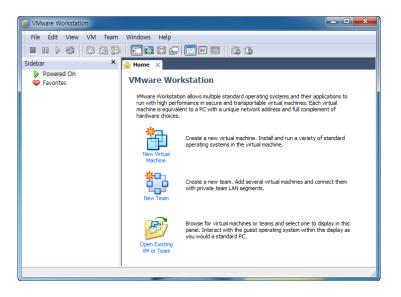
Reserved seat in class

- We will use reserved seat in this class for this semester
- Your seat will be reserved at the next class

OS playground

Using VMware

Install your own
 Linux / Unix / Windows / MacOS / ...



For homework

• Use VMware and ubuntu Linux 64-bit

Operating systems

Brezhonen

http://en.wikipedia.org/wiki/Operating_system

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δ ΩC W	Article Talk	R	ead E	Edit	View history	Search Q			
WIKIPEDIA The Free Encyclopedia	Operating system From Wikipedia, the free encyclopedia								
Main page Contents Featured content	This article needs additional citations for verification. Please help improve this article by adding citations to reliable sources. Unsourced material may be challenged and removed. (October 2011)								
Current events Random article Donate to Wikipedia	An operating system (OS) is a collection of sof for computer programs. The operating system is programs usually require an operating system to Time-sharing operating systems schedule tasks	Operating systems							
 Interaction Help About Wikipedia Community portal Recent changes Contact Wikipedia 	of processor time, mass storage, printing, and of For hardware functions such as input and output programs and the computer hardware, ^{[1][2]} althou frequently make a system call to an OS function contains a computer—from cellular phones and	nediary Iware a ost any	ediary between ware and will ost any device that		Application Operating System				
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	Contents [hide]					Hardware			
 Languages Acèh 	1 Types of operating systems					Common features			
Afrikaans	2 History					Process management			
Alemannisch	2.1 Mainframes					Interrupts			
মলাবানাওনো মলাই	2.2 Microcomputers					Memory management			
العربية	3 Examples of operating systems					File system			
Aragonés	3.1 UNIX and UNIX-like operating systems 3.1.1 BSD and its descendants				•	Device drivers			
অসমীয়া	3.1.1 OS X				•	Networking (TCP/IP, UDP)			
Asturianu	3.1.2 Linux and GNU				•	Security (Process/Memory protection)			
Azərbaycanca	3.1.2.1 Google Chromium OS				•	I/O			
বাংলা	3.2 Microsoft Windows					V·T·E			
Bân-lâm-gú	3.3 Other				L				
Башкортса	4 Components								
Беларуская	4.1 Kernel								
Беларуская	4.1.1 Program execution								
(тарашкевіца)	4.1.2 Interrupts								
Български	4.1.3 Modes								
Bosanski	4.1.4 Memory management								
Drophonog									

Computer systems

