

Preview Test: Homework-Ch2

Test Information

Description Homework on Chapter 2 topics

Instructions

Multiple Attempts Not allowed. This test can only be taken once.

Force Completion This test can be saved and resumed later.

QUESTION 1

1 points

Saved

(True or False): The current Linux kernel (for example, on the EECS cycle servers) uses the *syscall* (rather than the *software trap*) system call implementation.

- ☒ True
☐ False

QUESTION 2

1 points

Saved

(True or False): Passing function arguments in registers is faster than passing arguments on the stack.

- ☒ True
☐ False

QUESTION 3

1 points

Saved

True or False: Each virtual machine (created by the hypervisor) can expose a virtual interface that is *identical* to that of the real underlying hardware.

- ☒ True
☐ False

QUESTION 4

1 points

Saved

Choose and write only the single upper-case letter indicated for each option (e.g., 'A', or 'B', or 'C', or 'D'; no quotes):
The API provided by the OS to users and application programs is called the

A

The options are:
A - System Calls
B - System Programs

Question Completion Status:

QUESTION 5

2 points

Saved

(Choose and write only the single upper-case letter indicated for each option):

The Linux OS uses a hybrid design that combines aspects of the and approaches.

Options are:

- A - monolithic
- B - layered
- C - microkernel
- D - modular

QUESTION 6

2 points

Saved

(Choose and write only the single upper-case letter indicated for each option):

The is a system program that takes an assembly code file as input and outputs object code. The is a system program that resolves external references.

Options are:

- A - Preprocessor
- B - Compiler
- C - Assembler
- D - Linker
- E - Loader

QUESTION 7

2 points

Saved

Write 'T' for true and 'F' for false (upper-case and no quotes): A *modular* OS design has the following properties:

- (a) moves much of the functionality from kernel space to user space --
- (b) requires modules to communicate by passing messages across the OS interface --
- (c) allows users to add or remove kernel services dynamically --
- (d) is not as small as a microkernel OS design --

QUESTION 8

2 points

Saved

Write 'T' for true and 'F' for false (upper-case and no quotes):

An operation by the currently running process to get the process-id will cause the following:

- (a) context switch --
- (b) mode switch --

⌵ Question Completion Status:

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers

Save and Submit