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⋮⋮ Question   **1 pts**

Why was there no need of memory abstraction in the early operating systems?

⊙ The early operating systems were only capable of running a single program along side the operating system so there was no need of virtualization since no sharing of resources was required. Only one process was running and that had exclusive access to all resources.

⊙ The early operating systems did not provide the required hardware.

⊙ The early operating systems had no support of memory.

⊙ The early operating systems were slow to handle multiple processes.

⋮⋮ Question   **1 pts**

The three memory abstraction goals are (choose all that apply)

☐ Transparency

☐ Protection/Isolation

☐ Efficiency

☐ Security

☐ Convenience

⋮⋮ Question   **1 pts**

Stack memory holds all dynamic memory allocations through malloc calls?

⊙ True

⊙ False

⋮⋮ Question   **1 pts**

Malloc and free are examples of system calls?

⊙ True

swer   ○ False

⠿ **Question**   **1 pts**

System calls are always executed in the kernel (privileged) mode?

swer   ○ True

            ○ False

⠿ **Question**   **1 pts**

Which of the following are system calls? (choose all that apply)

swer   ☐ brk

swer   ☐ sbrk

swer   ☐ mmap

            ☐ malloc

            ☐ calloc

            ☐ realloc

⠿ **Question**   **1 pts**

All addresses generated in a user program are physical addresses?

            ○ True

swer   ○ False

⠿ **Question**   **1 pts**

The base and bounds are used by the MMU for converting the virtual to physical address. The bounds register may store? (choose all that apply)

swer   ☐ The size of the process address space.

swer   ☐ The maximum valid address of the process address space.

            ☐ The starting address of the code segment.

            ☐ The ending address of the data segment.

⠿ **Question**   **1 pts**

The MMU stands for

swer   ○ Memory Management Unit

○ Main Memory Unit

○ Memory Maintenance Unit

○ Many Memory Unit

Question   1 pts

The operating systems keeps track of the free space in memory through a specialized data structure called?

iswer

○ free list

○ free memory

○ memory list

○ memory array

+ **New question**   + **New question group**   🔍 **Find questions**

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