

CSC369 Week 5 Notes

Hyungmo Gu

May 26, 2020

1 Memory Management

- Physical Memory vs Virtual Memory ^[1]
 - Physical Memory
 - * Is RAM :)!!
 - * Is the first memory used when computer requires memory such as loading application or OS
 - Virtual Memory
 - * Is stored on hard drive
 - * Is used when RAM is filled
 - * Is slower than RAM

Refernces:

- 1) Tech Walla: What Is the Difference Between Virtual Memory & Physical Memory?, [link](#)

- Memory Management
 - Is the process of controlling and coordinating computer memory, by assigning portions known as **blocks** to various programs ^[1]

Refernces:

- 1) Guru 99: Memory Management in OS: Contiguous, Swapping, Fragmentation & Physical Memory?, [link](#)

- Fixed Partitioning
- Dynamic Partitioning

- Paging
- Address Translation
- TLBS