CS Bridge Module 23 Processes and Threads

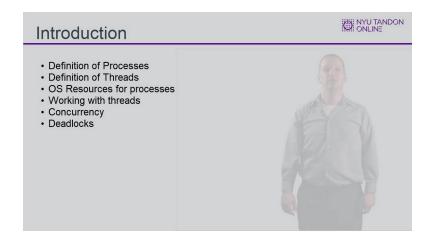
1. Processes and Threads

1.1 CS Bridge: Processes & Threads



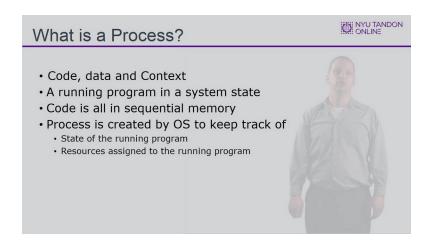
Notes:

1.2 Introduction

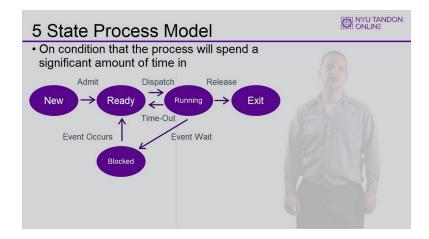


Notes:

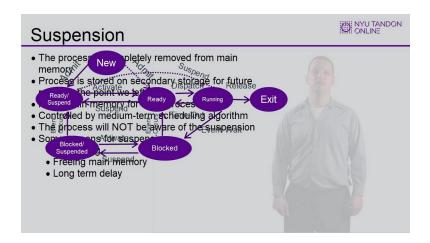
1.3 What is a Process?



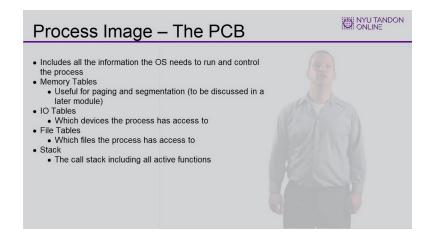
1.4 5 state process model



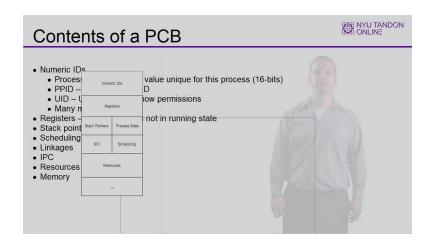
1.5 Suspension



1.6 Process Image - The PCB



1.7 Contents of a PCB



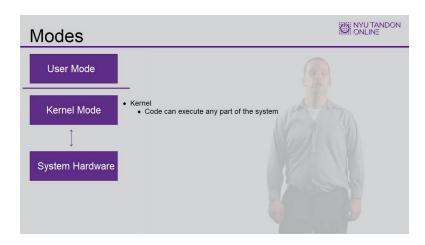
1.8 Modes



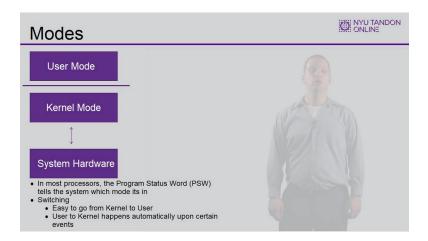
User Mode (Slide Layer)



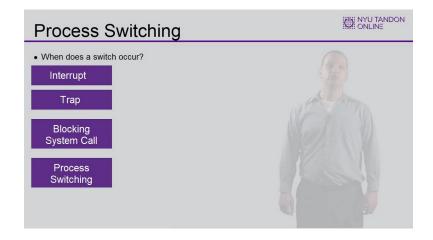
Kernel Mode (Slide Layer)



System Hardware (Slide Layer)



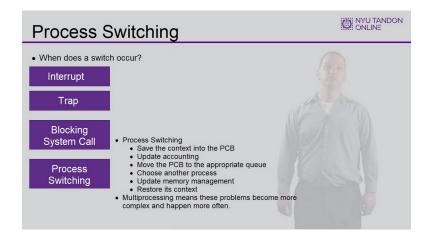
1.9 Process Switching



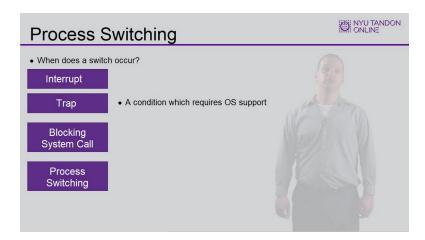
Interrupt (Slide Layer)



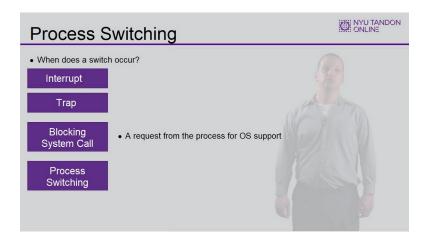
Process (Slide Layer)



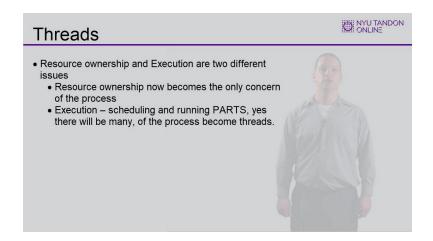
Trap (Slide Layer)



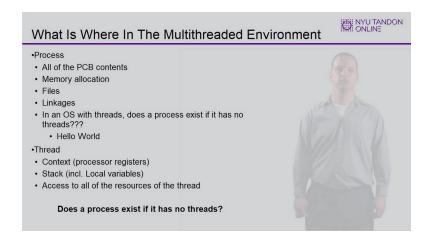
Blocking System Call (Slide Layer)



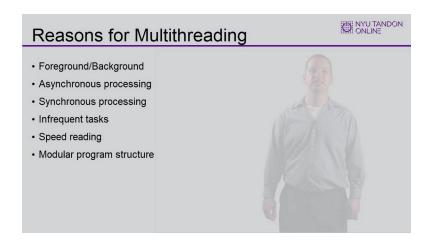
1.10 Threads



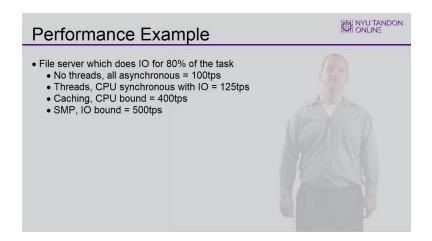
1.11 What Is Where In The Multithreaded Environment



1.12 Reasons for multithreading



1.13 Performance example



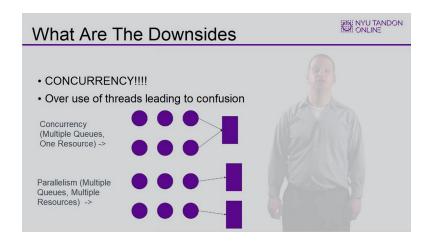
1.14 Thread states/Operation



Untitled Layer 1 (Slide Layer)

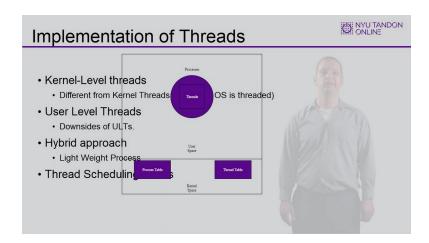


1.15 What are the downsides

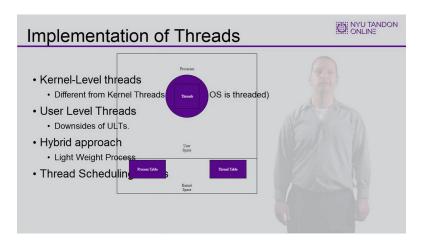


Notes:

1.16 Implementation of Threads



Untitled Layer 1 (Slide Layer)



1.17 End of Module

