







## **Lesson Outcomes**

- Understand the organization of virtual memory systems.
- Understand the process of virtual to physical address translation.
- Knowhowthe operating systemintervenes in a virtual memory system, in particular on a page fault.
- Knowhowmulti-level page tables accomplish address translation.
- Knowhowaddress translation is accomplished on virtual memory systems that use segmentation.
- Understand how caches are integrated on a virtual memory system.

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