

Demand Paging

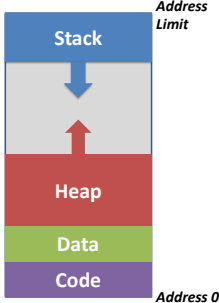
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Growing Regions

- As stack or heap expand
 - More pages added as new memory frames referenced in code
- Easily handled by handling Page Faults and *Demand Paging*



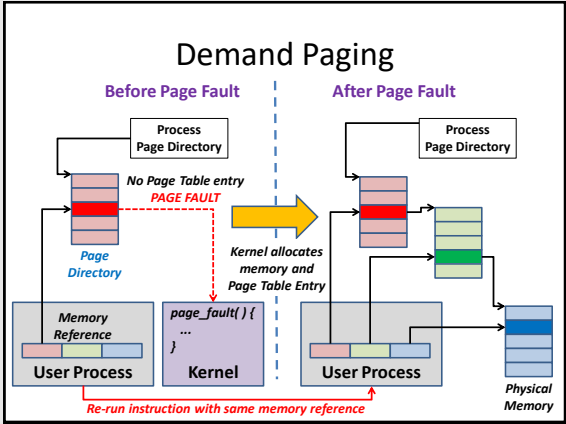
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Demand Paging

- Start process with partial or even empty page tables
- Reference to unallocated memory will cause a PAGE FAULT

- PAGE FAULT handler
 - If necessary, creates new Page Table and attaches it to Page Directory
 - Allocates physical memory for frame (memory block), and retrieves code or data from disk
- Re-run last instruction, which should now succeed

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