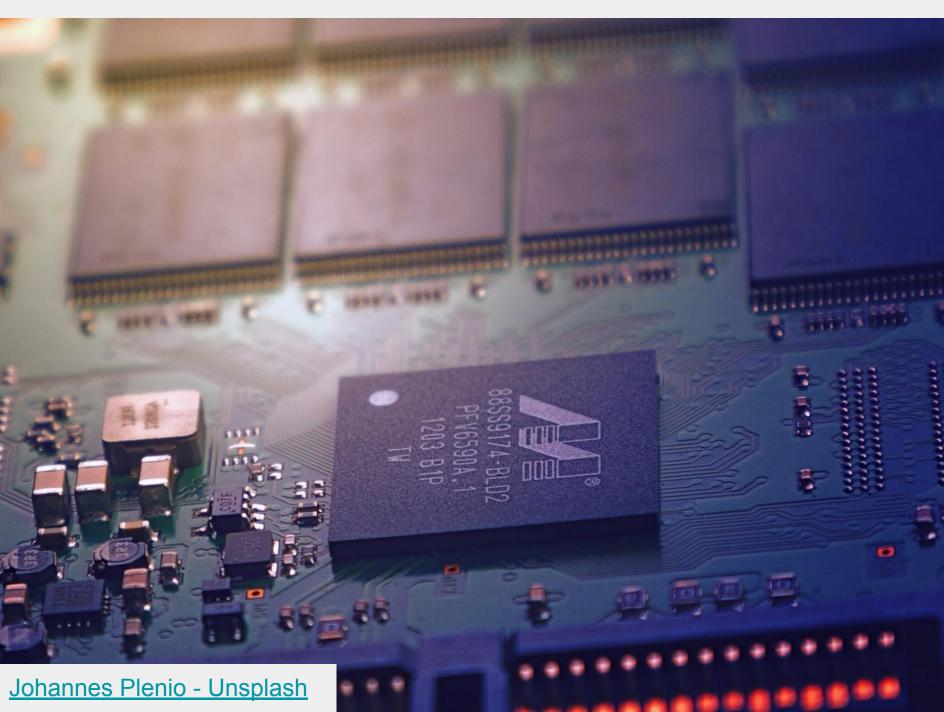
Processes

Adapted from materials by Dr. Carrier



What is a process?

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Process = The execution of a program/command

ps - list active processes

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ps -f - for more info

- ps list active processes
- ps -f for more info
- top for an interactive view

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Terms:

PID - Process ID

PPID - Parent process ID (what started this process?)

We typically run things in the foreground

This takes over the shell until the process finishes

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To run something in the background:

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To run something in the background:

command &

To suspend a running process:

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This takes over the shell until the process finishes

To run something in the background:

command &

To suspend a running process: Ctrl + Z

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To suspend a running process: Ctrl + Z

To resume suspended process in foreground:

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To run something in the background:

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To suspend a running process: Ctrl + Z

To resume suspended process in foreground: fg

To resume suspended process in background: bg

We typically run things in the foreground

This takes over the shell until the process finishes

To run something in the background:

command &

To suspend a running process: Ctrl + Z

To resume suspended process in foreground: fg

To resume suspended process in background: bg

jobs to show foreground, background, and suspended processes

Stopping a process

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Ctrl + C to stop the process in the foreground

Stopping a process

Ctrl + C to stop the process in the foreground

Stopping a process in background / suspended:

kill pid (attempts to stop process gracefully)

kill -9 pid (force kill)