NGS Bioinformatics: Virtual Machine

Based on material by Jacqui Keane

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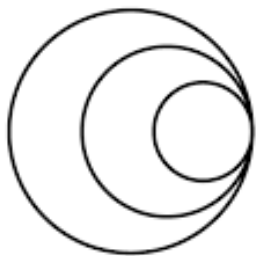
Operating System (OS)

- Software that supports the computer's basic functions

    - Manages computer hardware (screen, mouse, keyboard)

    - Provides tools for managing files, running software

    - Provides a way via software applications to interact with the computer

- Examples:
    - Windows
    - OS X
    - Unix
    - Linux
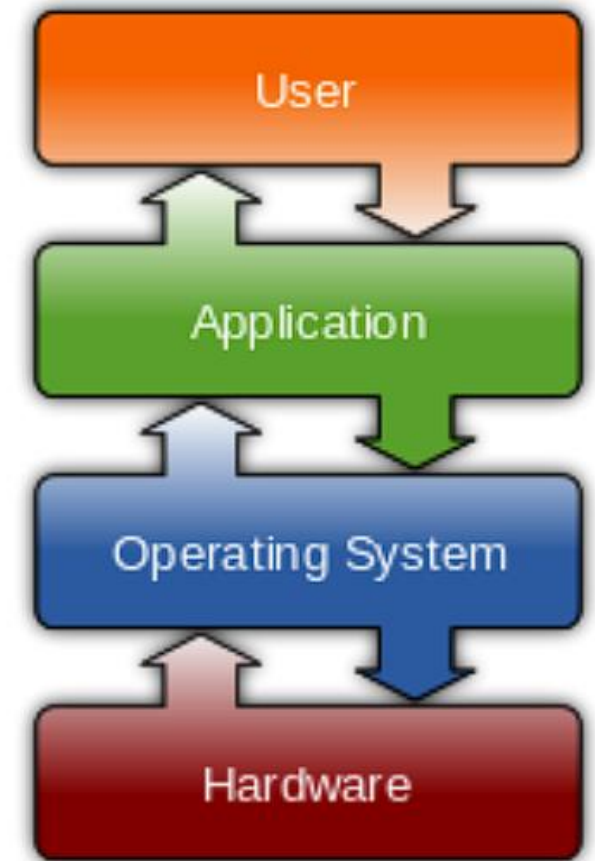
Virtual Machine (VM)

- VM is a computer enviroment that can be run on any computer
  - OS, data, software application

- Allows you to run one OS (Linux) on another OS (Windows)

- Created a VM for this course
  - Linux OS
  - Data for practicals
  - Bioinformatics software (bwa, samtools, vcftools, igv, etc.)
- Take it home and use on your own machine
  - Take the course again!
  - Run bioinformatics analysis

Getting Started