# Intro to Linux



1.1.3 – Configuration and Installation



## Basic Package Compilation from Source

- The following commands can help to prepare, compile, and install software from its source code:
  - ./configure
  - o make
  - o make install





## ./configure

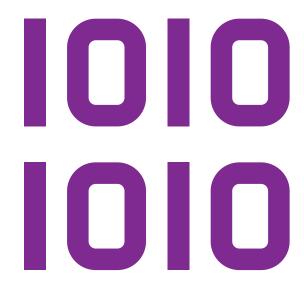
- A script commonly used in the process of installing software from source code
- Checks a system for dependencies and required libraries
- Generates a makefile specific to a system and configuration





### make

- This command reads the makefile and identifies the executable file
- Compiles the source code into executable binaries or libraries
- Checks dependencies and executes commands associated with each dependency
- If any source file changes, make runs the compilation commands to generate the desired output





#### make install

- After the software has been successfully compiled using make, you can then use the make install command to install it on your system
  - Often requires administrative privileges, i.e. running sudo make install

