

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`
 - `make`
 - `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**

