**Installations**

**# Compiling:**

1. Extract – extracting source files (tar –zxvf \*\*\* .gz)
2. Setup:

\* Compatibility of our system

\* Custom install

* ./**configure** 🡪 make file (build, install, clean)

1. build – compiling code files to binary files (***make****) –*what files we need to compile in order to my personal compatibility and prepare file installation
2. Install – distribute installation files and other actions (***make install)***
3. Clean up – delete temporary setup files (***make clean)***

**Tar:**

*c –* create tar files

*x –* extract files

z – compress files with gzip

j – compress files with bzip2

p – extract to the path I'm in

f – **have** to be in the end because after it will be the tar file

**# Repository Creation Options:**

1. Download RPM of repo
2. yum-config-manager --add-repo="repo-path"
3. Manually - Editing empty file

Configured by /etc/yum.repos.d/\*.repo

The file including:

mirrorlist=*http://* - the website where the package is located

*baseurl=http://* - the website where the package is located

*enabled=1/0 = default or not*

*gpgcheck=0* - I always trust the files, no need for key

gpgkey =file:///etc/pki/rpm-gpg/

/etc/yum.conf

yum list – show me all the available packages

yum search – search for specific package

yum info – show me details on package

yum install – install package

yum upgrade – upgrade package make purge to old package

yum remove – remove package and dependencies

yum local install \*.rpm – install rpm from local installation

yum provides \* - file I need for installation

**# RPM – (Red hat Package Manager) like .msi**

**Package including:**

- Source –\_ \_ \_.tar.gz

- Dependency list – checking what packages I need for installation and list them

- Scripts (delete files. Log written, create files etc...)

- Read me file

- Change log files

- Spec file:

1. Preamble – give info about the package (owner package, when etc...)

2. Setup – all the parameters of setup (./configure, make, make install etc...)

\*\* RPM is managing his own database

rpm -ivh – installation command on rpm file (I – install, v- verbose, h- hash marks (progress bar))

rpm -U – upgrade

rpm -e --nodeps – erase software

rpm -qa – show all rpm installations

rpm -qi – show me software/package details

rpm -qf {/etc/\_ \_} – give me the source package of the file

rpm -qc – give me the path configuration file

sudo subscription-manager list --all --available

sudo subscription-manager unregister

sudo subscription-manager clean

sudo subscription-manager register

sudo subscription-manager refresh

sudo subscription-manager attach --auto