*Debian Packaging

→ dpkg is the underlying package manager for these system.

→ It can install install, remove, and build packages.

→ Unlike higher-level package managment systems, It does not automatically download and install packages and satisy their dependencies.

```
┌──┐ APt
└──┘
  ↓
┌──┐ dpkg
└──┘
  ↓
┌──┐ Debian Family
└──┘
```

→ For Debian-based system, the higher-level package managment is Advanced Package tool (APt) system of utilities.

→ Generally while each distribution within the Debian family uses APT, It creates its own user interface on top of it (for Example, apt and apt-get, synaptic, gnome-software, ubuntu software center etc).

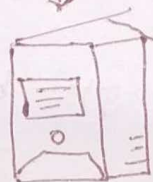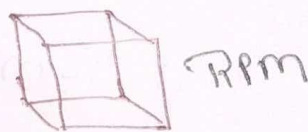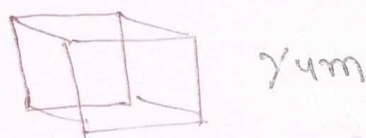→ Although apt repositories are generally compatible with each other, the software they containt generally is not.

—) Therefore, most repositories target a perticular distribution (like Ubyntu).

—) And often saftware distributors ship with multiple repositories to support multiple distributions.

* Red Hat Package manager (RPM)

—) Red Hat Package manager (RPM) is the other Package managment system Popular on Linux distributions.

—) It was developed by Red Hat and adopted by a number of other distribution, including, fedora centos SUSE/open SUSE, oracle Linux and others.

Yum

RPM

Red Hat family

Red Hat Package manager

—) The higher-level Package manager differs between distributions.

→ Red Hat family distributions historically use RHEL | centos, and Fedora uses dnf, while SUSE family distributions such as openSuse also use RPM but the zypper interface.

* openSuSE's YaST Software managment

→ The Yet another setup Tool (YaST) software manager is similar to other graphical Package managers.

→ It is an RPM-based application.

.) You can add, remove or update Package using this application very easily.

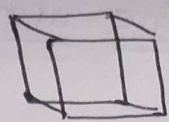→ To access the YaST software manager,

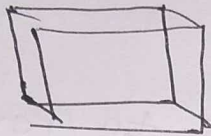1. click Activities

2. In the search box, type YaST

3. click the YaST icon

4. click Software management

→ You can also find Yast by clicking on Applications > other -YaST which is strange Place to Put it.

YaST Software manager

↓

RPM

↓

SUSE Family

Open SUSE Software managment

→ OpenSUSE Yast Software management application is Similar to the graphical Package manager in other distribution.