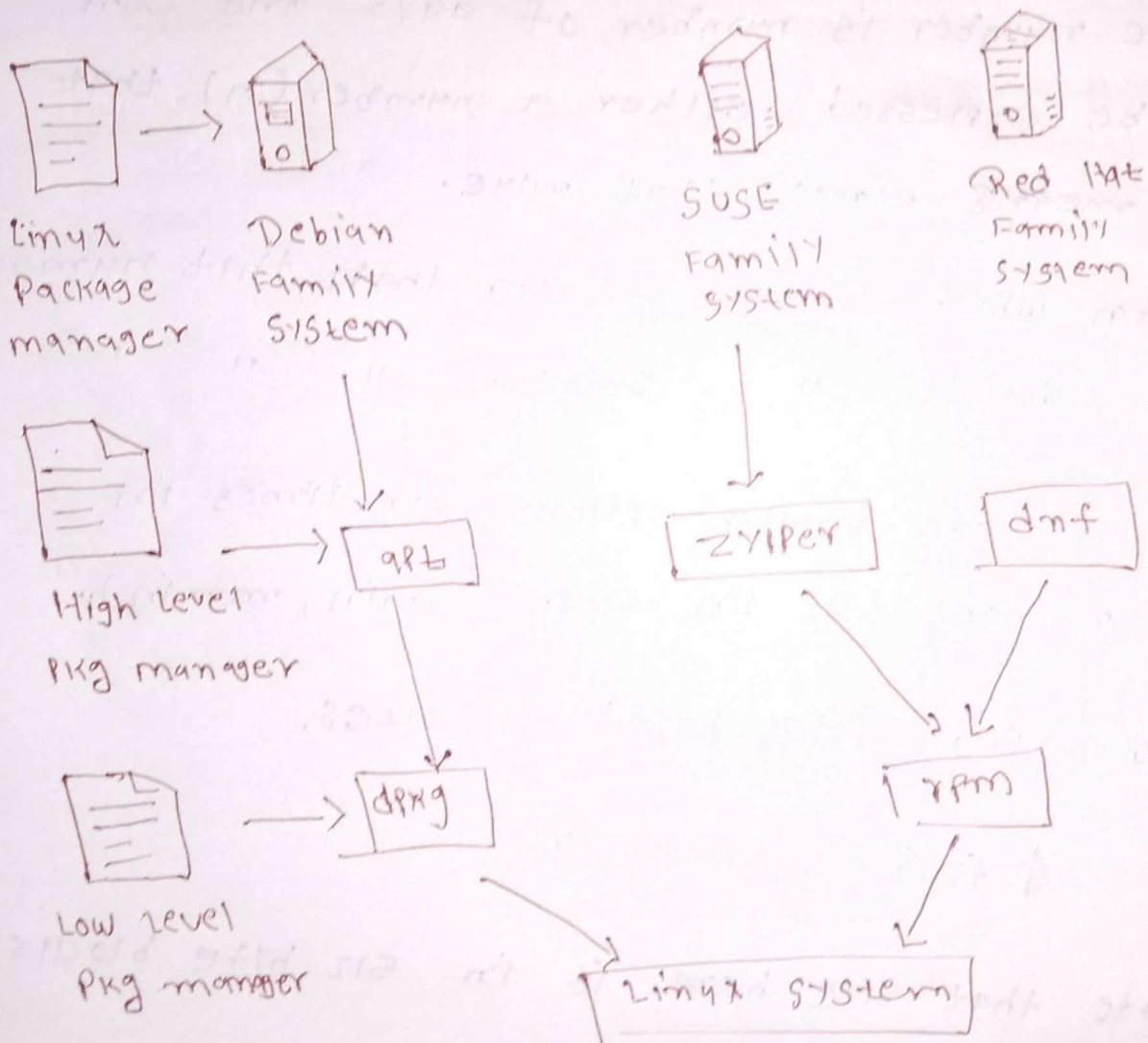


## \* Package managers : Two levels



## \* Working with Different Package manager

→ zypper is the package management system for the SUSE / openSUSE family and also based on RPM.

→ zypper is fairly straightforward to use and closely resembles dnf.

Operation	rpm	deb
install package	<code>rpm -i foo.rpm</code>	<code>dpkg --install foo.deb</code>
install package dependencies	<code>dnf install foo</code>	<code>apt install foo</code>
Remove pkg	<code>rpm -e foo.rpm</code>	<code>dpkg --remove foo.deb</code>
Remove Pkg dependencies	<code>dnf remove foo</code>	<code>apt autoremove foo</code>
update pkg	<code>rpm -U foo.rpm</code>	<code>dpkg --install foo.deb</code>
update pkg dependencies	<code>dnf update foo</code>	<code>apt install foo</code>
update entire system	<code>dnf update</code>	<code>apt dist-upgrade</code>

Operation	rpm	deb
show all installed packages	rpm -qa or dnf list installed	dpkg --get-selections
Get information on pkg	rpm -qi foo	dpkg-query -f='\${Package} \${Version} \${Architecture} \${FileList}\n'
show pkg named foo	dnf list "foo"	dpkg-query -f='\${Package} \${Version} \${Architecture} \${FileList}\n'
show all available pkg	dnf list	dpkg-query -f='\${Package} \${Version} \${Architecture} \${FileList}\n'
what pkg is file part of	rpm -qf file	dpkg-query -f='\${Package} \${Version} \${Architecture} \${FileList}\n'