**Package Managers Cheatsheet**

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| **Repository Tool Task** | **APT** | **DNF** |
| Install package from repo | apt install <package> | dnf install <package> |
| Install package from file | dpkg -i <package.deb> | dnf <package.rpm> |
| Install package group | apt install <meta package> | dnf group install <group> |
| Reinstall package | apt-get --reinstall install <package> | dnf reinstall <package> |
| List software groups | NA | dnf group list |
| Remove package | apt remove <program name> | dnf remove <program name> |
| Remove package group | apt remove <meta package> | dnf group remove <group> |
| Search for package | apt search <program name> | dnf search <program name> |
| Search for file | apt search <file name> | dnf provides <file> |
| Display package info | apt info <package> | dnf info <package> |
| Update package | apt install <package> | dnf upgrade <package> |
| Update repository | apt update | dnf check-update |
| Upgrade system | apt upgrade | dnf upgrade |
| Upgrade distribution | apt full-upgrade | dnf upgrade |
| Remove a package | apt remove <program name> | dnf remove <program name> |
| List Installed packages | apt list --installed | dnf list installed |
| List repositories | cat /etc/apt/sources.list | dnf repolist |
| Add repository | edit /etc/apt/sources.list | edit /etc/yum.repos.d/<repo file> |

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| **Local Tool Task** | **DEB** | **RPM** |
| **Install package file** | dpkg -i <package.deb> | rpm -i <package.rpm> |
| **Upgrade package file** | dpkg -i <package.deb> | rpm -U <package.rpm> |
| **Remove package** | dkpg -r <program name> | rpm -e <program name> |
| **Show all installed packages** | dpkg -l | rpm -qa |
| **List files in installed package** | dpkg -L <program name> | rpm -ql <program name> |
| **List files in uninstalled package** | dpkg -c <package.deb> | rpm -qlp <package.rpm> |
| **Show installed package info** | dpkg -p <program name> | rpm -qi <program name> |
| **Show uninstalled package info** | dkpg -I <package.deb> | rpm -qip <package.rpm> |
| **Verify package** | NA | rpm -V <program name> |