**Linux Package Management Cheatsheet**

Warning

This entry was written more than 1 year ago. Please read the article keeping in mind its age.

APT, Yum and Zypper Package Management Tools Cheasheet

**Managing Packages**

| **Task** | **apt (deb)** | **yum (rpm)** | **zypper (rpm)** |
| --- | --- | --- | --- |
| **Install from repository** | apt-get install pkg-name | yum install pkg-name | zypper install pkg-name |
| **Update package** | apt-get install pkg-name | yum update pkg-name | zypper update -t package pkg-name |
| **Remove package** | apt-get remove pkg-name | yum remove pkg-name | zypper remove pkg-name |
| **Install from package file** | dpkg -i pkg-name | yum localinstall pkg-name | zypper install pkg-name |

**Searching Packages**

| **Task** | **apt (deb)** | **yum (rpm)** | **zypper (rpm)** |
| --- | --- | --- | --- |
| **Search by package name** | apt-cache search pkg-name | yum list pkg-name | zypper search pkg-name |
| **Search by pattern** | apt-cache search pattern | yum search pattern | zypper search -t pattern pattern |
| **Search by file name** | apt-file search path | yum provides file | zypper wp file |
| **Show package information** | apt-cache show pgk-name | yum info pkg-name | zypper info pkg-name |
| **List installed packages** | **dpkg -l** | **rpm –qa** |  |
| **Show contents of a package** | **dpkg –L gcc-fortran** | **rpm -ql gcc-gfortran** |  |

**Updating System**

| **Task** | **apt (deb)** | **yum (rpm)** | **zypper (rpm)** |
| --- | --- | --- | --- |
| **Update package list** | apt-get update | yum check-update | zypper refresh |
| **Update all packages** | apt-get upgrade | yum update | zypper update |

The check-update command will refresh the package index and check for available updates:

yum check-update

**Software Repositories**

| **Task** | **apt (deb)** | **yum (rpm)** | **zypper (rpm)** |
| --- | --- | --- | --- |
| **List repositories** | cat /etc/apt/sources.list | yum repolist | zypper repos |
| **Add repository** | *edit* /etc/apt/sources.list | *add to* /etc/yum.repos.d/ | zypper addrepo URI name |
| **Remove repository** | *edit* /etc/apt/sources.list | *remove from* /etc/yum.repos.d/ | zypper removerepo name |