

APT / APT-GET / YUM

APT (Advanced Package Tool) and apt-get are both package management tools used in Debian-based Linux distributions like Ubuntu.

Used to install/update/remove softwares in linux.

APT VS APT-GET

apt-get: It does not automatically handle or resolve package dependencies. You need to use the apt-get install command along with the --fix-missing option to attempt to resolve any missing dependencies.

It does not support package caching by default. You need to use separate tools like apt-cache for package information caching.

apt: It includes an automatic dependency resolver. When you use the apt install command, it automatically resolves and installs any required dependencies.

It has built-in caching support. It automatically caches package information, allowing faster subsequent package management operations.

summary: apt is an improved version of apt-get, offering a more user-friendly interface, better dependency handling, progress display, and built-in caching.

Apt-get is mostly used for Dockerfiles

USAGE:

Update package : `sudo apt-get update` or `apt update`

Update sources list

Upgrade installed packages: `sudo apt-get upgrade` or `sudo apt upgrade`

Upgrade all installed packages

Install a package: `sudo apt-get install <package-name>` or `sudo apt install <package-name>`

Install specific package

Remove a package: `sudo apt-get remove <package-name>` or `sudo apt remove <package-name>`

It removes the specified package from the system while keeping the configuration files.

Purge a package: `sudo apt-get purge <package-name>` or `sudo apt purge <package-name>`

This command removes the specified package along with its configuration files.

YUM

command is a package management tool used primarily in RPM-based Linux distributions like CentOS, Fedora, and Red Hat Enterprise Linux (RHEL).

```
sudo yum update
```

```
sudo yum install <package-name>
```

```
sudo yum remove <package-name>
```

```
yum list installed
```

```
yum search <search-term>
```

```
sudo yum clean all
```