

Day 7

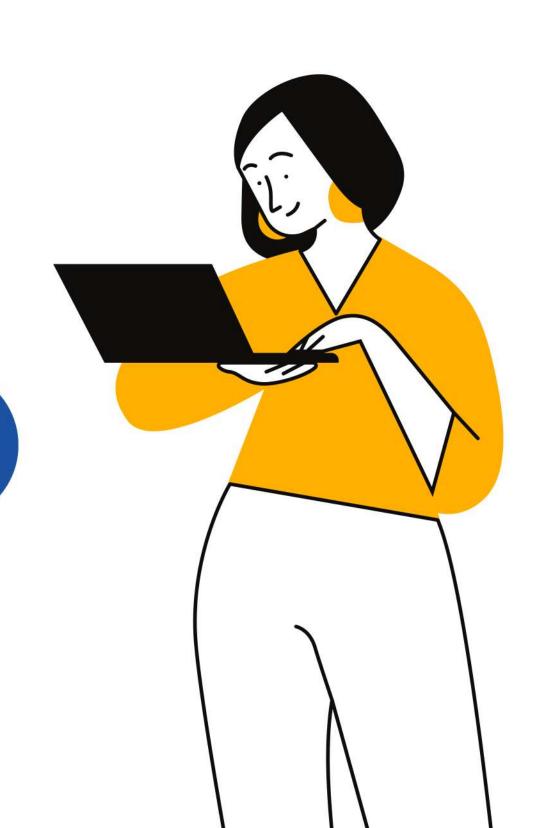
DevOps with AWS Engineering

Linux Part 4

Ghar me thoda setup karte hai

#75DaysOfDevOps





Thought of the day

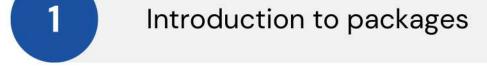
Choose you Music well.





Aaj ka Kahani 😜

Apni seat belts kriypya badh lijiye



- 2 Package managers
- 3 Installation examples
- 4 Practical Examples



Introduction to packages

What are packages and why do use them?

- Simplified Installation and Removal
 - Packages streamline the process of installing and removing software
- Dependency Management

 Package managers automatically handle dependencies, ensuring that all necessary libraries and components are installed.
- Consistent Updates

 Packages are checked to make sure they're safe to use, so you don't get any broken or harmful pieces.
- System Integration
 Packages are designed to integrate smoothly with the system, following standard directory structures and configuration practices.



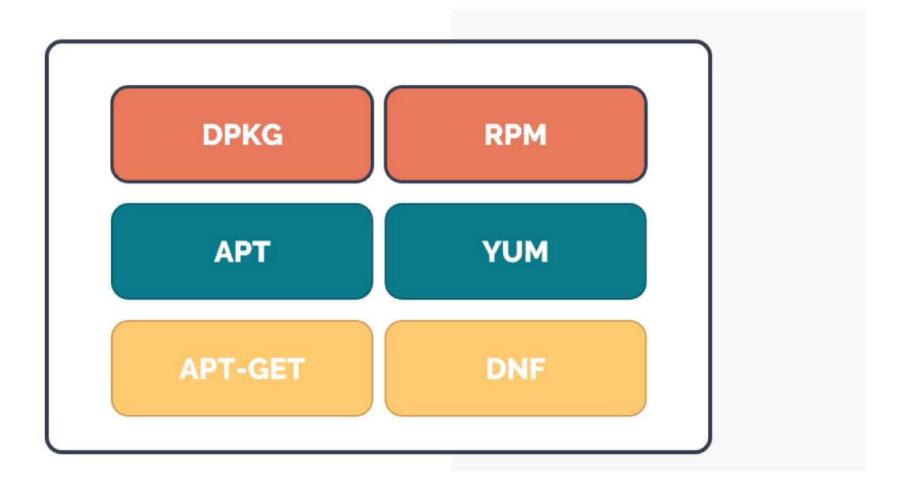
PACKAGE METADATA LINUX PACKAGE REPOSITORY SYSTEM MANAGER PACKAGE PACKAGE DEPENDENCIES



Introduction to packages

What are packages and why do use them?

Types of Package Managers





Installation & Setup

apt, apt-get, dpkg are by default present in ubuntu

Check versions

dpkg --version
apt --version
apt-get --version

Update: sudo apt update

This command refreshes the list of available packages and their versions but does not install or upgrade any packages.

Upgrade: sudo apt upgrade

This command upgrades all the installed packages to the latest available versions. It includes apt, dpkg, and apt-get if newer versions are available.



Examples

Let's see few examples

- Update package list sudo apt update
- where to check stored files cat /var/lib/dpkg/status
- Upgrade Package list Sudo apt upgrade
- Install a package sudo apt install git
- List all available versions sudo apt list -a nginx OR apt-cache madison nginx
- Install the desired version sudo apt-get install nginx=1.24.0-2ubuntu7
- Remove package sudo apt remove git
- List files to be purged dpkg -l | grep '^rc'
- Completely remove a package and its configuration files sudo apt purge git
- Search and verify installation apt list --installed | grep curl

Questions

Ab jo bhi **sawaal** hai, poochh lo. Koi bhi sawaal chhota ya bada nahi hota.

"Pata nahi, kal Kaun Banega Crorepati mein aa jaye!"