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find [directory] -name <search_pattern> : Finds files and directories.
grep <search pattern> <file> : Searches for a pattern in files.

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Package management (APT)
sudo apt install <package> : Installs a package.
sudo apt install -f -reinstall <package> : Reinstalls a broken package.
apt search <package> : Searches for APT packages.
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apt-cache policv <package> : Lists available package versions.

sudo apt update : Updates package lists.

sudo apt upgrade: Upgrades all upgradable packages.

sudo apt remove <package> : Removes a package.

sudo apt purge <package> : Removes a package and all its configuration files.

LXD

LXD is a modern, secure and powerful tool that provides a unified experience for running and managing containers or virtual machines. Visit https://canonical.com/lxd Support (LTS) commitment in addition to management and compliance tooling. for more information.

lxd init : initializes LXD before first use

Creating instances

lxc init ubuntu:22.04 <container name> : Creates a lxc system container (without starting it).

lxc launch ubuntu:24.04 <container name> : Creates and starts a lxc system

lxc launch ubuntu:22.04 <vm name> --vm : Creates and starts a virtual machine.

Managing instances

lxc list: Lists instances.

lxc info <instance> : Shows status information about an instance.

lxc start <instance> : Starts an instance.

lxc stop <instance> [--force] : Stops an instance.

lxc delete <instance> [--force|--interactive] : Deletes an instance.

Accessing instances

lxc exec <instance> -- <command> : Runs a command inside an instance.

lxc exec <instance> -- bash : Gets shell access to an instance (if bash is installed).

lxc console <instance> [flags] : Gets console access to an instance.

lxc file pull <instance>/<instance filepath> <local filepath> : Pulls a file from an instance.

lxc file pull <local filepath> <instance>/<instance filepath> : Pushes a file to an instance.

Using projects

lxc project set <project> <option> : Configures a project.

lxc project switch <project> : Switches to a project.

Package management (Snap)

snap find <package> : Search for Snap packages.

sudo snap install <snap name> : Installs a Snap package.

sudo snap remove <snap name> : Removes a Snap package.

sudo snap refresh: Updates all installed Snap packages.

snap list : Lists all installed Snap packages.

snap info <snap name> : Displays information about a Snap package.

Ubuntu Pro

Ubuntu Pro delivers 10 years of expanded security coverage on top of Ubuntu's Long Term Visit https://ubuntu.com/pro to register for free on up to five machines.

Activating Ubuntu Pro

sudo pro attach <token> : Attaches your machine to Ubuntu Pro using a specific token. This token is provided when you subscribe to Ubuntu Pro.

Managing services

sudo pro status: Displays the status of all Ubuntu Pro services.

sudo pro enable <service> : Enables a specific Ubuntu Pro service. like ESM. FIPS. or Livepatch.

sudo pro disable <service> : Disables a specific Ubuntu Pro service.

Extended Security Maintenance (ESM)

sudo pro enable esm-infra : Activates Extended Security Maintenance for infrastructure packages, providing security updates beyond the standard release cycle.

sudo pro enable esm-apps: Activates ESM for applications, extending security coverage for specific applications.

Livepatch service

sudo pro enable livepatch: Enables the Livepatch service, which applies critical kernel patches without rebooting.

FTPS mode

sudo pro enable fips: Enables FIPS (Federal Information Processing Standards) mode, enforcing strict cryptographic standards and practices.

Updating configuration

sudo pro refresh: Refreshes the Ubuntu Pro state to ensure the latest configuration and services are in place.

Detaching Ubuntu Pro

sudo pro detach: Detaches the machine from Ubuntu Pro, disabling all services.