

What is Linux?

Linux is a Unix-like OS kernel developed by Linus Torvalds in 1991 Dark-themed

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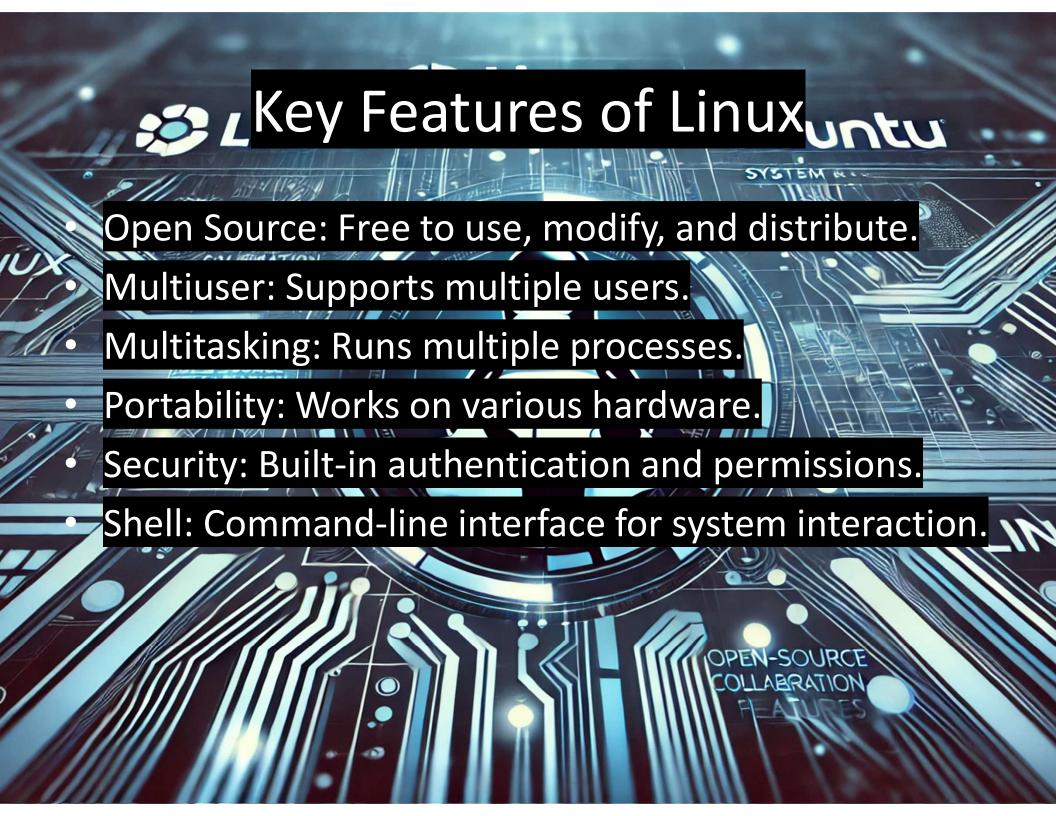
Used in servers, embedded systems, and Dark-themed

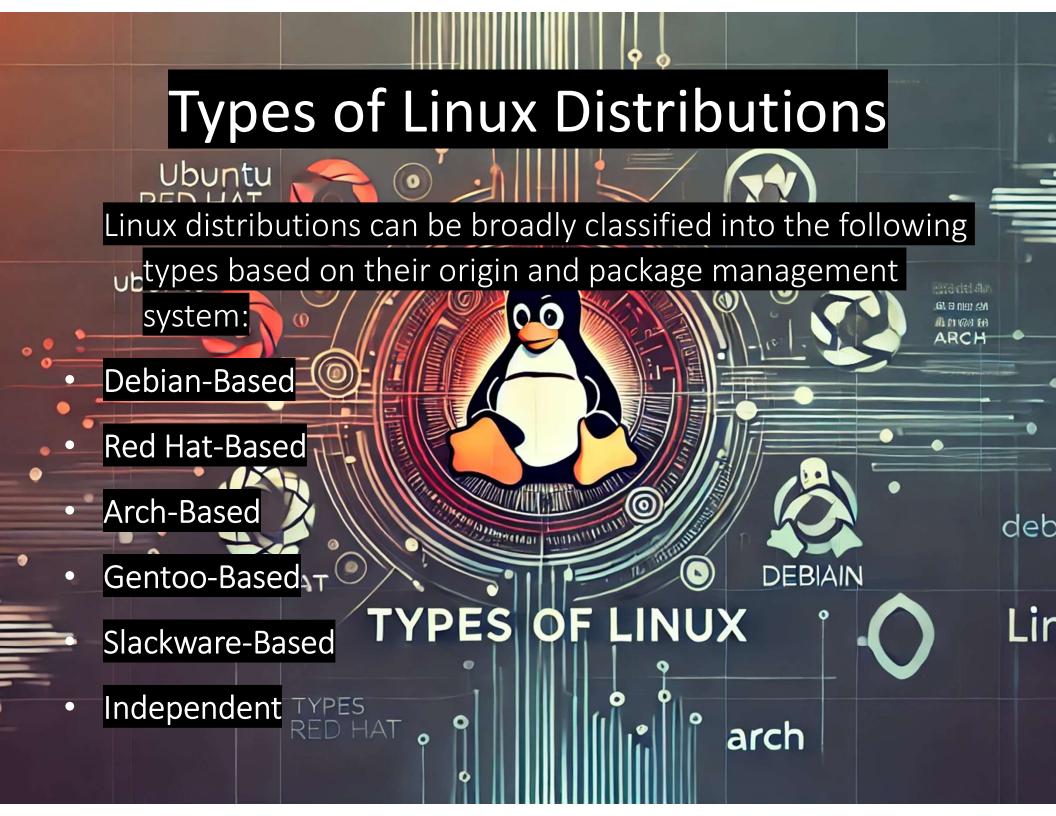
desktops...

WHAT IS LINUX

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Known for stability, security, and flexibility.





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Туре	Popular Distros	Package Manager	Target Audience
Debian	Ubuntu, Mint, Kali, MX Linux	apt, dpkg	Desktop, Server, Security
Red Hat	RHEL, CentOS, Fedora, Rocky	yum, dnf, rpm	Enterprise, Servers
Arch	Arch, Manjaro, EndeavourOS	pacman	Advanced users, Customization
Gentoo	Gentoo, Calculate, Sabayon	emerge	Power users, Custom builds
Slackware	Slackware, Salix, Zenwalk	slackpkg	Minimalist, Unix-like
Independent	Alpine, Clear, Solus, NixOS	Varies	Various specialized use cases

Linux Directory Structure

/	Root directory. All files and directories start here.
/ b i n	Essential binaries and commands.
/boot	Boot loader files.
/ d e v	Device files (e.g., disk drives, USB).
/ e t c	Configuration files and scripts.
/ h o m e	User home directories.
/lib	Shared libraries and kernel modules.
/ m n t	Temporary mount point for filesystems.
/opt	Optional software packages.
/proc	Kernel and process files.
/root	Home directory of the root user.
/ s b i n	System administration binaries.
/ t m p	Temporary files.
/ u s r	User-related programs and data.
/ v a r	Variable data files (e.g., logs, cache).



