


# Linux vs FreeBSD



## Linux vs. FreeBSD



Feature	Linux	FreeBSD
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First Release	1991	1993
UNIX Heritage	UNIX-like OS	UNIX-based OS
Kernel	Monolithic kernel with modules	
Kernel License	GPL	BSD
Init System	Systemd, SysVinit, OpenRC, runit	rc.d scripts
Package Management	APT, YUM/DNF, Pacman, Zypper, Portage, Snap, Flatpak	Ports Collection and pkg
Userland	GNU Core Utilities	BSD Core Utilities
Default Shell	Bourne Again Shell (bash)	Bourne Shell (sh)
Default Filesystem	EXT4, XFS, Btrfs	UFS, ZFS
Security	SELinux, AppArmor, namespaces, cgroups	Jails, MAC, Capsicum
Documentation	Distro-dependent, community-driven documentation	Extensive and coherent official documentation
Use Cases	Server, desktop, embedded system, enterprise, cloud	Server, networking, NAS, firewall, embedded system

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