

Common Terms Used When Working With LAMP on AlmaLinux

Term	What it means	Example
LAMP	Linux + Apache + MariaDB + PHP	Complete web stack
AlmaLinux	Linux operating system used as the server platform	AlmaLinux 9/10
Apache	Web server that delivers websites	httpd
HTTPD	AlmaLinux package/service name for Apache	httpd.service
MariaDB	Relational database server	mariadb.service
PHP	Server-side scripting language	php -v
PHP-FPM	PHP process manager commonly used with Apache	php-fpm
DNF	AlmaLinux package-management command	sudo dnf install php
RPM	Linux package format/package-management technology	.rpm
Repository	Source from which software packages are downloaded	AlmaLinux repositories
Package	Installable software component	httpd, mariadb-server
Systemd	System and service manager	systemctl
Service	Background program managed by systemd	Apache, MariaDB
Daemon	Background process that provides a service	httpd
SSH	Secure method for remotely accessing the server	ssh user@server
Root	Linux's highest-privilege account	root

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sudo	Runs a command with elevated privileges	sudo dnf update
SELinux	Security system enforcing access policies	getenforce
Firewall	Controls network traffic entering/leaving the server	firewalld
firewalld	AlmaLinux firewall management service	firewall-cmd
Port	Network endpoint used by a service	80, 443, 22
HTTP	Protocol used for web traffic	Port 80
HTTPS	Encrypted HTTP	Port 443
DNS	Converts domain names into IP addresses	example.com
IP Address	Network address of the server	192.168.1.10
Document Root	Directory containing website files	/var/www/html
Virtual Host	Apache configuration for a particular website/domain	example.com
Configuration File	File controlling software behavior	/etc/httpd/conf/httpd.conf
Web Root	Directory from which web files are served	/var/www/html
Log File	Records server activity and errors	Apache access/error logs
Permissions	Controls who can read/write/execute files	chmod, chown
Owner	User who owns a file/directory	chown user file
Group	Linux group associated with a file	chgrp
chmod	Changes file permissions	chmod 644 index.php
chown	Changes file ownership	chown user:group file

Term	What it means	Example
MariaDB Database	Collection of related data	website_db
Database User	Account used to access a database	website_user
SQL	Language used to work with relational databases	SELECT * FROM users;
Table	Structured collection of database records	users
Query	Request sent to a database	SELECT * FROM users;
PHP Extension	Adds functionality to PHP	php-mysqlnd
Composer	Dependency manager for PHP	composer install
Document Root	Apache's starting directory for website files	/var/www/html
VirtualHost	Maps a domain to website files/configuration	<VirtualHost *:80>
SSL/TLS	Technology used to encrypt HTTPS connections	TLS certificate
Let's Encrypt	Certificate authority providing free TLS certificates	HTTPS setup
Cron	Scheduler for recurring Linux tasks	crontab -e
Bash	Common Linux command-line shell	#!/bin/bash
Shell Command	Instruction executed in the terminal	systemctl restart httpd