

How to Install Apache on AlmaLinux

Step 1: First of all, Make System Updates

You're always advised to update your system to make sure you have the most recent software updates. And security patches before installing any new applications. With the following command into an open terminal or SSH session on your AlmaLinux server:

```
> $ sudo dnf update
```

Depending on the number of updates available and the speed of your internet connection, this procedure could take several minutes.

Step 2: Install Apache on AlmaLinux after Updating System

You can install Apache on the AlmaLinux web server after the system update is finished. Because AlmaLinux makes use of the DNF package manager, installation is simple. Run the following command in the terminal:

```
> $ sudo dnf install httpd
```

When asked, type "y" to confirm the installation, then wait for it to be finished. On your computer, Apache and its dependencies will be downloaded and installed.

Step 3: Launch and Activate Apache

Once the installation is finished, you must launch the Apache service. Set it up to launch when the system boots up and Execute the next commands:

```
> $ sudo systemctl start httpd  
> $ sudo systemctl enable httpd
```

With these commands, the Apache on AlmaLinux service will be launched and set up to run automatically at boot. By using a web browser to access your server's IP address, you can check if Apache is currently operating. If everything is operating as it should, the standard Apache test page should be displayed to you.

Step 4: Set Up Your Firewall

AlmaLinux 9.1 ships with the firewalld service enabled by default. To access your Apache web server, the firewall must permit HTTP traffic. Execute the below command to allow HTTP traffic:

```
> $ sudo firewall-cmd --add-service=http --permanent  
> $ sudo firewall-cmd --reload
```

With these commands, port 80 will remain available for HTTP traffic, and the modifications will hold even after the system reboots.

Step 5: Hosting a Website on Apache

Once Apache is installed and running, you can host your website by placing your website files in the default web directory. On AlmaLinux, the default web directory for Apache is `/var/www/html`.

1. Navigate to the web directory:

```
> $ cd /var/www/html
```

2. Copy or create your website files in this directory. For example, you can create a simple HTML file:

```
> $ sudo nano index.html
```

3. check your ip

```
> $ hostname -I
```

4. Open your web browser and search your ip check your Output