

Placement Empowerment Program

*Cloud Computing and DevOps Centre*

Host a Static Website on a Cloud VMInstall

Apache/Nginx on your cloud VM and host a simple HTML website.

Name: Gokul Bharathi P Department : ADS



Introduction

Hosting a static website on a cloud virtual machine is a fundamental step in understanding web server setup and deployment. This task demonstrates how to install a web server (Apache or Nginx), transfer HTML files, and serve a static website over the internet.

Objectives

1. Learn how to install and configure a web server (Apache or Nginx) on a cloud VM.
2. Transfer static website files to the VM using SCP.
3. Serve the static website from the cloud VM and access it via a web browser.

Steps

1. Connect to the Cloud VM: o Use the SSH command to access your cloud VM:

ssh <user>@<IP\_address>

* + Replace <user> with the default username for your cloud provider (e.g., ec2-user for AWS or azureuser for Azure) and <IP\_address> with the VM’s public IP address.

1. Install Apache or Nginx: o Update the package list:

sudo apt update

* + Install Apache:

sudo apt install apache2 -y OR Install Nginx:

sudo apt install nginx -y

1. Transfer HTML Files to the VM:
   * Use SCP (Secure Copy Protocol) to transfer HTML files from your local machine to the server:

scp index.html <user>@<IP\_address>:/var/www/html/

1. Configure the Web Server:
   * Start the web server:

sudo systemctl start apache2

OR

sudo systemctl start nginx

* + Verify that the web server is running:

sudo systemctl status apache2

OR

sudo systemctl status nginx

1. Access the Website:
   * Open a web browser and navigate to the public IP address of your VM:

http://<IP\_address>.

* + You should see your static HTML website displayed.

Key Learnings

* Basics of web server installation and configuration.
* Transferring files securely using SCP.
* Hosting and accessing a static website on a cloud-based virtual machine.

References

* AWS EC2 Apache Setup Guide