

**Placement Empowerment Program**

***Cloud Computing and DevOps Centre***

**Use Cloud CLI Tools**

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# Introduction

Cloud Command Line Interface (CLI) tools allow users to interact with cloud services directly from the terminal. These tools provide a more efficient and automated way to manage cloud resources, compared to web-based consoles

# Overview

Cloud CLI tools, such as AWS CLI, Azure CLI, and Google Cloud SDK, enable users to list resources, upload files, and manage virtual machines (VMs) through simple commands. These tools are widely used by system administrators, DevOps engineers, and cloud practitioners for quick and scriptable cloud operations.

**Objectives**

* Understand the importance of Cloud CLI tools.
* Install and configure Cloud CLI on Windows.
* Perform basic cloud operations using CLI commands.

**Step-by-Step Overview**

**Step 1: Install the Cloud CLI**

 **AWS CLI**

* Download the AWS CLI installer for Windows from the official AWS website.
* Run the installer and follow the on-screen instructions.
* Verify installation using: aws –version

**Step 2: Configure the CLI**

1. **AWS CLI**

Open Command Prompt and run: aws configure

* + Enter your AWS Access Key, Secret Key, Region, and Output Format.

**Step 3: Perform Basic Operations**

1. **List Resources**
   * AWS: aws s3 ls (List S3 buckets)
2. **Upload Files to Cloud Storage**
   * AWS: aws s3 cp myfile.txt s3://my-bucket/
3. **Manage Virtual Machines**
   * AWS: aws ec2 start-instances --instance-ids i-xxxxxxxxxxxx

# Outcome

Using Cloud CLI tools on Windows provides a powerful way to manage cloud resources efficiently. By following the steps above, you can install, configure, and execute essential cloud operations. Mastering CLI commands allows for automation, scalability, and faster cloud management, making it an essential skill for cloud professionals.