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OMR, CHENNAI - 119

PLACEMENT EMPOWERMENT PROGRAM

CLOUD COMPUTING AND DEVOPS CENTRE

TASK 15 - Use cloud CLI tools to install the CLI for your cloud provider (azure). Use list resources, upload files to store and manage.

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Introduction

Cloud computing plays a vital role in modern IT infrastructure, offering flexibility, scalability, and cost-efficiency. Microsoft Azure provides a powerful **Command-Line Interface (CLI)** to interact with cloud resources efficiently. Azure CLI enables developers and IT administrators to automate tasks, manage resources, and streamline cloud operations using simple commands.

This document provides a step-by-step guide to installing Azure CLI, listing resources, uploading files to Azure Storage, and managing cloud resources effectively

Objectives

By following this guide, you will learn:

- How to install Azure CLI on different operating systems.
- How to authenticate and interact with Azure.
- How to list and manage Azure resources.
- How to upload and store files in Azure Storage.
- How to perform basic cloud operations using Azure CLI commands.

Azure CLI is a cross-platform command-line tool that allows users to interact with Azure services and automate cloud operations. It provides a set of commands to:

- Deploy and manage virtual machines.
- Configure networking and security policies.
- Handle storage accounts and containers.
- Monitor and scale cloud applications.
- Automate DevOps processes.

Using Azure CLI reduces manual efforts and enhances productivity by enabling scripting and automation for cloud tasks.

Step 1: Install Azure CLI

For Windows

1. Open **PowerShell** as Administrator.
2. Run the following command to install Azure CLI:
3. winget install Microsoft.AzureCLI
4. Verify installation
5. az --version

Step 2: Log in to Azure

1. Open **Terminal/PowerShell**.
2. Run the login
3. az login

Step 3: List Azure Resources

1. To list all resources in your **Azure subscription**, use:
2. az resource list --output table
3. To list resources in a specific **resource group**, use:
4. az resource list --resource-group <rg1> --output table

Step 4: Upload Files to Azure Storage

1. Create a Storage Account

az storage account create --name <storageaccountname> --resource-group <rg1> --location eastus --sku Standard_LRS

2. Create a Storage Container

az storage container create --name <container-name> --account-name <storageaccountname>

Step 5: Manage Azure Resources

1. Delete a Resource

az resource delete --ids <resource-id>

2. Stop a Virtual Machine

az vm stop --resource-group <resource-group-name> --name <vm-name>