Date - 19-01-2025

Why PowerShell?

Scenario: tfvars banane ke tarike

Resource Group

↑

tfvars
name = rg1
location = westus

1. Excel => tfvars == Scripting => PowerShell
2. ChatBot => tfvars

Scenario: Pipeline Notifications

Build → Deploy →

Notification
ek Powershell ki script
fail/pass

if fail?
toh build error ko chatgpt
ko bhjke solution ke
saaath message kregi
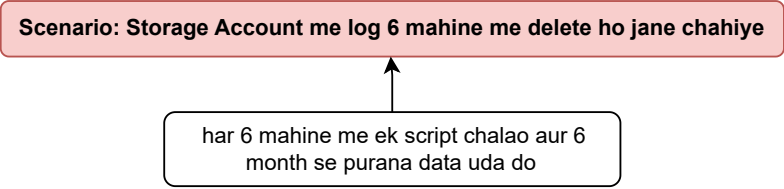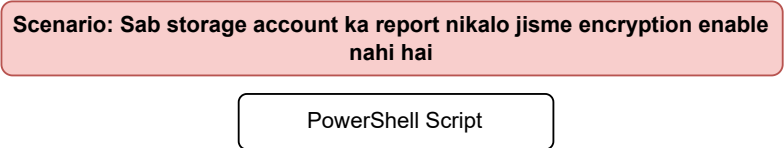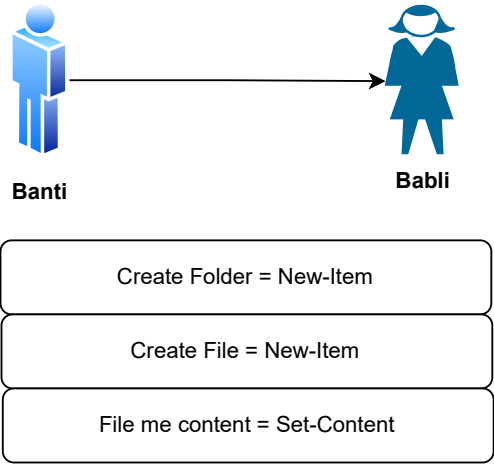
Pipeline fail hui ya success hui? Kaun si stage me fail hui?
Teams ya Slack channel notifcation...

**Scenario: Sab storage account ka report nikalo jisme encryption enable
nahi hai**

PowerShell Script

Scenario: Storage Account me log 6 mahine me delete ho jane chahiye

har 6 mahine me ek script chalao aur 6
month se purana data uda do

Scenario: Regularly State check of vm

Script se vm ka status check karo aur agar kuch dikkat ho toh usko fix kar de...

Agar VM ka utilization 30% utilization hai toh resize karke choti vm bnade...
Paisa bachega..

Scenario: Data migration between two storage account or one storage account
to s3 bucket....

Scenario: Azure DevOps ka agent agar band hai toh apnne aap chalu ho jae...

Scenario: Subscription Onboarding, User onboarding... Access Management...
etc...

Scenario: SQL Database ka Backup and Restore karne ke lie...

Scenario: Based on Tags, Extract Reports

Scenario: Daily health Check? Website Certificate ka management? renewal..
reporting..

Scenario: Azure Work Item, deadline == aaj ka date, us sab bando ko fire
kardo, unka entra id user delete kardo... and send email... you are fired...

Azure DevOps ka custom task banana

New Repo Onboarding in Azure Repos

What is PowerShell?

Syllabus

Create new File	Touch
File Editor	nano
Create Folder	mkdir
Check File Contents	cat
Delete File	rm
Rename and Move Files	mv
Delete Folder	rm -r
Find in files (Ctrl + F)	grep
Find in files (Ctrl + F) Insensitive	grep -i
Screen Clear	clear

Check User	$env:USERNAME
Main kaha hu?	Get-Location
ek folder se dusre folder me jane ke lie	Set-Location
how to create a new folder?	New-Item -Path "C:\Path\To" -Name "NewFolder" -ItemType Directory
How to create a file?	New-Item -Path "C:\Path\To\Your\NewFolder" -Name "LoveLetter.txt" -ItemType File
How to write content in file?	Set-Content -Path "C:\Path\To\Your\NewFolder\LoveLetter.txt" -Value "I love you!"
Copy	Copy-Item -Path "C:\Path\To\Your\NewFolder\LoveLetter.txt" -Destination "C:\Path\To\OtherFolder\LoveLetter.txt"
Move	Move-Item -Path "C:\Path\To\Your\NewFolder\LoveLetter.txt" -Destination "C:\Path\To\OtherFolder\LoveLetter.txt"
Delete File	Remove-Item -Path "C:\Path\To\Your\NewFolder\LoveLetter.txt"
Delete Folder	Remove-Item -Recurse -Path "C:\Path\To\Your\NewFolder\"

PowerShell = Kali Window jispe command chlte hai..

Banti → Babli

Create Folder = New-Item

Create File = New-Item

File me content = Set-Content

Bahut sare powershell ke command ek ke bad ek ke baaad ek ke baad
chalane hai toh usko hum bolte hai PowerShell Script

.ps1

Open PowerShell => ps1 call

Linux

GUI **CLI**

bash **sh**

Windows

GUI **CLI**

cmd **powershell**

Ye sirf Windows pr chalta
hai...

Cross Platform

linux ke upar bhi powershell
dal skate hai...