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## Clean Up Resources

 Delete all created resources (WebVM, webserverlogs, WebVNet, WebServerGroup) using both Azure CLI and PowerShell.

# Practical Task 7: Create and Run an Azure Automation Runbook

### Requirements:

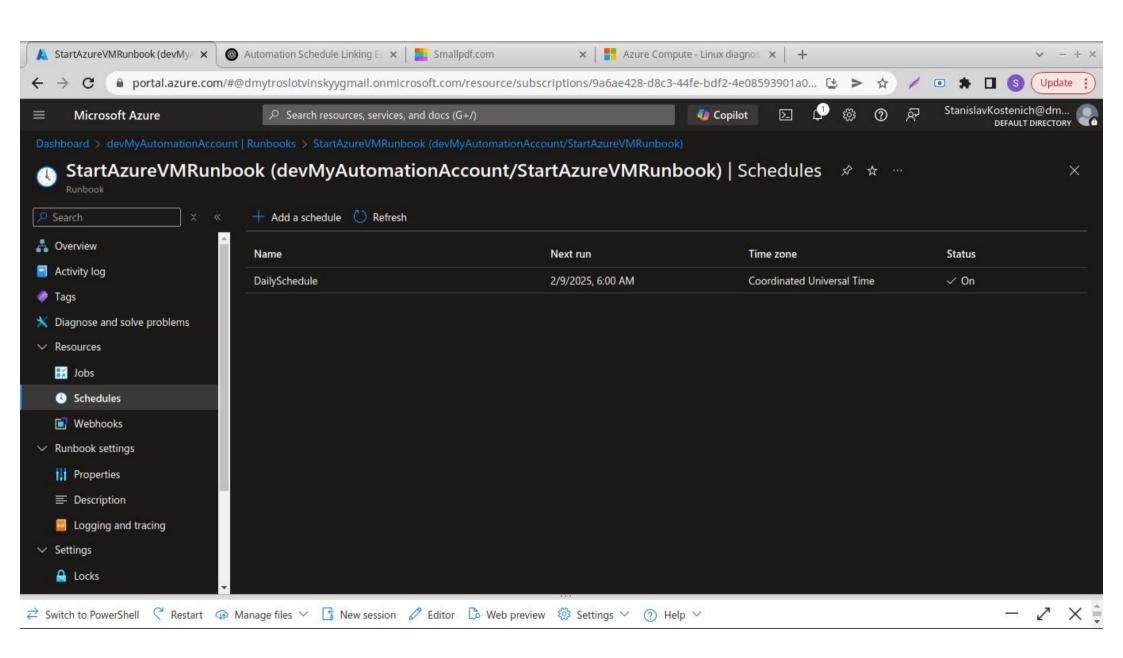
- Create an Azure Automation Account named MyAutomationAccount in the East US region using Azure CLI.
- Create a PowerShell Runbook named StartAzureVMRunbook inside MyAutomationAccount.
- Edit the Runbook to start a specified Azure Virtual Machine when executed.
- · Test the Runbook manually by executing it and verifying that the VM starts.
- Publish the Runbook and set up a schedule to automatically run it every day at 6:00 AM.

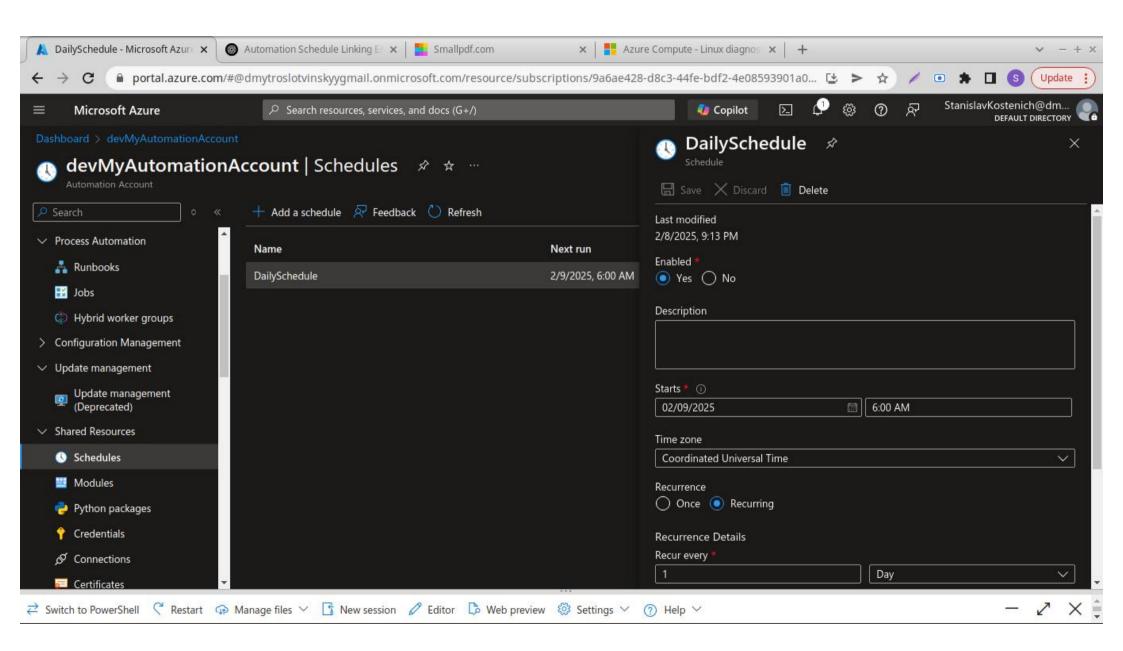
## Practical Task 8: Automate Resource Cleanup Using a PowerShell Runbook

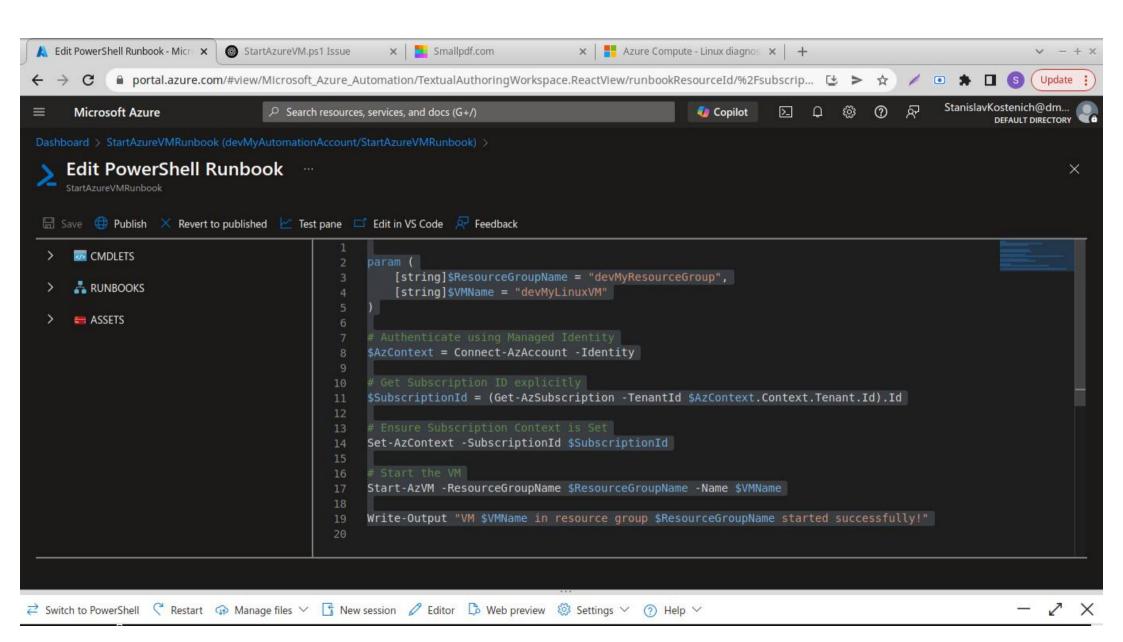
#### Requirements:

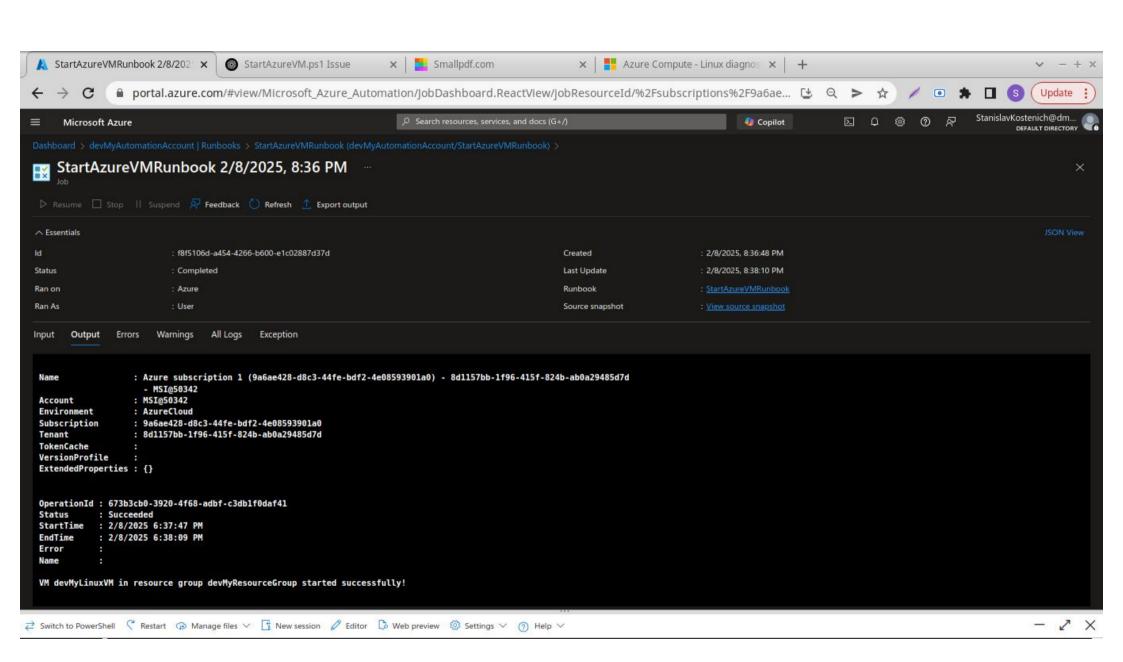
- Create a new Runbook named CleanupOldResources in MyAutomationAccount.
- Write a PowerShell script that:
  - o Lists all resource groups that have not been used in the past 30 days.
  - o Deletes unused resource groups after user confirmation.
    - Test the Runbook in Azure Automation.
    - Publish the Runbook and configure a webhook to trigger it on demand.
    - Call the webhook using Azure CLI and verify the cleanup process.

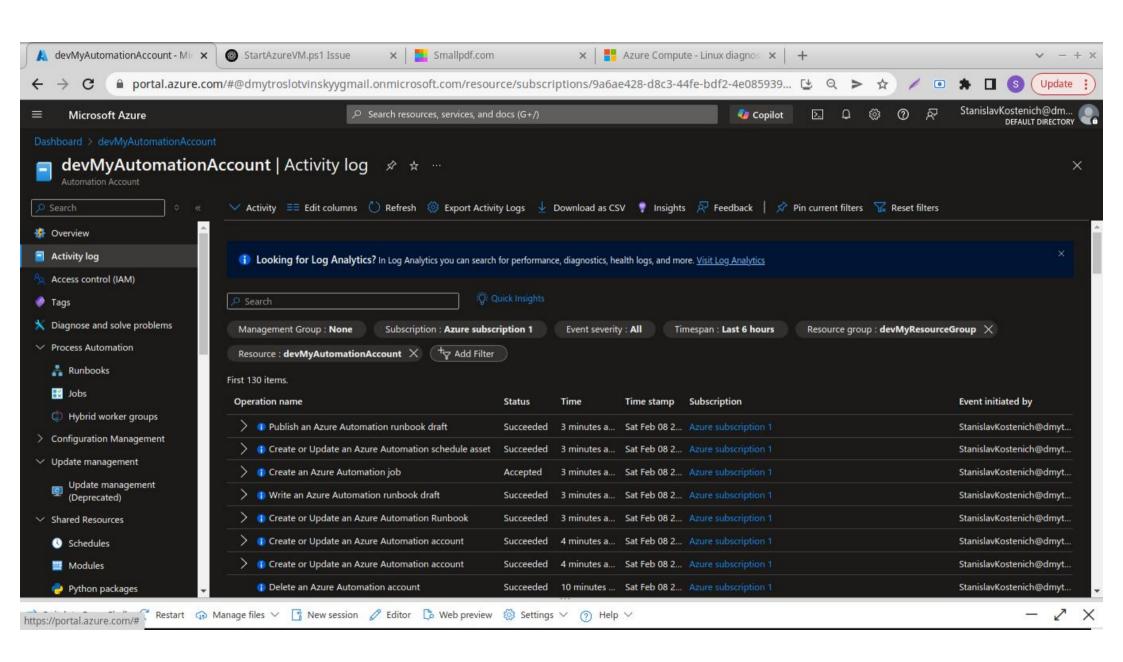
Practical Task 9: Implement Desired State Configuration (DSC) to Enforce VM Settings

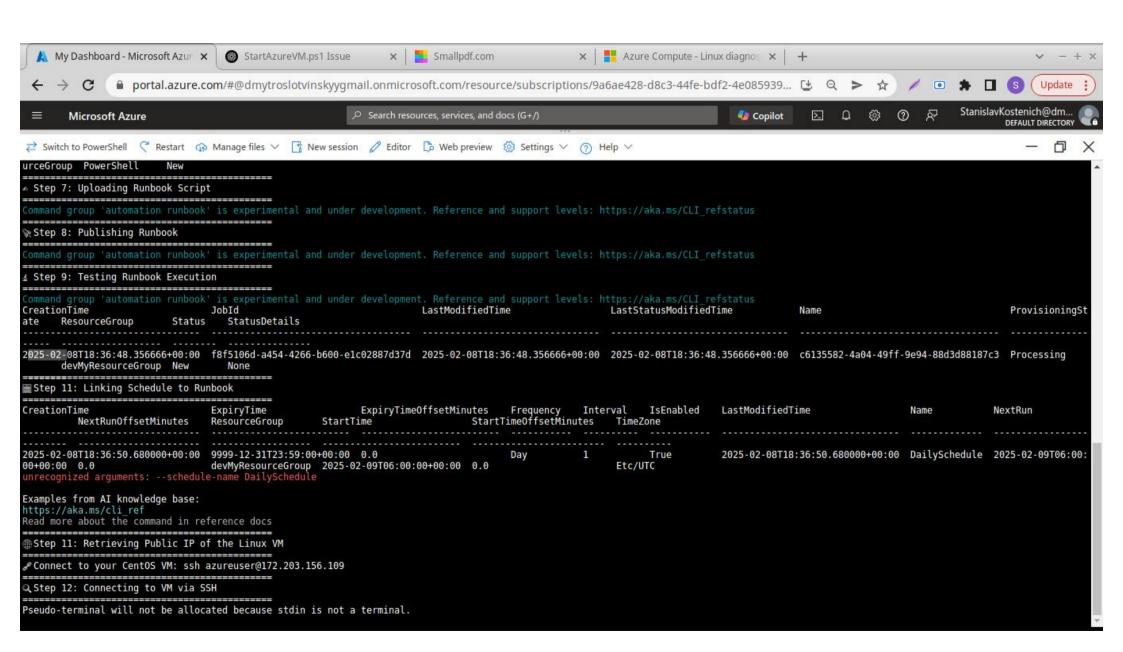


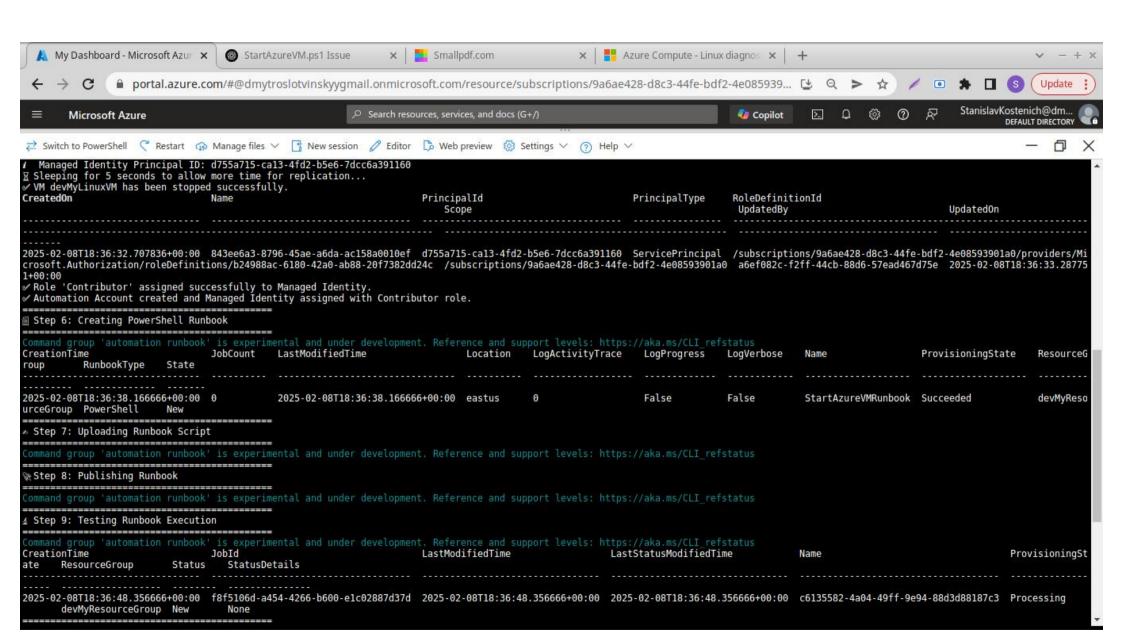


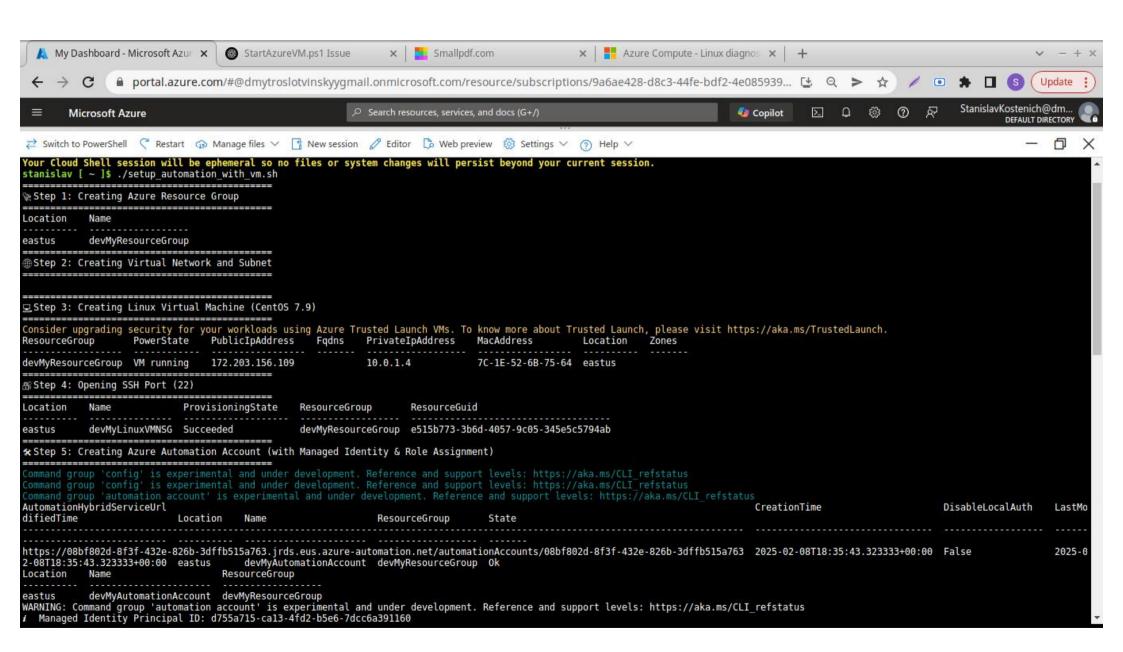












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```
\triangleleft
                                                                                                                setup automation with vm.sh
     #!/bin/bash
    RESOURCE GROUP="devMyResourceGroup"
    AUTOMATION ACCOUNT="devMyAutomationAccount"
    RUNBOOK NAME="StartAzureVMRunbook"
    LOCATION="East US"
    VM NAME="devMyLinuxVM"
    VNET NAME="MyVNet"
    SUBNET NAME="MySubnet"
    VM SIZE="Standard B1s"
    ADMIN USER="azureuser"
    ADMIN PASSWORD="YourSecurePassword123!"
    SCHEDULE NAME="DailySchedule"
    START TIME="2025-02-09T06:00:00Z"
    VM IMAGE="OpenLogic:CentOS:7 9-gen2:latest"
    SUBSCRIPTION ID="9a6ae428-d8c3-44fe-bdf2-4e08593901a0"
    echo "> Step 1: Creating Azure Resource Group"
21
    az group create --name $RESOURCE GROUP --location "$LOCATION" --output table
23
    echo " Step 2: Creating Virtual Network and Subnet"
27
     az network vnet create --resource-group $RESOURCE GROUP --name $VNET NAME --address-prefix 10.0.0.0/16 --subnet-name
29
    echo "모 Step 3: Creating Linux Virtual Machine (CentOS 7.9)"
```

Line 79, Column 24 Tab Size: 4 Bourne Again Shell (bash)