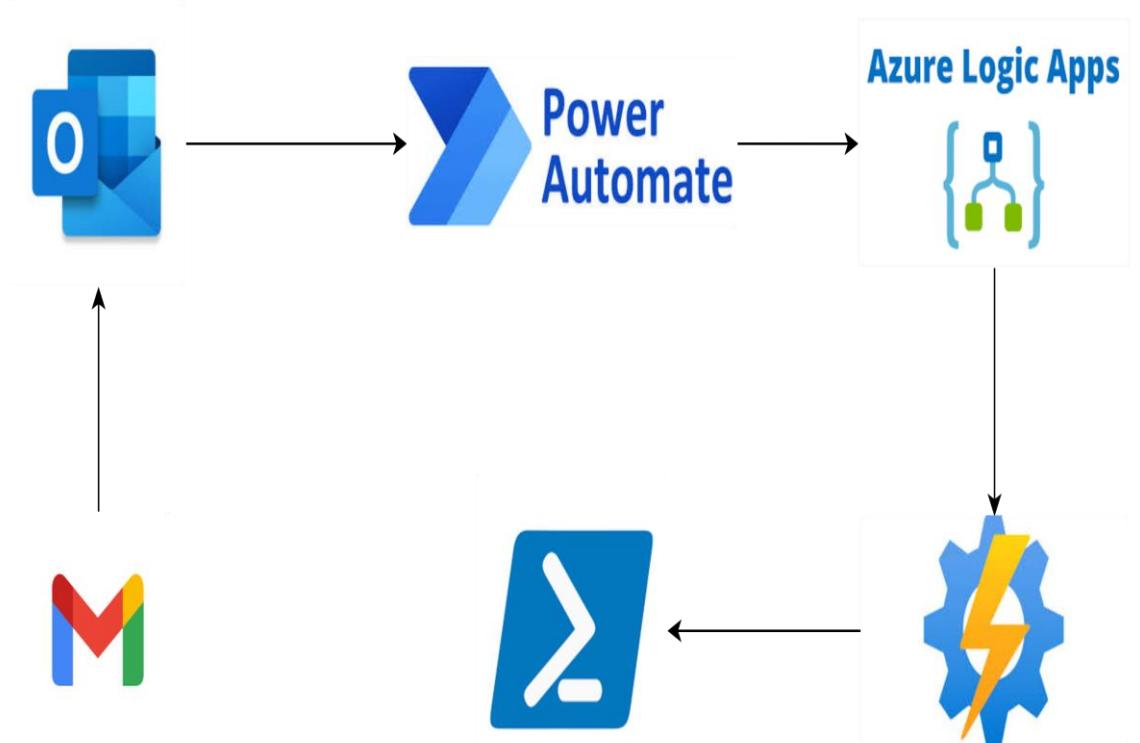


Automated VM Start based on incoming email using Azure Logic Apps, Power Automate, and Azure Automation

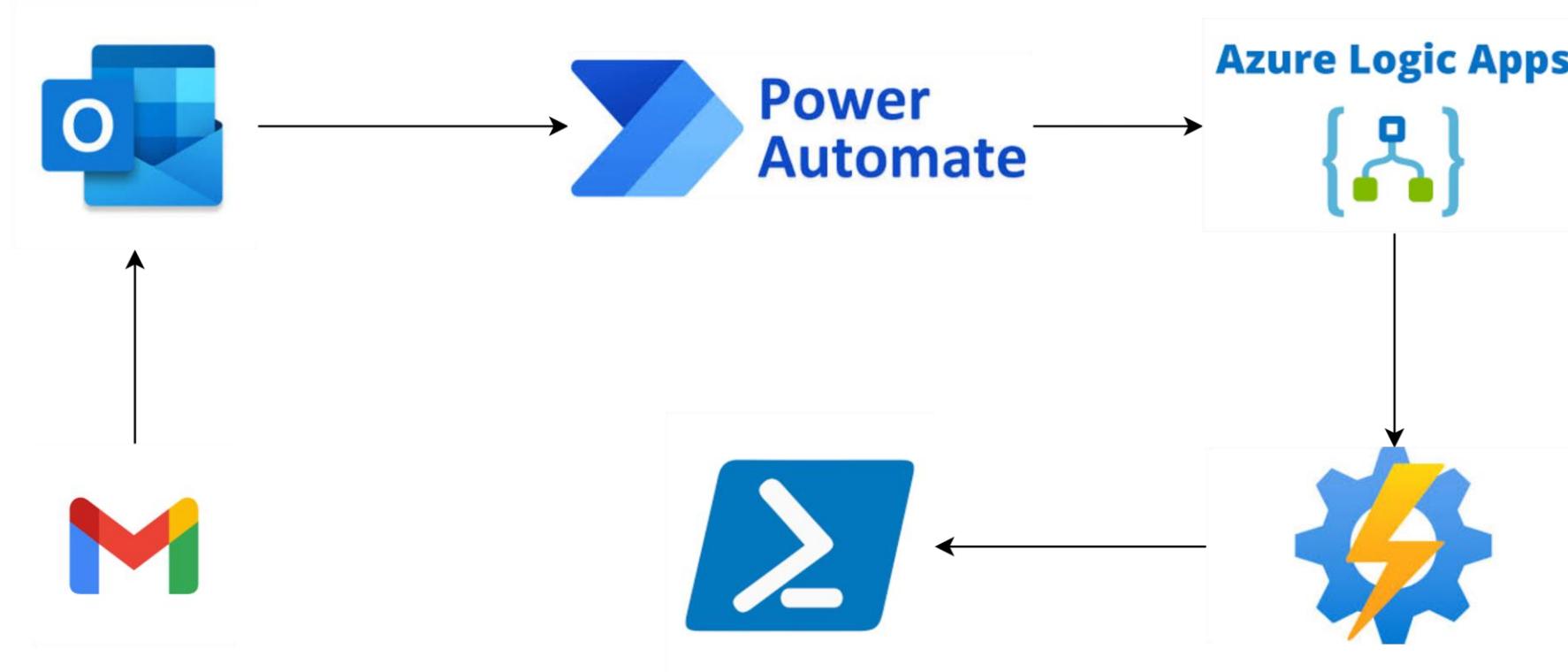
By: Salma Salah



Project Overview

This project automates the process of starting an Azure Virtual Machine (VM) based on the receiving of an email with specific content. The system integrates Power Automate to listen for incoming emails, triggers Azure Logic Apps through an HTTP request, and executes a PowerShell script in Azure Automation to start the VM.

Project Diagram



Project workflow

Part 01

What needs to be done in this part

Need to create an automation account and configure a runbook to execute a powershell script to check the status of virtual machine and then if its stopped will restart it again, the name of this VM and the resource group will be sent to the runbook from logic apps that has a webhook to receive incoming http request from power automate that will be triggered when a new email arrives

Part 02

What needs to be done in this part

So now the progress is that the logic apps will be triggered when receiving an HTTP request and an action will be taken to send the parameters coming from the http request including the vm name and the resource group name to trigger an azure automation account to run a runbook with powershell script this runbook will test the status of given vm and if its stopped will restart it.

Part 03

What needs to be done in this part

Configure power automate to monitor the outlook inbox and when an email is received with mentioned subject it will first convert this html to txt then the email body will be saved in a variable then will parse this email body using expressions to extract VMName and ResourceGroupName then configure an http action to send HTTP request to webhook of logic apps then logic apps will trigger runbook to start VM

Part 01

What needs to be done in this part

Need to create an automation account and configure a runbook to execute a powershell script to check the status of virtual machine and then if its stopped will restart it again, the name of this VM and the resource group will be sent to the runbook from logic apps that has a webhook to receive incoming http request from power automate that will be triggered when a new email arrives

Part 01

I. Create Automation Account

II. Turn-on system assigned managed identity for the automation account

III. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

IV. Create a runbook inside the automation account

V. Develop a powershell script to check the status of the virtual machine given in email if it's stopped will start it

VI. Test the script by entering VMName and Resource group name

1. Create an Automation Account

The screenshot shows the Microsoft Azure portal interface. The browser tabs are labeled "StartVMWebhook - Microsoft A...", "Automation Accounts - Microsc...", and "Salma Salah assignments - Azur...". The address bar shows the URL "portal.azure.com/#browse/Microsoft.Automation%2FAutomationAccounts". The main content area is titled "Automation Accounts" and shows a message: "No automation accounts to display. Streamline your operations with Azure Automation Account, enabling automated processes, configuration management, and efficient orchestration across your Azure resources." Below this message is a blue "Create automation account" button. The top navigation bar includes links for "Gmail", "Console Home | Co...", "Home - Microsoft A...", "DevOpsified |...", "DevOps Beginners t...", "(3004) All About RH...", "DevOps Track - Goo...", "All Bookmarks", and the user's email "salmasalam010@outloo...". The bottom taskbar shows various pinned icons and system status indicators.

1. Create an Automation Account

The screenshot shows a Microsoft Edge browser window with the Azure portal URL: portal.azure.com/#create/Microsoft.AutomationAccount. The title bar has two tabs: "StartVMWebhook - Microsoft A..." and "Create an Automation Account". The main content area is titled "Create an Automation Account".

The "Basics" tab is selected. The "Subscription" dropdown is set to "Azure for Students". The "Resource group" dropdown is set to "Automation" with a "Create new" option below it.

In the "Instance Details" section, the "Automation account name" is "StartVM" and the "Region" is "East US 2".

At the bottom, there are "Review + Create", "Previous", and "Next" buttons. The status bar at the bottom shows system icons and the date/time: 10/27/2024, 5:00 PM.

Automation Account successfully created

The screenshot shows the Microsoft Azure portal interface with the following details:

- Tab Bar:** StartVMWebhook - Microsoft A, StartVM - Microsoft Azure.
- Address Bar:** portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGr...
- Header:** Microsoft Azure, Search resources, services, and docs (G+), Copilot, various icons, salmasalam010@outlook.com, DEFAULT DIRECTORY (SALMASAL...).
- Breadcrumbs:** Home > Microsoft.AutomationAccount | Overview >
- Page Title:** StartVM Automation Account
- Left Sidebar:** Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Process Automation (Runbooks, Jobs, Hybrid worker groups), Configuration Management (Inventory (Deprecated), Change tracking (Deprecated), State configuration (DSC)).
- Top Action Bar:** Try Runtime Environment Experience, Delete, Move, Explore in VS Code, Give feedback, Refresh.
- Essentials Section:**
 - Control your job execution environment, manage Packages easily and update the Runtime version of your runbooks using Runtime environment (public preview). [Learn more](#).
 - Resource group ([move](#)) : [Automation](#)
 - Location : East US 2
 - Subscription ID : cfe9be26-2221-4a04-a293-e5545b127bb2
 - Status : Active
 - Subscription ([move](#)) : [Azure for Students](#)
 - Last modified : 10/27/2024, 2:01:22 PM
 - Tags ([edit](#)) : Add tags
- Get started:** Monitoring, What's new, Tutorials.
- Callout:** Simplify Azure Resource Management and In-guest management of Azure Virtual Machines and Off-Azure Machines with Process Automation.
- Description:** Automate frequent, repeatable, time-consuming, and error-prone cloud & in-guest management tasks, allowing you to focus on work which adds business value. By reducing errors, you deliver efficiency and lower your operational costs. [Learn more](#).
- Bottom Bar:** 29°C, Search, Taskbar icons (File Explorer, Task View, File, Task Manager, Microsoft Edge, Google Chrome, Paint 3D, Microsoft Store, Microsoft Defender), system icons (Battery, Network, Volume, Notifications), 5:01 PM, 10/27/2024.

2. Turn-on system assigned managed identity for the automation account

The screenshot shows the Microsoft Azure portal interface. The title bar indicates the current page is 'StartVM - Microsoft Azure'. The address bar shows the URL: 'portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGr...'. The top navigation bar includes links for 'Gmail', 'Console Home | Co...', 'Home - Microsoft A...', 'DevOpsified |...', 'DevOps Beginners t...', 'All About RH...', 'DevOps Track - Goo...', and 'All Bookmarks'. The user's email 'salmasalam010@outloo...' and 'DEFAULT DIRECTORY' are also visible.

The main content area displays the 'StartVM | Identity' settings for an Automation Account. The left sidebar shows a navigation tree with 'Account Settings' expanded, showing 'Properties', 'Networking', 'Keys', 'Pricing', 'Source control', and 'Identity' selected. Other collapsed sections include 'Run as accounts (retired)', 'Settings', 'Monitoring', and 'Alerts'. The right pane is titled 'System assigned' and describes it as being restricted to one per resource and tied to the lifecycle of the resource, using Azure role-based access control (RBAC) for authentication with Microsoft Entra ID. It shows the 'Status' as 'On', the 'Object (principal) ID' as '6011eb92-489d-4825-9ee3-5c787df732ad', and the 'Permissions' as 'Azure role assignments'. A note at the bottom states: 'This resource is registered with Microsoft Entra ID. The managed identity can be configured to allow access to other resources. Be careful when making changes to the access settings for the managed identity because it can result in failures.' A 'Learn more' link is provided.

At the bottom of the screen, the taskbar shows various pinned icons, including a red notification icon for 'IRON' (with the value '4,99-'), a search bar, and several application icons like File Explorer, Microsoft Edge, and Google Chrome. The system tray shows the date and time as '10/29/2024 5:15 PM'.

Automatio-VM - Microsoft Azure

portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGr...

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo... All Bookmarks

Microsoft Azure Search resources, services, and docs (G+) Copilot

salmasalam010@outloo... DEFAULT DIRECTORY (SALMASAL...)

Home > Virtual machines >

Automatio-VM

Virtual machine

Search

Connect Start Restart Stop Hibernate Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Connect Networking Network settings Load balancing Application security groups Network manager

Essentials

Resource group (move) : Automation
Status : Stopped (deallocated)
Location : East US
Subscription (move) : Azure for Students
Subscription ID : cfe9be26-2221-4a04-a293-e5545b127bb2

Operating system : Linux
Size : Standard DS1 v2 (1 vcpu, 3.5 GiB memory)
Public IP address : 52.186.24.224
Virtual network/subnet : Automatio-VM-vnet/default
DNS name : Not configured
Health state : -
Time created : 10/27/2024, 1:45 AM UTC

Tags (edit) : Add tags

Properties Monitoring Capabilities (7) Recommendations Tutorials

Virtual machine Computer name : Automatio-VM
Operating system : Linux

Networking Public IP address : 52.186.24.224 (Network interface automatio-vm213)
Public IP address (IPv6) : -

27°C شمشاد 1 Search

5:16 PM 10/29/2024

3. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

The screenshot shows the Microsoft Azure portal interface. The browser title bar reads "Automatio-VM - Microsoft Azure". The address bar shows the URL "portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGr...". The top navigation bar includes links for Gmail, Console Home, Home, DevOpsified, DevOps Beginners, All About RH..., DevOps Track, and All Bookmarks. The user profile at the top right shows "salmasalam010@outlook.com" and "DEFAULT DIRECTORY (SALMASAL...)".

The main content area is titled "Automatio-VM | Access control (IAM)". The left sidebar menu is expanded, showing options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect (with sub-options Connect and Bastion), Networking (with sub-options Network settings, Load balancing, Application security groups, and Network manager), and Grant access to this resource.

The "Check access" tab is selected. Under "My access", there is a "View my access" button. Below it, there is a "Check access" section with a "Check access" button. The page also features three cards: "Grant access to this resource" (with a "Learn more" link), "View access to this resource" (with a "Learn more" link), and "View deny assignments" (with a "Learn more" link).

At the bottom of the screen, the taskbar shows the Windows Start button, a search bar, pinned icons for File Explorer, Microsoft Edge, and other apps, and system status icons for battery, signal, and volume. The date and time are shown as "10/29/2024 5:17 PM".

3. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

The screenshot shows the Microsoft Azure portal interface for managing the IAM role assignments of a virtual machine named 'Automatio-VM'. The left sidebar navigation includes 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Connect' (with 'Connect' and 'Bastion' options), 'Networking' (with 'Network settings', 'Load balancing', 'Application security groups', and 'Network manager'), and a weather widget at the bottom.

The main content area displays the 'Access control (IAM)' page for 'Automatio-VM'. The top navigation bar includes 'Add role assignment', 'Download role assignments', 'Edit columns', 'Refresh', 'Delete', and 'Feedback' buttons. The 'Role assignments' tab is selected, showing 4 privileged role assignments. A summary table indicates 3 users and 1 unknown entity assigned to the 'Privileged' role.

Name	Type	Role	Scope	Condition
Salma Salah salmasalam010_outlook....	User	Owner	Subscription (Inherited)	None

The bottom status bar shows the date and time as '10/29/2024 5:18 PM'.

3. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

The screenshot shows the Microsoft Azure portal interface. The title bar reads "Add role assignment - Microsoft Azure". The address bar shows the URL "portal.azure.com/#view/Microsoft_Azure_AD/AddRoleAssignmentsLandingBlade/scope/%2Fsubscriptions%2Fcfcf9be26-2221-4a04-a293-e55...". The top navigation bar includes links for Gmail, Console Home, Home, DevOpsified, DevOps Beginners, All About RH, DevOps Track, and All Bookmarks. The user "salmasalam010@outlook.com" is logged in.

The main content area is titled "Add role assignment" and shows the "Members" tab selected. It displays a warning: "A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles." Below this, under "Job function roles", the "Privileged administrator roles" section is selected. A note says "Grant privileged administrator access, such as the ability to assign roles to other users." A warning icon indicates "Can a job function role with less access be used instead?"

A search bar at the top of the list table allows searching by role name, description, permission, or ID. The table lists the following roles:

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Owner	Grants full access to manage all resources, including the ability to assign roles in Azure RBAC.	BuiltInRole	General	View
Contributor	Grants full access to manage all resources, but does not allow you to assign roles in Azure RBAC, manage ass...	BuiltInRole	General	View
Role Based Access Control Administrator	Manage access to Azure resources by assigning roles using Azure RBAC. This role does not allow you to man...	BuiltInRole	None	View
User Access Administrator	Lets you manage user access to Azure resources.	BuiltInRole	General	View

At the bottom, there are buttons for "Review + assign", "Previous", "Next", and "Feedback". The system tray at the bottom shows the date and time as "5:18 PM 10/29/2024".

3. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

The screenshot shows the Microsoft Azure portal interface. The main page is titled "Add role assignment" under "Virtual machines > Automation-VM | Access control (IAM)". The "Members" tab is selected, showing a "Selected role" of "Contributor". The "Assign access to" section has "Managed identity" selected. Below, there is a table for "Members" with a "Select members" button. The "Description" field is optional. At the bottom, there are "Review + assign", "Previous", and "Next" buttons, along with "Select" and "Close" buttons for the modal.

Select managed identities

Subscription * Azure for Students

Managed identity Select

Search by resource type

System-assigned managed identity

All system-assigned managed identities (1)
Automation Account (1)

Selected members:
No members selected. Search for and add one or more members you want to assign to the role for this resource.

Learn more about RBAC

Feedback

27°C 5:19 PM 10/29/2024

3. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

The screenshot shows the Microsoft Azure portal interface. The main page is titled "Add role assignment" under "Virtual machines > Automation-VM | Access control (IAM)". The "Members" tab is selected, showing a "Selected role" of "Contributor". The "Assign access to" section has "Managed identity" selected. Below, there is a table for "Members" with a "Select members" button. The "Description" field is optional. At the bottom are "Review + assign", "Previous", and "Next" buttons.

A modal window titled "Select managed identities" is open. It displays a warning message: "Some results might be hidden due to your ABAC condition." It includes fields for "Subscription" (set to "Azure for Students") and "Managed identity" (set to "Automation Account (1)"). A search bar for "Select" is also present. On the right, a list of "Selected members" shows "StartVM" with a delete link. At the bottom of the modal are "Select" and "Close" buttons, along with a "Feedback" link.

The taskbar at the bottom of the screen shows various pinned icons, including a weather widget (27°C), a search bar, and several Microsoft applications like File Explorer, Edge, and Power BI.

3. Give this identity a contributor role on the virtual machine scope to be able to turn it on if it's stopped

The screenshot shows the 'Add role assignment' blade in the Microsoft Azure portal. The 'Members' tab is selected. The 'Selected role' is set to 'Contributor'. The 'Assign access to' section has 'Managed identity' selected. Under 'Members', there is a table with one row for 'StartVM', which is an Automation Account. A large optional 'Description' field contains the word 'optional'. At the bottom, there are 'Review + assign', 'Previous', and 'Next' buttons, along with a 'Feedback' link.

Add role assignment

Role Members Conditions Review + assign

Selected role Contributor

Assign access to User, group, or service principal Managed identity

Members + Select members

Name	Object ID	Type
StartVM	6011eb92-489d-4825-9ee3-5c787df732...	Automation Account

Description

Review + assign Previous Next Feedback

IRON 1/4,99- Search

5:25 PM 10/29/2024

- The contributor role is successfully assigned to the automation account's managed identity

A screenshot of a web browser displaying the Microsoft Azure portal. The title bar shows two tabs: "Test - Microsoft Azure" and "Azure role assignments - Microsoft Azure". The main content area is titled "Azure role assignments" and shows a table of role assignments for a resource named "Automation-VM". The table has columns for Role, Resource Name, Resource Type, Assigned To, and Condition. One row is visible, showing a "Contributor" role assigned to "StartVM" with no conditions. The browser interface includes a search bar, Copilot button, and various navigation and status icons at the top and bottom.

Role	Resource Name	Resource Type	Assigned To	Condition
Contributor	Automation-VM	Virtual machine	StartVM	None

Subscription *: Azure for Students

If this identity has role assignments that you don't have permission to read, they won't be shown in the list. [Learn more](#)

Role: Contributor
Resource Name: Automation-VM
Resource Type: Virtual machine
Assigned To: StartVM
Condition: None

Bottom status bar: 20°C, Search, Task View, File Explorer, Taskbar icons, Network, Battery, Volume, 1:35 AM, 10/30/2024, Bell icon

4. Create a runbook inside the automation account

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "StartVM - Microsoft Azure". The address bar contains the URL "portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGr...". The page title is "StartVM | Runbooks" under "Automation Account". The left sidebar menu is expanded, showing "Runbooks" selected. The main content area displays a table of runbooks:

Name	Authoring status	Runbook type	Runtime version	Last modified	Tags
AzureAutomationTutorialWi...	Published	PowerShell	5.1	10/27/2024, 5:01 PM	
AzureAutomationTutorialWi...	Published	Graphical PowerShell	5.1	10/27/2024, 5:01 PM	

A warning message at the top states: "⚠️ PowerShell 7.1 and Python 2.7 are no longer supported by their respective parent products PowerShell and Python. It is strongly recommended to update outdated runbooks to latest supported versions using Runtime environment. [Learn more](#)".

4. Create a runbook inside the automation account

StartVMWebhook - Microsoft A x Create a runbook - Microsoft A x +

portal.azure.com/#view/Microsoft_Azure_Automation/CreateRunbookBladeV2/accountResourceId/%2Fsubscriptions%2Fcfe9be26-2221-4a0... ↴ 🔍 ⭐ ↵

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo... All Bookmarks

Microsoft Azure Search resources, services, and docs (G+) Copilot 7 🔍 ⚙️ 🌐

Home > Microsoft.AutomationAccount | Overview > StartVM | Runbooks >

Create a runbook

Basics Tags Review + Create

Name * StartVM

Runbook type * PowerShell

Runtime version * 7.2 (recommended)

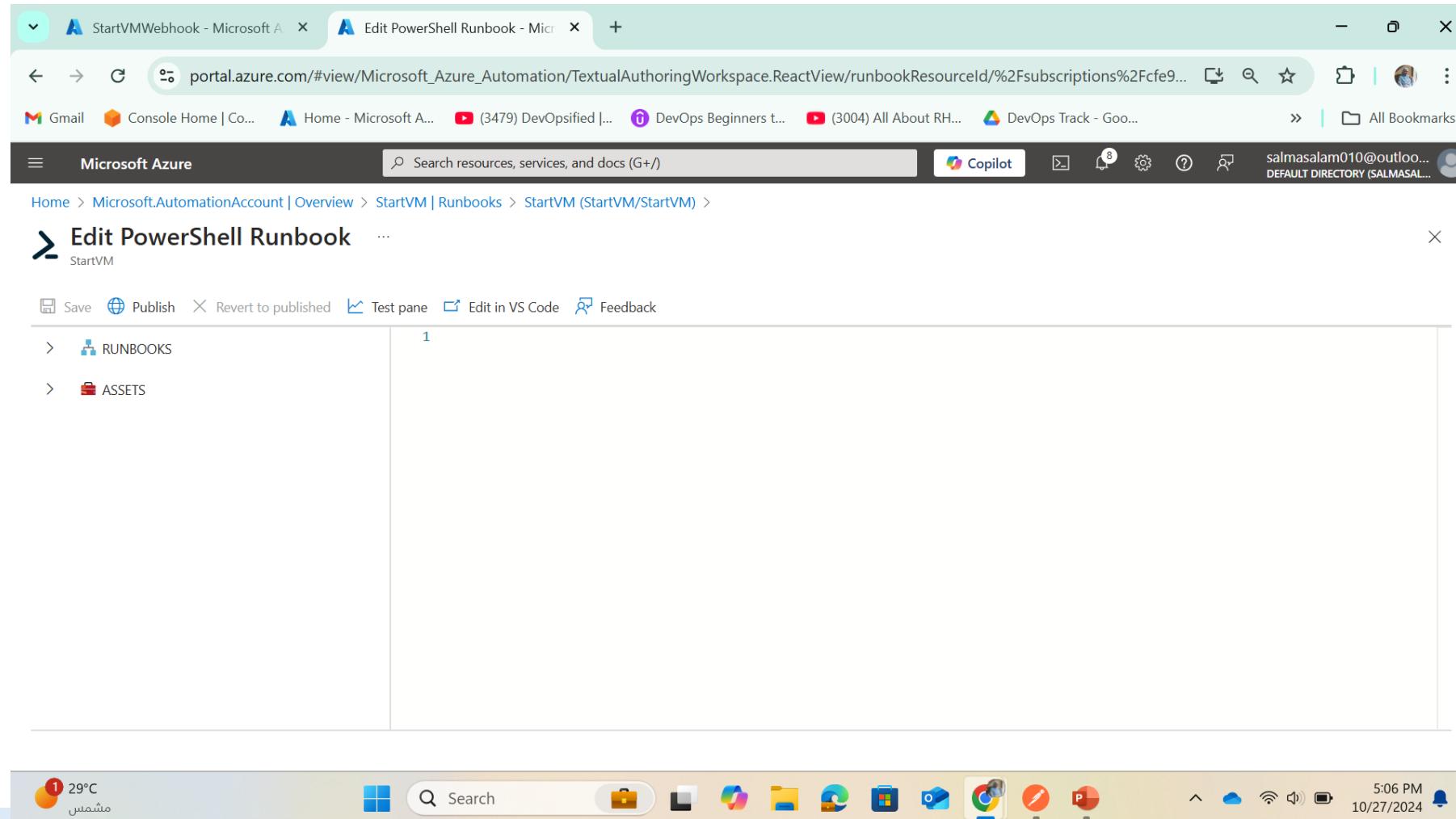
Description

Information During runbook execution, PowerShell modules targeting 7.2 runtime version will be used. Please make sure the required PowerShell modules are present in 7.2 runtime version.

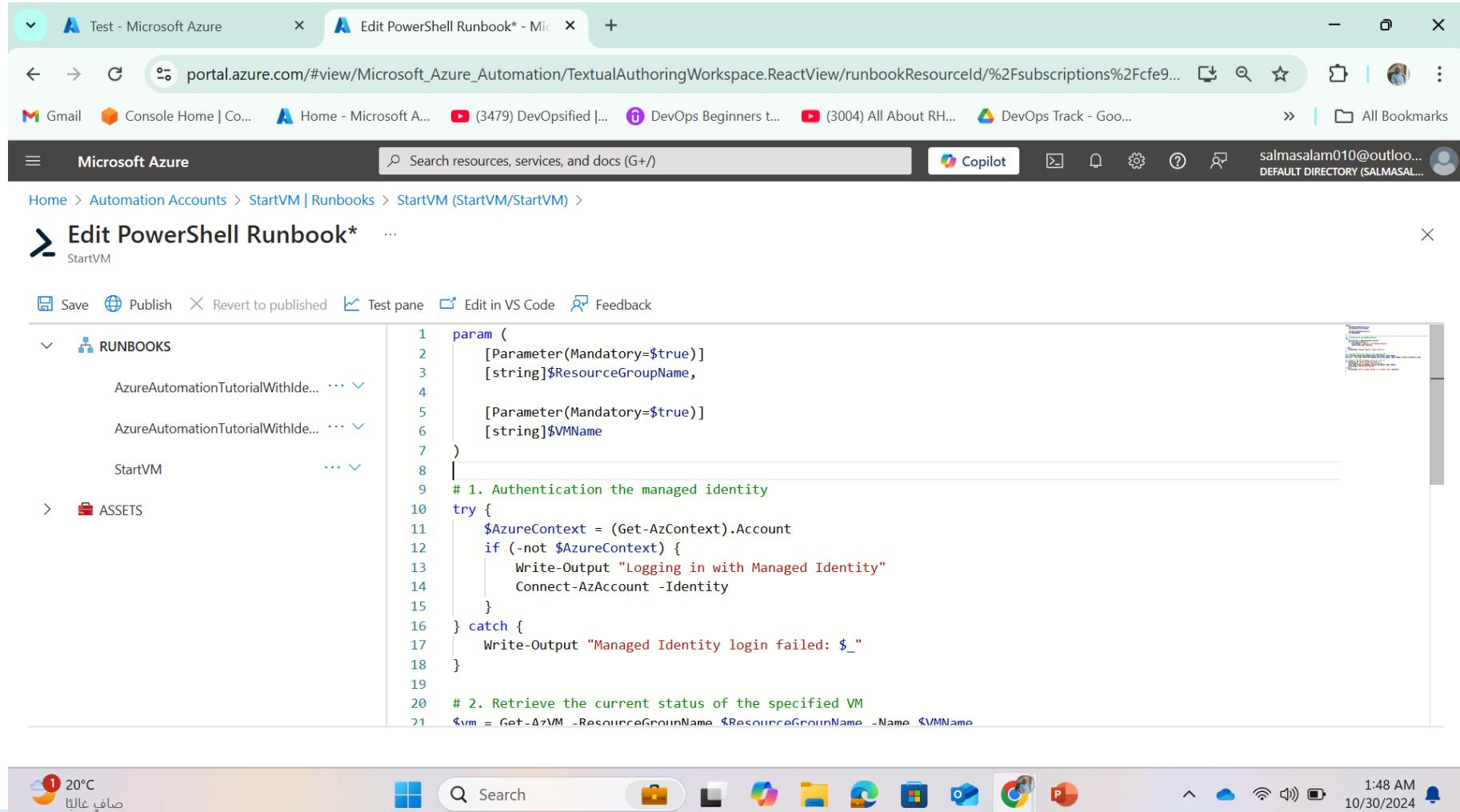
Information Runbook is considered as a draft version until it is published. Before publishing a runbook, it is recommended to test it to ensure it works properly and as intended. When you test a runbook, the draft version is executed and performs the action against resources defined in the runbook. [Learn more](#)

Review + Create Previous Next

5. Develop a powershell script to check the status of the virtual machine given in email if it's stopped will start it



5. Develop a powershell script to check the status of the virtual machine given in email if it's stopped will start it



The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "Edit PowerShell Runbook* - Microsoft Azure". The URL in the address bar is "portal.azure.com/#view/Microsoft_Azure_Automation/TextualAuthoringWorkspace.ReactView/runbookResourceld/%2Fsubscriptions%2Fcfe9...". The main content area is titled "Edit PowerShell Runbook*" and shows the following PowerShell script:

```
param (
    [Parameter(Mandatory=$true)]
    [string]$ResourceGroupName,
    [Parameter(Mandatory=$true)]
    [string]$VMName
)

# 1. Authentication the managed identity
try {
    $AzureContext = (Get-AzContext).Account
    if (-not $AzureContext) {
        Write-Output "Logging in with Managed Identity"
        Connect-AzAccount -Identity
    }
} catch {
    Write-Output "Managed Identity login failed: $_"
}

# 2. Retrieve the current status of the specified VM
$vm = Get-AzVM -ResourceGroupName $ResourceGroupName -Name $VMName
```

The left sidebar shows a navigation tree under "RUNBOOKS" with items like "AzureAutomationTutorialWithde...", "AzureAutomationTutorialWithde...", and "StartVM". There is also an "ASSETS" section.

The bottom of the screen shows the Windows taskbar with various icons and the system tray indicating the date and time as "10/30/2024 1:48 AM".

5. Develop a powershell script to check the status of the virtual machine given in email if it's stopped will start it

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes links for Gmail, Console Home, Home - Microsoft Azure, DevOpsified, DevOps Beginners, All About RH, DevOps Track, and All Bookmarks. The user is signed in as salmasalam010@outlook.com.

The main content area displays the 'Edit PowerShell Runbook*' page for a runbook named 'StartVM'. The left sidebar shows a tree view with 'RUNBOOKS' expanded, listing 'AzureAutomationTutorialWithlde...', 'AzureAutomationTutorialWithlde...', and 'StartVM'. Below this is an 'ASSETS' section.

The right pane contains the PowerShell script:

```
14     Connect-AzAccount -Identity
15 }
16 } catch {
17     Write-Output "Managed Identity login failed: $_"
18 }
19 # 2. Retrieve the current status of the specified VM
20 $vm = Get-AzVM -ResourceGroupName $ResourceGroupName -Name $VMName
21 $vmStatus = (Get-AzVM -ResourceGroupName $ResourceGroupName -Name $VMName -Status).Statuses[1].Code
22
23 # 3. Check if the VM is stopped, and if so, start it
24 if ($vmStatus -eq "PowerState/deallocated") {
25     Write-Output "VM is stopped. Starting the VM..."
26     Start-AzVM -ResourceGroupName $ResourceGroupName -Name $VMName
27     Write-Output "VM has been started."
28 } else {
29     Write-Output "VM is already running or in another state: $vmStatus"
30 }
31
32
```

The status bar at the bottom of the browser window shows a temperature of 20°C and the date/time 10/30/2024 1:48 AM.

5. Test the script by entering VMName and Resource group name

The screenshot shows the Microsoft Azure Runbook Test interface. The title bar says "Test - Microsoft Azure". The address bar shows the URL: "portal.azure.com/#view/Microsoft_Azure_Automation/TextualAuthoringWorkspace.ReactView/runbookResourceId/%2Fsubscriptions%2Fcfe9...". The main content area displays a runbook titled "Test" under the "StartVM" runbook. The runbook has the following parameters:

- RESOURCEGROUPNAME ***: A mandatory string parameter with the value "Enter a value".
- VMNAME ***: A mandatory string parameter with the value "Enter a value".

Below the parameters, there is a section titled "Run Settings" with the option "Run on Azure". A tooltip for "Run on Azure" states: "Using a hybrid runbook worker can increase test performance. [Learn more](#)". At the bottom left, there is a note about "Activity-level tracing": "This configuration is available only for graphical runbooks". On the right side of the interface, there is a message: "click 'Start' to begin the test run. Streams will display when the test completes." The status bar at the bottom shows the date and time as "5:32 PM 10/29/2024".

5. Test the script by entering VMName and Resource group name

The screenshot shows the Microsoft Azure portal interface. The browser tabs are titled "Test - Microsoft Azure" and "Automation - Microsoft Azure". The main content area displays a "Runbook Test" configuration for a runbook named "Test".

Runbook Test Configuration:

- StartVM** (Runbook Name)
- Parameters:**
 - RESOURCEGROUPNAME ***: Automation (Mandatory, String)
 - VMNAME ***: Automatio-VM (Mandatory, String)
- Run Settings:** Run on Azure
- Activity-level tracing:** This configuration is available only for graphical runbooks.

Test Run Instructions:

Click 'Start' to begin the test run.
Streams will display when the test completes.

System Status Bar:

الغروب قريبي 6:10

Search bar

Icons for File, Home, Task View, Start, Taskbar View, Task Manager, File Explorer, Edge, Microsoft Store, Google Chrome, and Power User

System icons: Network, Battery, Volume, and Notifications

Timestamp: 5:33 PM

Date: 10/29/2024

- The script successfully running and started the VM

The screenshot shows the Microsoft Azure portal interface, specifically the Automation Accounts section. A runbook named "Test" is being executed. The runbook parameters are set to "Automation" for RESOURCEGROUPNAME and "Automatio-VM" for VMNAME. The runbook settings indicate it runs on Azure. The runbook output window displays the status as "Completed". It shows the log message "Logging in with Managed Identity" and the command "Start-AzureRmVM -ResourceGroupName Automation -VMName Automatio-VM". The context pane shows environment information and the operation details: OperationId: 338a73d1-4498-4708-8197-f9d409bdf26c, Status: Succeeded, StartTime: 10/29/2024 10:43:43 PM, EndTime: 10/29/2024 10:44:34 PM, Error: , Name: , and the final message "VM has been started.". The status bar at the bottom indicates the date and time as 10/30/2024 1:44 AM.

Test - Microsoft Azure Azure for Students - Microsoft /

portal.azure.com/#view/Microsoft_Azure_Automation/TextualAuthoringWorkspace.ReactView/runbookResourceId/%2Fsubscriptions%2Fcfe9... ...

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo...

All Bookmarks

Microsoft Azure Search resources, services, and docs (G+)

Copilot

salmasalam010@outloo...
DEFAULT DIRECTORY

Home > Automation Accounts > StartVM | Runbooks > StartVM (StartVM/StartVM) >

Test ...

Start Stop Suspend Resume View last test Refresh job streams

Parameters

RESOURCEGROUPNAME * ①
Mandatory, String

VMNAME * ①
Mandatory, String

Run Settings

Run on Azure ①

i Using a hybrid runbook worker can increase test performance. [Learn more](#)

Activity-level tracing
This configuration is available only for graphical runbooks

Completed

Logging in with Managed Identity

Environments

Context

[[AzureChinaCloud, AzureChinaCloud], [AzureUSGovernment, AzureUSGovernment], [AzureCloud, AzureCloud]] Microsoft.Azure...

VM is stopped. Starting the VM...

OperationId : 338a73d1-4498-4708-8197-f9d409bdf26c
Status : Succeeded
StartTime : 10/29/2024 10:43:43 PM
EndTime : 10/29/2024 10:44:34 PM
Error :
Name :
VM has been started.

1 20°C صافي غالباً

Search ...

1:44 AM 10/30/2024

- VM Successfully started using the runbook

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has tabs for 'Test - Microsoft Azure' and 'Automatio-VM - Microsoft Azure'. The address bar displays the URL for the Azure portal. The main content area is titled 'Virtual machines' and shows a list of VMs. One VM, 'Automatio-VM', is selected and shown in detail on the right. The 'Overview' section of the details blade is expanded, displaying the following information:

Essentials	Value
Resource group	move Automation
Operating system	Linux (ubuntu 22.04)
Status	Running
Size	Standard DS1 v2 (1 vcpu, 3.5 GiB memory)
Public IP address	52.186.24.224
Virtual network/subnet	Automatio-VM-vnet/default
DNS name	Not configured
Health state	-
Time created	10/27/2024, 1:45 AM UTC

Below the essentials section, there are links for 'Tags (edit)' and 'Add tags'. On the left side of the details blade, there is a sidebar with various navigation links such as 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Connect', 'Networking', 'Network settings', 'Load balancing', 'Application security groups', and 'Network manager'. The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, and other system tools.

Part 02

What needs to be done in this part

So now the progress is that the logic apps will be triggered when receiving an HTTP request and an action will be taken to send the parameters coming from the http request including the vm name and the resource group name to trigger an azure automation account to run a runbook with powershell script this runbook will test the status of given vm and if its stopped will restart it.

Part 02 steps

- I. Create Azure Logic Apps
- II. Add a trigger (When HTTP request is received) so logic apps will be triggered after receiving an HTTP request
- III. Configuring [the JSON schema](#) of incoming Http request that it must have VMName and ResourceGroup Name
- IV.Turn-on system assigned managed identity for the logic apps
- V. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received.
- VI. Give same role on the level of subscription (can skip step 5 as giving role to the subscription would be applied in all the resources within)

Part 02 steps

- VII. Creating a connection using logic apps managed identity created previous step
- VIII. Configuring the job after authentication and choosing the subscription resource group and the automation account that will be triggered
- IX. Configuring parameters (VMName & ResourceGroupName) that are received from webhook when http request arrives
- X. Stop the VM
- XI Use Postman to send an HTTP request to logic apps to check that it will be triggered and the created job will trigger the runbook in the automation account with the parameters taken from the HTTP request to start the target VM in given Resource Group in HTTP request

Part 02 steps

XII. Checking the run history of logic apps after sending the HTTP request from postman and it's successfully running

XIII. Checking the jobs of the automation account after sending the HTTP request from postman and it's successfully running

1. Create Azure Logic Apps

The screenshot shows a Microsoft Edge browser window with the title bar "Create Logic App - Microsoft Azure". The address bar contains the URL "portal.azure.com/#create/Microsoft.LogicApp". The page header includes the Microsoft Azure logo, a search bar, and various navigation links like "Gmail", "Console Home", and "All Bookmarks". The main content area is titled "Create Logic App" and displays a table for selecting a hosting option. The table has two main sections: "Consumption" and "Standard". The "Consumption" section is highlighted with a blue border and contains the "Multi-tenant" plan, which is selected (indicated by a blue radio button). The "Standard" section contains three other plans: "Workflow Service Plan", "App Service Environment V3", and "Hybrid". Below the table, there is a "Select" button. The bottom of the screen shows the Windows taskbar with icons for File Explorer, Task View, and various pinned applications.

Hosting plans	Consumption	Standard		
	Multi-tenant Fully managed and easy to get started.	<input checked="" type="radio"/> Workflow Service Plan Single tenant runtime with in-app connectors and scaling features.	<input type="radio"/> App Service Environment V3 Single tenant runtime with full isolation and scale out feature across App Service plans.	<input type="radio"/> Hybrid Local processing and multi-cloud support with Kubernetes Event-Driven Autoscaling.
Compute	Shared	Dedicated	Dedicated	Customer managed
Networking	Public cloud	VNET Integration	VNET Integration	Local network access
Pricing	Pay-per-operation	Per workflow service plan instance	Per App Service for App Service Environment instance	Per vCPU hour of Kubernetes cluster

Select

IRON %4,99- 2:10 AM 10/30/2024

1. Create Azure Logic Apps

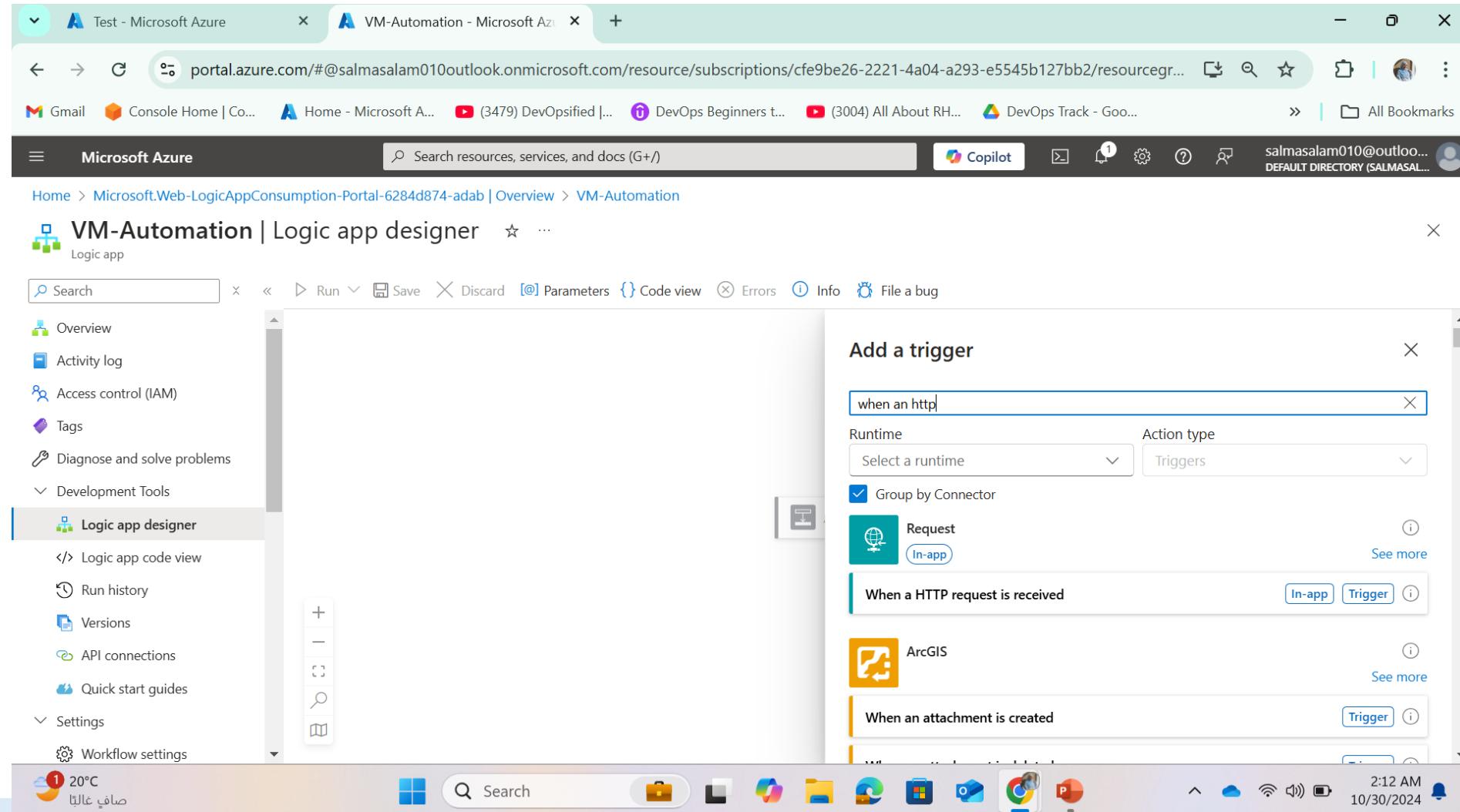
The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** portal.azure.com/#view/WebsitesExtension/WorkflowAppCreateV3Blade/_provisioningContext~/%7B"initialValues"%3A%7B"subscriptionIds"...
- Tab Bar:** Test - Microsoft Azure, Create Logic App (Multi-tenant) (active), +
- Toolbar:** Back, Forward, Refresh, Home, Search, Favorites, Copy, Paste, All Bookmarks.
- Header:** Microsoft Azure, Search resources, services, and docs (G+), Copilot, Notifications, Help, User Profile.
- Breadcrumbs:** Home > Logic apps > Create Logic App
- Title:** Create Logic App (Multi-tenant)
- Content:**
 - Basics Tab:** Selected. Description: "Create a logic app, which lets you group workflows as a logical unit for easier management, deployment and sharing of resources. Workflows let you connect your business-critical apps and services with Azure Logic Apps, automating your workflows without writing a single line of code."
 - Project Details:** Subscription: Azure for Students, Resource Group: Automation (selected), Create new.
 - Instance Details:** Logic App name: VM-Automation, Region: East US.
- Buttons:** Review + create, < Previous, Next : Tags >
- System Tray:** COM1, 1/12, Windows Start button, Search, File Explorer, Task View, Microsoft Edge, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Word, Microsoft Word, 2:11 AM, 10/30/2024, Notifications.

• Logic apps after being created

The screenshot shows the Microsoft Azure Logic Apps portal. The browser tab is titled "VM-Automation - Microsoft Azure". The URL is portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourcegr.... The page title is "VM-Automation" under "Logic app". The left sidebar includes links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (Logic app designer, Logic app code view, Run history, Versions, API connections, Quick start guides), Settings, and Workflow settings. The main content area displays the "Essentials" section with details: Resource group (move) : Automation, Location (move) : East US, Subscription (move) : Azure for Students, Subscription ID : cfe9be26-2221-4a04-a293-e5545b127bb2, Workflow URL : --, Definition : 0 triggers, 0 actions, Status : Enabled, Runs last 24 hours : 0 successful, 0 failed, Integration Account : --. Below this is the "Runs history" tab, which shows a table with columns: Identifier, Status, Start time (Local Time), Duration, and Static Results. A message says "Showing 0 runs". At the bottom, there are buttons for Resubmit, Add, and a search bar: "Specify the run identifier to open monitor view directly". The status bar at the bottom shows the date and time: 10/30/2024 2:11 AM.

2. Add a trigger (When HTTP request is received) so logic apps will be triggered after receiving an HTTP request



3. Configuring the JSON schema of incoming Http request that it must have VMName and ResourceGroup Name

The screenshot shows the Microsoft Azure Logic App designer interface. On the left, the navigation pane is open, showing options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools, and Logic app designer (which is selected). The main workspace displays a logic app named "VM-Automation". A step titled "When a HTTP request is received" is highlighted with a blue border. To the right of this step, the "Request Body JSON Schema" is defined:

```
{
  "type": "object",
  "properties": {
    "ResourceGroupName": {
      "type": "string"
    },
    "VMName": {
      "type": "string"
    }
  },
  "required": ["ResourceGroupName", "VMName"]
}
```

The browser tab bar at the top shows the URL as portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourcegr... . The taskbar at the bottom includes icons for Search, File Explorer, Task View, File, Settings, and other system status indicators.

3. Configuring the JSON schema of incoming Http request that it must have VMName and ResourceGroup Name

The screenshot shows the Microsoft Azure Logic App designer interface. On the left, a sidebar menu is open under the 'Logic app designer' section, listing various options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools, Logic app code view, Run history, Versions, API connections, Quick start guides, Settings, and Workflow settings. The 'Logic app designer' option is currently selected.

In the main workspace, there is a single logic app step named 'When a HTTP request is received'. This step is highlighted with a blue border. To its right, the 'Code view' tab is selected, showing the following JSON schema:

```
1 "type": "Request",
2 "kind": "Http",
3 "inputs": {
4   "schema": {
5     "type": "object",
6     "properties": {
7       "ResourceGroupName": {
8         "type": "string"
9       },
10      "VMName": {
11        "type": "string"
12      }
13    },
14  },
15  "required": [
16    "ResourceGroupName",
17    "VMName"
18  ]
```

The browser address bar at the top shows the URL: portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourcegr...

4. Turn-on system assigned managed identity for the logic apps

The screenshot shows the Microsoft Azure portal interface. The browser tabs are "Test - Microsoft Azure" and "VM-Automation - Microsoft Azure". The address bar shows the URL for the Azure portal. The top navigation bar includes links for "Gmail", "Console Home | Co...", "Home - Microsoft A...", "DevOpsified | ...", "DevOps Beginners t...", "All About RH...", "DevOps Track - Goo...", "All Bookmarks", and the user's email "salmasalam010@outlook.com". The main title is "Microsoft Azure". The search bar says "Search resources, services, and docs (G+ /)". The Copilot button is visible. The user profile shows "salmasalam010@outlook.com" and "DEFAULT DIRECTORY (SALMASAL...)".

VM-Automation | Identity

Logic app

System assigned User assigned

A system assigned managed identity is restricted to one per resource and is tied to the lifecycle of this resource. You can grant permissions to the managed identity by using Azure role-based access control (Azure RBAC). The managed identity is authenticated with Microsoft Entra ID, so you don't have to store any credentials in code.

Save Discard Refresh Got feedback?

Status: On

Object (principal) ID: 439b41d3-3b1a-4ead-9667-076b35263358

Permissions: Azure role assignments

This resource is registered with Microsoft Entra ID. The managed identity can be configured to allow access to other resources. Be careful when making changes to the access settings for the managed identity because it can result in failures. [Learn more](#)

20°C صافي غالباً 10:30 AM 2:21 AM

5. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has two tabs open: "StartVM - Microsoft Azure" and "VM-Automation - Microsoft Azure". The current view is the "VM-Automation - Microsoft Azure" tab, which displays the details of the "StartVM" Automation Account. The account is located in the "Default Directory" under the "Automation Accounts" category. The main content area shows the "Overview" blade for the "StartVM" account. It includes sections for "Essentials" (Resource group: Automation, Subscription ID: cfe9be26-2221-4a04-a293-e5545b127bb2, Location: East US 2, Status: Active), "Get started", and "Monitoring". On the left, there is a sidebar with navigation links: Home, Automation Accounts, Create, Filter for any field..., Name (sorted), StartVM, Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Process Automation (Runbooks, Jobs, Hybrid worker groups), Configuration Management (Inventory (Deprecated), Change tracking (Deprecated)), State configuration, and Simplify Azure Resource Management and In-quest management of Azure Virtual Machines. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray.

5. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "StartVM - Microsoft Azure". The URL in the address bar is portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/StartVM/providers/Microsoft.Automation/automationAccounts/StartVM. The page title is "StartVM | Access control (IAM)". The left sidebar menu includes options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Process Automation (Runbooks, Jobs), and Configuration Management (Inventory, Change tracking, State configuration). The main content area displays the "Check access" section, which allows users to view their level of access to the resource. It includes three cards: "Grant access to this resource", "View access to this resource", and "View deny assignments". The "Add role assignment" button is visible at the bottom of the "Check access" section.

5. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "VM-Automation - Microsoft Azure". The URL in the address bar is "portal.azure.com/#view/Microsoft_Azure_AD/AddRoleAssignmentsLandingBlade/scope/%2Fsubscriptions%2Fcfe9be26-2221-4a04-a293-e55...". The main content area is titled "Add role assignment" and shows the "Members" tab selected. The "Privileged administrator roles" section is active, displaying a list of roles: Owner, Contributor, Role Based Access Control Administrator, and User Access Administrator. The "Owner" role is highlighted. At the bottom, there are "Review + assign", "Previous", and "Next" buttons, along with a "Feedback" link.

Name ↑↓	Description ↑↓	Type ↑↓	Category ↑↓	Details
Owner	Grants full access to manage all resources, including the ability to assign roles in Azure RBAC.	BuiltInRole	General	View
Contributor	Grants full access to manage all resources, but does not allow you to assign roles in Azure RBAC, manage ass...	BuiltInRole	General	View
Role Based Access Control Administrator	Manage access to Azure resources by assigning roles using Azure RBAC. This role does not allow you to man...	BuiltInRole	None	View
User Access Administrator	Lets you manage user access to Azure resources	BuiltInRole	General	View

5. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received

The screenshot shows the Microsoft Azure portal interface. The main window is titled "Add role assignment" under "StartVM | Access control (IAM)". The "Members" tab is selected, showing a "Selected role" of "Contributor" and an "Assign access to" option set to "Managed identity". Below this, there's a table for "Members" with one row: "No members selected". The "Description" field contains the placeholder "Optional". At the bottom, there are "Review + assign", "Previous", and "Next" buttons.

A modal window titled "Select managed identities" is open on the right. It displays a warning message: "Some results might be hidden due to your ABAC condition." It includes a "Subscription" dropdown set to "Azure for Students", a "Managed identity" dropdown labeled "Select", and a search bar "Search by resource type". A sidebar lists "System-assigned managed identity" options: "All system-assigned managed identities (2)", "Automation Account (1)", and "Logic app (1)". Below the sidebar, it says "Selected members: No members selected. Search for and add one or more members you want to assign to the role for this resource." At the bottom of the modal are "Select" and "Close" buttons, and a "Feedback" link at the bottom right.

At the very bottom of the screen, there's a taskbar with various icons and a status bar showing the date and time (10/30/2024, 2:25 AM).

5. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received

The screenshot shows the Microsoft Azure portal interface. The main page displays the 'Add role assignment' dialog for a 'Contributor' role, with the 'Members' tab selected. The 'Assign access to' section is set to 'Managed identity'. Below it, there's a table for adding members, which currently shows 'No members selected'. The 'Description' field is optional. At the bottom, there are 'Review + assign', 'Previous', and 'Next' buttons, along with 'Select' and 'Close' buttons for the modal.

Select managed identities

Subscription *: Azure for Students

Managed identity: Logic app (1)

Select ⓘ: Search by name

Selected members:

- VM-Automation
/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups...

Feedback

20°C صافي غالباً

Search

2:25 AM 10/30/2024

5. Give this identity a contributor role on the automation scope to be able to run the runbook when an http request is received

The screenshot shows the 'Add role assignment' dialog in the Microsoft Azure portal. The 'Members' tab is selected. The 'Selected role' is set to 'Contributor'. Under 'Assign access to', the 'Managed identity' option is selected. The 'Members' section shows a table with one entry: 'VM-Automation' (Object ID: 439b41d3-3b1a-4ead-9667-076b35263...) which is a 'Logic app'. A description box contains the text: 'This is a role assignment to allow the logic apps managed identity to run the automation account runbook'. At the bottom, there are 'Review + assign', 'Previous', and 'Next' buttons, along with a 'Feedback' link.

Add role assignment

Members

Selected role: Contributor

Assign access to: Managed identity

Name	Object ID	Type
VM-Automation	439b41d3-3b1a-4ead-9667-076b35263...	Logic app

Description: This is a role assignment to allow the logic apps managed identity to run the automation account runbook

Review + assign | Previous | Next | Feedback

20°C صافي غالباً

Search | Copilot | All Bookmarks | salmasalam010@outlook.com | DEFAULT DIRECTORY

6. Give same role on the level of subscription

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "Add role assignment - Microsoft Azure". The URL in the address bar is portal.azure.com/#view/Microsoft_Azure_AD/AddRoleAssignmentsLandingBlade/scope/%2Fsubscriptions%2Fcfe9be26-2221-4a04-a293-e55.... The page title is "Add role assignment".

The main content area displays the "Members" tab of the role assignment configuration. The "Selected role" is set to "Contributor". Under "Assign access to", the "Managed identity" option is selected. The "Members" section shows a table with one entry: "VM-Automation" (Object ID: 439b41d3-3b1a-4ead-9667-076b35263...) of type "Logic app". A description box contains the text: "This is a role to give contribution to logic apps managed identity on my subscription".

At the bottom, there are buttons for "Review + assign", "Previous", and "Next". On the right side, there is a "Feedback" link. The system tray at the bottom shows the date and time as "2:42 AM 10/30/2024".

6. Give same role on the level of subscription

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Add role assignment - Microsoft' and 'VM-Automation - Microsoft Az...'. The address bar displays the URL: portal.azure.com/#view/Microsoft_Azure_AD/AddRoleAssignmentsLandingBlade/scope/%2Fsubscriptions%2Fcfe9be26-2221-4a04-a293-e55.... Below the address bar, there are links for 'Gmail', 'Console Home | Co...', 'Home - Microsoft A...', '(3479) DevOpsified |...', '(3004) All About RH...', 'DevOps Track - Goo...', 'All Bookmarks', and the user's email 'salmasalam010@outloo...'. The main title is 'Add role assignment'.

The 'Review + assign' tab is selected. The configuration details are as follows:

- Role:** Contributor
- Scope:** /subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/Automation/providers/Microsoft.Automation/automationAccounts/StartVM
- Members:**

Name	Object ID	Type
VM-Automation	439b41d3-3b1a-4ead-9667-076b35263358	Logic app ⓘ
- Description:** This is a role assignment to allow the logic apps managed identity to run the automation account runbook

At the bottom, there are buttons for 'Review + assign' (highlighted in blue), 'Previous', and 'Next'. On the right side of the page, there is a 'Feedback' link. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 10/30/2024 at 2:27 AM.

6. Add a create job action

The screenshot shows the Microsoft Azure Logic App designer interface. The left sidebar is titled "VM-Automation | Logic app designer" and includes options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (with Logic app designer selected), Logic app code view, Run history, Versions, API connections, Quick start guides, Settings, and Workflow settings. The main workspace displays a trigger card: "When a HTTP request is received". To the right, a modal window titled "Add an action" is open, showing search results for "azure au". The results are grouped by connector, with "Azure Automation" selected. Under "Actions", three items are listed: "Create job", "Get job output", and "Get status of job". The browser address bar shows the URL for the Azure portal.

Test - Microsoft Azure VM-Automation - Microsoft Azure

portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/VM-Automation/providers/Microsoft.Web/sites/VM-Automation

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo...

Microsoft Azure Search resources, services, and docs (G+/)

Copilot salmasalam010@outlook.com DEFAULT DIRECTORY (SALMASAL...)

Home > Microsoft.Web-LogicAppConsumption-Portal-6284d874-adab | Overview > VM-Automation

VM-Automation | Logic app designer

Search Overview Activity log Access control (IAM) Tags Diagnose and solve problems Development Tools Logic app designer Run history Versions API connections Quick start guides Settings Workflow settings

When a HTTP request is received

Add an action

azure au

Runtime: Select a runtime Action type: Actions

Group by Connector:

Azure Automation

Create job

Get job output

Get status of job

20°C 1 صافي غالباً Search 2:15 AM 10/30/2024

7. Creating a connection using logic apps managed identity created previous step

The screenshot shows the Microsoft Azure Logic App Designer interface. On the left, a sidebar menu is open under the 'Development Tools' section, with 'Logic app designer' selected. The main workspace displays a workflow starting with a 'When a HTTP request is received' trigger and followed by a 'Create job' action. To the right of the workspace, a 'Create connection' dialog is open, prompting the user to 'Create a new connection'. The dialog fields include 'Connection Name *' (with placeholder 'Enter a name for the connection'), 'Authentication Type *' (set to 'OAuth default'), and 'Tenant' (with placeholder 'The tenant ID of for the Microsoft Entra ID application'). A 'Sign in' button is located at the bottom right of the dialog. The browser's address bar shows the URL for the Azure portal, and the taskbar at the bottom includes icons for various Windows applications.

Test - Microsoft Azure VM-Automation - Microsoft Azure

portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/VM-Automation/providers/Microsoft.Web/sites/Microsoft.Web-LogicAppConsumption-Portal-6284d874-adab

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo... All Bookmarks

Microsoft Azure Search resources, services, and docs (G+)

Copilot 🔍 📡 🚧 🌐 🎯 🌐 🌐

salmasalam010@outlook.com DEFAULT DIRECTORY (SALMASAL...)

Home > Microsoft.Web-LogicAppConsumption-Portal-6284d874-adab | Overview > VM-Automation

VM-Automation | Logic app designer

Logic app

Search Run Save Discard Parameters Code view Errors Info File a bug

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Development Tools

Logic app designer Logic app code view Run history Versions API connections Quick start guides Settings Workflow settings

When a HTTP request is received

Create job

Create connection

Create job

Create a new connection

Connection Name *

Authentication Type *

Tenant

Enter a name for the connection

OAuth default

The tenant ID of for the Microsoft Entra ID application

Sign in

20°C 10/30/2024 2:16 AM

7. Creating a connection using logic apps managed identity created previous step

The screenshot shows the Microsoft Azure Logic App designer interface. On the left, the navigation pane is open, showing the 'Logic app designer' section selected. The main workspace displays a workflow starting with a 'When a HTTP request is received' trigger and leading to a 'Create job' action. To the right of the workspace, a modal window titled 'Create connection' is displayed, prompting the user to 'Create a new connection'. The 'Connection Name' field is set to 'LogicApp-AzureConnection-Automation' and the 'Authentication Type' is set to 'Logic Apps Managed Identity'. At the bottom right of the modal are 'Create new' and 'Cancel' buttons.

StartVM - Microsoft Azure VM-Automation - Microsoft Azure

portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/VM-Automation/providers/Microsoft.Web/sites/Microsoft.Web-LogicAppConsumption-Portal-6284d874-adab

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo... All Bookmarks

Microsoft Azure Search resources, services, and docs (G+/)

Copilot 2 ② ③ ④ ⑤

salmasalam010@outlook.com DEFAULT DIRECTORY (SALMASAL...)

Home > Microsoft.Web-LogicAppConsumption-Portal-6284d874-adab | Overview > VM-Automation

VM-Automation | Logic app designer

Logic app

Search Run Save Discard Parameters Code view Errors Info File a bug

Access control (IAM)

Tags

Diagnose and solve problems

Development Tools

Logic app designer

Logic app code view

Run history

Versions

API connections

Quick start guides

Settings

Workflow settings

Authorization

Access keys

When a HTTP request is received

Create job

Create connection

Create job

Create a new connection

Connection Name *

LogicApp-AzureConnection-Automation

Authentication Type *

Logic Apps Managed Identity

Create a connection for Azure Automation.

Create new Cancel

20°C 1 20°C صافي غالباً

Search

2:31 AM 10/30/2024

8. Configuring the job after authentication and choosing the subscription resource group and the automation account that will be triggered

The screenshot shows the Microsoft Azure Logic App designer interface. On the left, a sidebar menu is open under 'Logic app designer', listing options like 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Development Tools', 'Logic app code view', 'Run history', 'Versions', 'API connections', 'Quick start guides', 'Settings', 'Workflow settings', 'Authorization', and 'Access keys'. The main workspace displays a logic app workflow:

```
graph TD; A[When a HTTP request is received] --> B[Create job]
```

The 'Create job' step is currently selected. To the right of the workspace, a configuration pane titled 'Create job' is open, showing the 'Parameters' tab. It includes fields for 'Subscription' (set to 'Azure for Students') and 'Automation Account' (set to 'The name of the Azure Automation Account'). Below these, there's a section for 'Advanced parameters' which shows 'Showing 1 of 3'.

8. Configuring the job after authentication and choosing the subscription resource group and the automation account that will be triggered

The screenshot shows the Microsoft Azure Logic App designer interface. The left sidebar has 'Logic app designer' selected. The main canvas displays a workflow starting with a 'When a HTTP request is received' trigger and leading to a 'Create job' action. On the right, a 'Create job' configuration pane is open, showing the 'Parameters' tab with fields for 'Subscription' (set to 'Azure for Students'), 'Resource Group' (set to 'NetworkWatcherRG'), and 'Automation' (set to 'Enter custom value'). Other tabs include 'Settings', 'Code view', 'Testing', and 'About'. The top navigation bar shows the user is signed in as 'salmasalam010@outlook.onmicrosoft.com'.

VM-Automation | Logic app designer

When a HTTP request is received

Create job

Subscription: Azure for Students

Resource Group: NetworkWatcherRG

Automation: Enter custom value

Advanced parameters: Showing 1 of 3

20°C صافي غالباً

Search

2:45 AM 10/30/2024

8. Configuring the job after authentication and choosing the subscription resource group and the automation account that will be triggered

The screenshot shows the Microsoft Azure Logic App designer interface. The main area displays a workflow starting with a 'When a HTTP request is received' trigger and followed by a 'Create job' action. On the left, a navigation sidebar is open, showing options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (with Logic app designer selected), Logic app code view, Run history, Versions, API connections, Quick start guides, Settings, and Workflow settings. The top navigation bar shows the URL as portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/VM-Automation/providers/Microsoft.Web/sites/VM-Automation. The top right corner shows the user's email (salmasalam010@outlook.com) and a 'DEFAULT DIRECTORY' button.

VM-Automation | Logic app designer

When a HTTP request is received → Create job

Create job

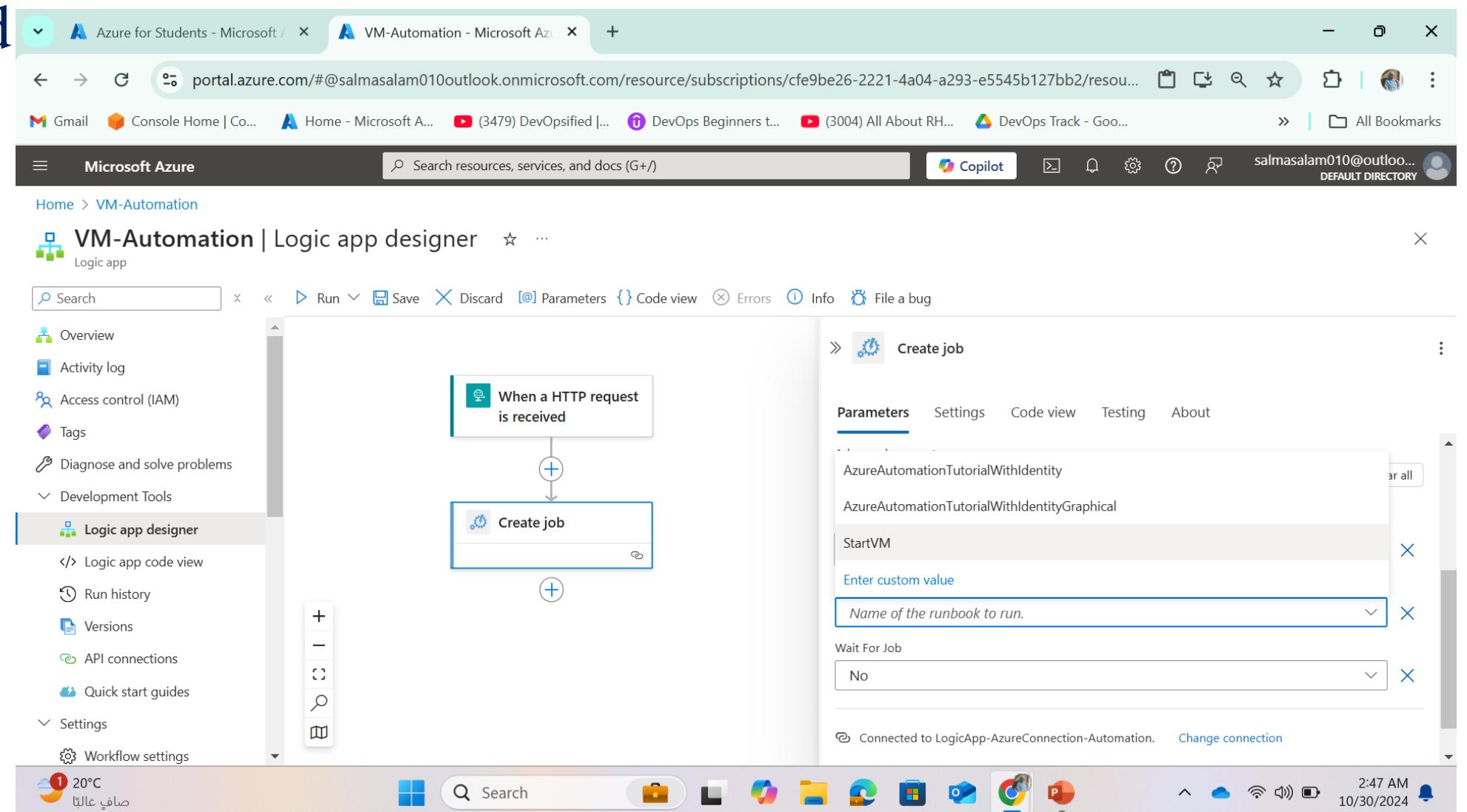
Parameters

- Subscription *: Azure for Students
- Resource Group *: Automation
- Automation Account *: The name of the Azure Automation Account.
StartVM
Enter custom value

Showing 1 of 3

2:46 AM 10/30/2024

8. Configuring the job after authentication and choosing the subscription resource group and the automation account that will be triggered



9. Configuring parameters (VMName & ResourceGroupName) that are received from webhook when http request arrives

The screenshot shows the Microsoft Azure Logic App designer interface. The left sidebar is titled "VM-Automation | Logic app designer" and lists various options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (with Logic app designer selected), Logic app code view, Run history, Versions, API connections, Quick start guides, Settings, and Workflow settings. The main workspace displays a workflow: "When a HTTP request is received" followed by a "Create job" step. To the right, the "Create job" step is expanded, showing its configuration details:

- Parameters:** StartVM
- Wait For Job:** Wait for the job to finish before completing the action.
- Runbook Parameter VMName:** (empty input field)
- Runbook Parameter ResourceGroupName:** (empty input field)

At the bottom, it indicates "Connected to LogicApp-AzureConnection-Automation." with a "Change connection" link, and "Managed identity" and "System-assigned managed identity" options.

9. Configuring parameters (VMName & ResourceGroupName) that are received from webhook when http request arrives

The screenshot shows the Microsoft Azure Logic App designer interface. The left sidebar is titled "VM-Automation | Logic app designer" and includes sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (with Logic app designer selected), Logic app code view, Run history, Versions, API connections, Quick start guides, Settings, and Workflow settings. The main workspace displays a workflow starting with a "When a HTTP request is received" trigger and followed by a "Create job" action. To the right of the workspace is a "Create job" configuration pane with tabs for Parameters, Settings, Code view, Testing, and About. The Parameters tab is active, showing three parameters: StartVM (selected), Wait For Job (description: "Wait for the job to finish before completing the action."), VMName (Runbook Parameter), and ResourceGroupName (Runbook Parameter). A note at the bottom states "Connected to LogicApp-AzureConnection-Automation." The status bar at the bottom shows the date and time as 3:03 AM 10/30/2024.

9. Configuring parameters (VMName & ResourceGroupName) that are received from webhook when http request arrives

The screenshot shows the Microsoft Azure Logic App designer interface. On the left, the navigation bar includes 'StartVM (StartVM/StartVM) - M...', 'VM-Automation - Microsoft Az...', and a '+' button. The main title is 'VM-Automation | Logic app designer'. The left sidebar has sections like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (with 'Logic app designer' selected), Logic app code view, Run history, Versions, API connections, Quick start guides, Settings, and Workflow settings. The main workspace shows a workflow: 'When a HTTP request is received' (trigger) connects to 'Create job' (action). The 'Create job' action is highlighted with a blue border. To the right, the 'Code view' tab is selected in the 'Create job' panel, showing the JSON code for the action:

```
1 {  
2   "type": "ApiConnection",  
3   "inputs": {  
4     "host": {  
5       "connection": {  
6         "referenceName": "azureautomation"  
7       }  
8     },  
9     "method": "put",  
10    "body": {  
11      "properties": {  
12        "parameters": {  
13          "VMName": "@triggerBody()['VMName']",  
14          "ResourceGroupName": "@triggerBody()['ResourceGroupName']"  
15        }  
16      }  
17    }  
18  }
```

The status bar at the bottom shows 'MFPC %1,42-' and the date '10/30/2024'.

10. Stop the VM

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has two tabs open: 'Automatio-VM - Microsoft Azure' and 'VM-Automation - Microsoft Azure'. The URL in the address bar is [portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGr...](https://portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups). The main content area is titled 'Virtual machines' and shows a list with one item: 'Automatio-VM'. A modal dialog box is displayed over the page, asking 'Do you want to stop 'Automatio-VM'?'. The dialog includes a note: 'Deallocation operations usually complete within 1-2 minutes but may take up to 90 minutes in some cases. You can leave the page and track the progress via notifications.' At the bottom of the dialog are 'Yes' and 'No' buttons. The background shows the 'Overview' section for the 'Automatio-VM' virtual machine, listing details such as Subscription (move), Virtual network/subnet, DNS name, Health state, and Time created.

Automatio-VM - Microsoft Azure | VM-Automation - Microsoft Azure

portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified ... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo...

All Bookmarks

Microsoft Azure

Search resources, services, and docs (G+/)

Copilot

salmasalam010@outloo... DEFAULT DIRECTORY

Home > Virtual machines >

Virtual machines

Default Directory

+ Create ▾ Switch to classic ...

Filter for any field...

Name ↑

Automatio-VM ...

Automatio-VM

Automatio-VM

Virtual machine

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Connect

Connect

Bastion

Networking

Network settings

Load balancing

Application security groups

Network manager

Stop this virtual machine

Do you want to stop 'Automatio-VM'?

Deallocation operations usually complete within 1-2 minutes but may take up to 90 minutes in some cases. You can leave the page and track the progress via notifications.

Yes No

Last 1000

Subscription ([move](#)) [Azure for Students](#)

Virtual network/subnet [Automatio-VM-vnet/default](#)

Subscription ID cfe9be26-2221-4a04-a293-e5545b127bb2

DNS name [Not configured](#)

Health state -

Time created 10/27/2024, 1:45 AM UTC

Tags ([edit](#)) [Add tags](#)

MFPC 1,42- 3:05 AM 10/30/2024

11. Use Postman to send an HTTP request to logic apps to check that it will be triggered and the created job will trigger the runbook in the automation account with the parameters taken from the HTTP request to start the target VM in given Resource Group in HTTP request

The screenshot shows the Postman application interface. The top navigation bar includes Home, Workspaces (with a dropdown for API Network), a search bar, and various status indicators like Invite, Upgrade, and notifications.

The main workspace is titled "My Workspace". It contains two collections: "Automation-VM" and "VM Start". A specific POST request is selected, with the URL being <https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/trig...>. The "Params" tab is active, showing the following query parameters:

Key	Value	Description	... Bulk Edit
api-version	2016-10-01		
sp	%2Ftriggers%2FWhen_a_HTTP_request...		
sv	1.0		
sig	AFNp1B4LUeCrVzxl-9w3v99zehNwAczf...		

The "Headers" section lists 9 items, and the "Body" section indicates there is 1 item. The "Send" button is visible at the top right of the request details area. Below the request details, there is a "Response" section containing a small illustration of a rocket launching and the text "Postbot". At the bottom of the screen, there is a taskbar with icons for various applications and a system tray showing the date and time (3:26 AM, 10/30/2024).

11. Use Postman to send an HTTP request to logic apps to check that it will be triggered and the created job will trigger the runbook in the automation account with the parameters taken from the HTTP request to start the target VM in given Resource Group in HTTP request

The screenshot shows the Postman application interface. The top navigation bar includes Home, Workspaces, API Network, a search bar, and various toolbars. The left sidebar displays 'My Workspace' with collections like 'Automation-VM' and 'VM Start'. The main workspace shows a POST request to <https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/trig...>. The request details panel shows the method as POST, the URL, and a 'Send' button. Below it, the 'Headers' tab is selected, showing a single header: Content-Type: application/json. The 'Response' panel contains a small illustration of a spaceman launching a rocket. At the bottom, there's a toolbar with icons for Postbot, Runner, Start Proxy, Cookies, Vault, Trash, and help.

11. Use Postman to send an HTTP request to logic apps to check that it will be triggered and the created job will trigger the runbook in the automation account with the parameters taken from the HTTP request to start the target VM in given Resource Group in HTTP request

The screenshot shows the Postman application interface. The top navigation bar includes Home, Workspaces (with Automation-VM selected), API Network, Search Postman, Invite, Settings, Notifications, Upgrade, and Close. The left sidebar shows My Workspace with Collections (Automation-VM, VM Start) and Environments. The main workspace displays a POST request to <https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/trig...>. The request body is set to raw JSON:

```
1 {
2   "ResourceGroupName": "Automation",
3   "VMName": "Automation-VM"
4 }
```

The Response section contains a cartoon illustration of a rocket launching from a postbot.

At the bottom, the footer includes Online, Find and replace, Console, Postbot, Runner, Start Proxy, Cookies, Vault, Trash, and Help buttons. The system tray shows a weather icon (20°C), a search bar, taskbar icons (File Explorer, Microsoft Edge, File Manager, Task View, Taskbar Icons, Taskbar Icons), and a system status bar showing 3:27 AM, 10/30/2024, and a battery icon.

11. Use Postman to send an HTTP request to logic apps to check that it will be triggered and the created job will trigger the runbook in the automation account with the parameters taken from the HTTP request to start the target VM in given Resource Group in HTTP request

The screenshot shows the Postman application interface. On the left, the 'My Workspace' sidebar lists 'Collections' (Automation-VM), 'Environments', and 'History'. The main workspace displays a POST request to 'https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba5...'. The 'Params' tab is selected, showing five parameters: 'Key' (Value: 2016-10-01), 'api-version' (Value: 2016-10-01), 'sp' (Value: %2Ftriggers%2FWhen_a_HTTP_request...), 'sv' (Value: 1.0), and 'sig' (Value: AFNp1B4LueCrvzxl-9w3v99zehNwAczf...). The 'Body' tab shows a single JSON object: { "Key": "Value" }. The status bar at the bottom indicates a '202 Accepted' response with 1133 ms and 1.05 KB.

12. Checking the run history of logic apps after sending the HTTP request from postman and it's successfully running

The screenshot shows the Microsoft Azure portal interface. The browser tab is titled "VM-Automation - Microsoft Azure". The address bar shows the URL "portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/VM-Automation/providers/Microsoft.Logic/workflows/VM-Automation/runs". The main content area displays the "Run history" page for the "VM-Automation" logic app. The left sidebar menu is expanded, showing options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (Logic app designer, Logic app code view), Run history (which is selected and highlighted in blue), Versions, API connections, Quick start guides, Settings, and Workflow settings. The "Run history" section includes a search bar, refresh button, date and time filters, and a search input field. A table lists one run entry:

Status	Start time	Identifier	Duration	Static Results
Succeeded	10/30/2024, 12:28 AM	0858471358782559489836109676...	501 Milliseconds	

The status column shows a green checkmark next to "Succeeded". The identifier is a long string of numbers. The duration is listed as "501 Milliseconds". The static results column is currently empty.

12. Checking the run history of logic apps after sending the HTTP request from postman and it's successfully running

The screenshot shows the Microsoft Azure portal interface with three browser tabs open:

- Automatio-VM - Microsoft Azure
- VM-Automation - Microsoft Azure
- StartVM - Microsoft Azure

The current view is "VM-Automation | Run history". The left sidebar menu is expanded, showing the "Run history" option selected. The main area displays the logic app flow and its execution details.

VM-Automation | Run history

VM-Automation

Run details: 0s (green checkmark), Resubmit, Cancel run, Refresh, Info, File a bug

Flow:

```
graph TD; A[When a HTTP request is received] --> B[Create job]; A.0s; B.0.3s
```

Start time: 10/30/2024, 12:28 AM Duration: 501 Milliseconds

Search bar: Search resources, services, and docs (G+/)

User info: salmasalam010@outlook.com (DEFAULT DIRECTORY)

Bottom navigation bar: COMI 1,12, Search, Task View, File Explorer, Taskbar icons, 3:35 AM, 10/30/2024, Notifications

12. Checking the run history of logic apps after sending the HTTP request from postman and it's successfully running

The screenshot shows a Microsoft Azure browser window with three tabs open: "Automatio-VM - Microsoft Azure", "Logic app run details - Microsoft Azure", and "StartVM - Microsoft Azure". The active tab is "Logic app run details - Microsoft Azure" at the URL portal.azure.com/#view/Microsoft_Azure_EMA/WorkflowRunBlade/id/%2Fsubscriptions%2Fcfe9be26-2221-4a04-a293-e5545b127bb2.... The page displays the "Logic app run details" for a specific run ID: 08584713587825594898361096763CU16. The timeline shows a single step: "Create_job" succeeded at 12:28:23 AM. The duration was 306 Milliseconds. The status bar at the bottom indicates a notification for COMI.

Logic app run details

08584713587825594898361096763CU16

Cancel

300ms

200ms

100ms

0ms

12:28:23 AM 12:28:23 AM

Succeeded Failed Running Skipped Aborted

1 - - - -

Action	Status	Duration
Create_job	Succeeded	306 Milliseconds

COMI 1,12

Search

3:36 AM 10/30/2024

12. Checking the run history of logic apps after sending the HTTP request from postman and it's successfully running

The screenshot shows a Microsoft Azure browser tab titled "Logic app run details - Microsoft Azure". The main content displays a table of a single run history entry:

Action	Status	Duration
Create_job	Succeeded	306 Milliseconds

Below the table, the "Trigger" section shows the name of the trigger: "When_a_HTTP_request_is_received (08584713587825594898361096763CU16)". The "Outputs Link" provides a URL for the trigger outputs: <https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/runs/08584713587825594898361096763CU16/contents/TriggerOutputs?api-version=2016-10-01&se=2024-10-30T04...>. The "Details" and "Start date" sections are currently empty.

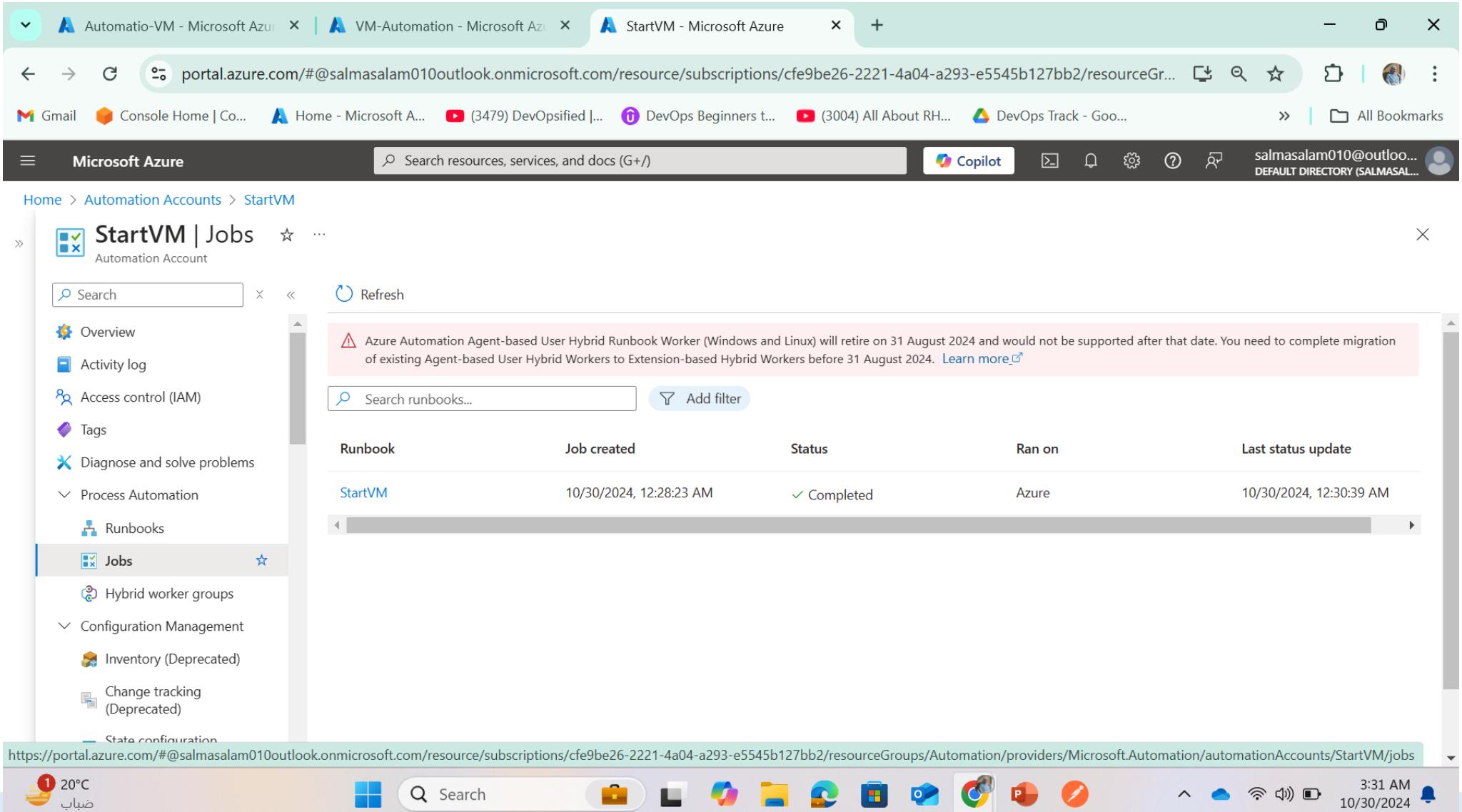
12. Checking the run history of logic apps after sending the HTTP request from postman and it's successfully running

The screenshot shows a Microsoft Edge browser window with three tabs open: "Automatio-VM - Microsoft Azure", "Logic app run details - Microsoft Azure", and "StartVM - Microsoft Azure". The current view is the "Logic app run details" tab for a specific run ID: 08584713587825594898361096763CU16. The URL in the address bar is: <https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/runs/08584713587825594898361096763CU16/contents/TriggerOutputs?api-version=2016-10-01&se=2024-10-30T04...>. The page displays the following details:

- Details**
 - Start date**: Wednesday, October 30, 2024 at 3:28:22 AM
 - End date**: Wednesday, October 30, 2024 at 3:28:23 AM
 - Correlation Id**: 08584713587825594898361096763CU16
- Outputs**: No outputs

The browser interface includes a search bar, Copilot button, and various Microsoft service icons in the toolbar. The taskbar at the bottom shows the Windows Start button, a search bar, and pinned icons for File Explorer, Microsoft Edge, and other applications.

13. Checking the jobs of the automation account after sending the HTTP request from postman and it's successfully running



The screenshot shows the Microsoft Azure portal interface. The browser tabs are labeled "Automatio-VM - Microsoft Azure", "VM-Automation - Microsoft Azure", and "StartVM - Microsoft Azure". The main page title is "StartVM | Jobs" under the "Automation Account". The left sidebar menu includes "Overview", "Activity log", "Access control (IAM)", "Tags", "Diagnose and solve problems", "Process Automation", "Runbooks", "Jobs" (which is selected), "Hybrid worker groups", "Configuration Management", "Inventory (Deprecated)", "Change tracking (Deprecated)", and "State configuration". A search bar at the top right says "Search resources, services, and docs (G+)". The main content area displays a table of runbook jobs:

Runbook	Job created	Status	Ran on	Last status update
StartVM	10/30/2024, 12:28:23 AM	✓ Completed	Azure	10/30/2024, 12:30:39 AM

A warning message at the top states: "Azure Automation Agent-based User Hybrid Runbook Worker (Windows and Linux) will retire on 31 August 2024 and would not be supported after that date. You need to complete migration of existing Agent-based User Hybrid Workers to Extension-based Hybrid Workers before 31 August 2024. Learn more". The URL in the address bar is "https://portal.azure.com/#@salmasalam010outlook.onmicrosoft.com/resource/subscriptions/cfe9be26-2221-4a04-a293-e5545b127bb2/resourceGroups/Automation/providers/Microsoft.Automation/automationAccounts/StartVM/jobs". The system tray at the bottom shows the date and time as "3:31 AM 10/30/2024".

13. Checking the jobs of the automation account after sending the HTTP request from postman and it's successfully running

The screenshot shows the Microsoft Azure portal interface. The browser tabs are titled "Automatio-VM - Microsoft Azure", "VM-Automation - Microsoft Azure", and "StartVM 10/30/2024, 12:28 AM". The main content area displays the details of a completed job named "StartVM 10/30/2024, 12:28 AM". The job status is "Completed". It ran on "Azure" and was performed by "User". The runbook used was "StartVM". The "Input" tab is selected, showing two input parameters: "VMName" with value "Automatio-VM" and "ResourceGroupName" with value "Automation". The "Essentials" section provides detailed information about the job's creation and last update times.

Name	Value
VMName	Automatio-VM
ResourceGroupName	Automation

Essentials

Id	: 5ec1270f-d52f-473c-a704-d478176a797d	Created	: 10/30/2024, 12:28:23 AM
Status	: Completed	Last Update	: 10/30/2024, 12:30:39 AM
Ran on	: Azure	Runbook	: StartVM
Ran As	: User	Source snapshot	: View source snapshot

13. Checking the jobs of the automation account after sending the HTTP request from postman and it's successfully running

Automatio-VM - Microsoft Azur | VM-Automation - Microsoft Azur | StartVM 10/30/2024, 12:28 AM

portal.azure.com/#view/Microsoft_Azure_Automation/JobDashboard.ReactView/jobResourceId/%2Fsubscriptions%2Fcfe9be26-2221-4a04-a... 🔍 ⚡ 🌐

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo...

Microsoft Azure Search resources, services, and docs (G+/)

Copilot

salmasalam010@outlook.com DEFAULT DIRECTORY (SALMASAL...

Home > Automation Accounts > StartVM | Jobs >

StartVM 10/30/2024, 12:28 AM

Job

Resume Stop Suspend Feedback Refresh Export output

Ran As : User Source snapshot : [View source snapshot](#)

Input Output Errors Warnings All Logs Exception

```
Logging in with Managed Identity

Environments ----- Context -----
{[AzureCloud, AzureCloud], [AzureChinaCloud, AzurechinaCloud], [AzureUSGovernment, AzureUSGovernment]} Microsoft.Azure...

VM is stopped. Starting the VM...

OperationId : 0e27f846-4b1c-4d63-a6fc-6082c4a753fc
Status : Succeeded
StartTime : 10/30/2024 12:29:48 AM
EndTime : 10/30/2024 12:30:39 AM
Error :
Name :

VM has been started.
```

20°C 3:33 AM 10/30/2024

13. Checking the jobs of the automation account after sending the HTTP request from postman and it's successfully running

The screenshot shows the Microsoft Azure portal interface. The top navigation bar has three tabs: "Automatio-VM - Microsoft Azure", "VM-Automation - Microsoft Azure", and "StartVM 10/30/2024, 12:28 AM". The current view is the "JobDashboard" for the "StartVM" job. The job title is "StartVM 10/30/2024, 12:28 AM". Below the title, there are buttons for "Resume", "Stop", "Suspend", "Feedback", "Refresh", and "Export output". The "All Logs" tab is selected, showing 0 Errors and 0 Warnings. The log table lists the following entries:

Time	Type	Details
10/30/2024, 12:29:41 AM	Output	Logging in with Managed Identity
10/30/2024, 12:29:44 AM	Output	VM is stopped. Starting the VM...
10/30/2024, 12:29:48 AM	Output	VM has been started.
10/30/2024, 12:30:39 AM	Output	
10/30/2024, 12:30:39 AM	Output	

At the bottom of the screen, there is a taskbar with various icons and a system tray showing the date and time as 3:33 AM on 10/30/2024.

13. Checking the jobs of the automation account after sending the HTTP request from postman and it's successfully running

The screenshot shows the Microsoft Azure portal interface. The user is viewing the 'Virtual machines' blade for a resource named 'Automatio-VM'. The 'Overview' tab is active, providing a summary of the VM's configuration. Key details include:

- Resource group: Automation
- Status: Running
- Operating system: Linux (ubuntu 22.04)
- Size: Standard DS1 v2 (1 vcpu, 3.5 GiB memory)
- Public IP address: 52.186.24.224
- Virtual network/subnet: Automatio-VM-vnet/default
- DNS name: Not configured
- Health state: -
- Time created: 10/27/2024, 1:45 AM UTC

The left sidebar lists other management options: Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect (with sub-options for Connect and Bastion), Networking (with sub-options for Network settings, Load balancing, Application security groups, and Network manager), and Tags (with sub-options for edit and Add tags).

Part 03

What needs to be done in this part

Configure power automate to monitor the outlook inbox and when an email is received with mentioned subject it will first convert this html to txt then the email body will be saved in a variable then will parse this email body using expressions to extract VMName and ResourceGroupName then configure an http action to send HTTP request to webhook of logic apps then logic apps will trigger runbook to start VM

Part 03 steps

- I. 1. Open Power Automate
- II. 2. Select Automated Cloud Flow
- III. 3. Set the flow's trigger to (when a new email arrives)
- IV. 4. Configure the email trigger with the subject filter to (Start VM) and the folder to be (Inbox) to monitor my outlook for new emails with mentioned subject
- V. 5. Initialize a variable to store email content (body)
- VI. 6. Send an email to check integration and that the power automate flow will be triggered when a new email arrives with mentioned subject
- VII. 7. Flow successfully running
- VIII. 8. Adding an action to convert HTML in incoming email to text so would be able to parse the email and extract the (VMName) and (ResourceGroupName)

Part 03 Steps

9. Initialize variable to store email body from output of previous action (HTML to TXT)
10. Initialize variable to parse by expression and store the (VMName)
11. Initialize variable to parse by expression and store the (ResourceGroupName)
12. Testing the work flow and check that it's successfully running and is triggered by the email and parameters are successfully parsed and stored in two variables one for VMName and another for ResourceGroupName
13. Adding an Action to integrate with logic apps to send HTTP request to the Webhook URL of the logic apps
14. Testing an email and the power automate flow successfully worked and sent the HTTP request with parameters after parsing to the logic apps
15. Logic apps run history shows succeeded so the logic apps has been triggered by the http request and has started the runbook in the automation account and the runbook has started the VM

1. Open Power Automate

The screenshot shows the Microsoft Power Automate home page in a web browser. The URL in the address bar is make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/home. The page features a blue header with the Microsoft logo and a navigation bar with links like "Gmail", "Console Home | Co...", "Home - Microsoft A...", "DevOpsified |...", "DevOps Beginners t...", "All About RH...", "DevOps Track - Goo...", "All Bookmarks", and a user profile icon.

The main content area has a "Hello, Salma" greeting and a call-to-action button labeled "+ Create". Below this, there's a section titled "Learning for every level" with several cards:

- Analyze process mining reports in Power Automate (Beginner, 45 min)
- Analyze your business process with Microsoft... (Beginner, 43 min)
- Register for free 1-day automation workshop (Beginner, 8 hr)
- Automate with Microsoft Flow (Intermediate)

The left sidebar contains a navigation menu with the following items:

- Home (selected)
- Create
- Templates
- Learn
- My flows
- Approvals
- Solutions
- Process mining
- AI hub
- Automation center (previous)
- Ask a chatbot (highlighted with a blue circle)

The bottom of the screen shows a taskbar with various icons and system status indicators, including the date (10/30/2024) and time (4:04 AM).

2. Select Automated Cloud Flow

The screenshot shows the Microsoft Power Automate interface for creating a new flow. The title bar indicates the current window is 'Create your flow | Power Automate'. The main content area is titled 'Three ways to make a flow' and lists five options:

- Automated cloud flow**: Triggered by a designated event.
- Instant cloud flow**: Triggered manually as needed.
- Scheduled cloud flow**: You choose when and how often it runs.
- Describe it to design it**: Describe the flow you want and AI builds it for you.
- Desktop flow**: Automates processes on your desktop environment.
- Process mining**: Evaluate and optimize your existing processes and tasks.

The left sidebar contains navigation links: Home, Create (selected), Templates, Learn, My flows, Approvals, Solutions, Process mining, AI hub, Automation center (preview...), and Ask a chatbot. The bottom status bar shows the URL <https://make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/create>, the system tray with icons for weather, search, file explorer, and other applications, and the system clock showing 1:02 AM on 10/31/2024.

3. Set the flow's trigger to (when a new email arrives)

The screenshot shows a Microsoft Edge browser window with the URL make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/create. The page title is "Create your flow | Power Automate". The left sidebar of the Power Automate interface is visible, showing options like Home, Create, Templates, Learn, My flows, Approvals, Solutions, Process mining, AI hub, Automation center, and Ask a chatbot. The main area is titled "Build an automated cloud flow" and features a central illustration of a computer monitor displaying a cloud icon, a keyboard, and a small robot figure. Below the illustration, text reads: "Free yourself from repetitive work just by connecting the apps you already use—automate alerts, reports, and other tasks." A section titled "Examples:" lists two items: "Automatically collect and store data in business solutions" and "Generate reports via custom queries on your SQL database". On the right side, a search bar labeled "Email to Start VM" is followed by the instruction "Choose your flow's trigger *". A search input field contains "email". Below it, a list of triggers is shown, with the first one, "When a new email arrives (V3) Office 365 Outlook", selected and highlighted with a blue checkmark.

Email to Start VM

Choose your flow's trigger *

Search or select a trigger from the list below to create a flow.
(Required)

email

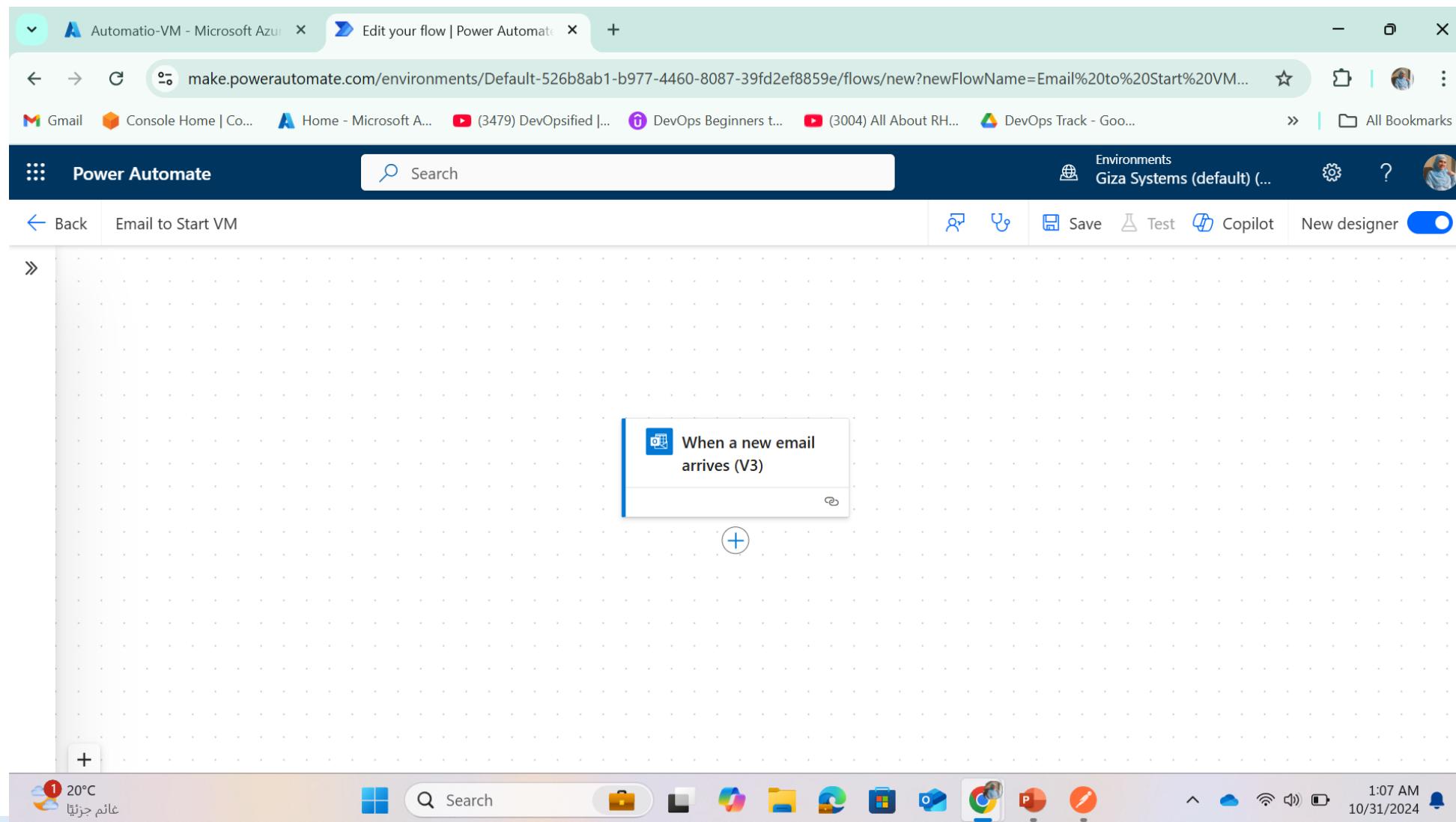
When a new email arrives (V2) Outlook.com
When an email is flagged (V3) Office 365 Outlook
When an email is flagged (V4) Office 365 Outlook
When an email is flagged (V2) Outlook.com
When a new email arrives (V3) Office 365 Outlook

20°C
عائم جزیره

Search

1:06 AM
10/31/2024

3. Set the flow's trigger to (when a new email arrives)



4. Configure the email trigger with the subject filter to (Start VM) and the folder to be (Inbox) to monitor my outlook for new emails with mentioned subject

The screenshot shows the Microsoft Power Automate interface for creating a new flow. The title bar indicates the flow is titled "Automatio-VM - Microsoft Azure" and is being edited on "Edit your flow | Power Automate". The browser address bar shows the URL for creating a new flow.

The main area displays the "When a new email arrives (V3)" trigger configuration. The "Parameters" tab is selected. The configuration includes:

- From:** A search bar labeled "Enter part of a name or email address to find people".
- Include Attachments:** A dropdown menu labeled "Should the response of the trigger include the attachments content?" with an "x" icon.
- Subject Filter:** A text input field containing "Start VM", which is highlighted with a blue border. To the right of this field are a "beta" icon and a "fx" icon.
- Importance:** A dropdown menu labeled "Importance of the email (Any, High, Normal, Low)." with an "x" icon.
- Only With Attachments:** A dropdown menu labeled "If set to true, only emails with an attachment will be retrieved. Emails without an..." with an "x" icon.
- Folder:** A dropdown menu labeled "Mail folder to check for new emails" with an "x" icon.

To the right of the trigger configuration, a preview pane shows a single card with the text "a new email (V3)". The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray indicating the date and time as 10/31/2024 at 1:07 AM.

4. Configure the email trigger with the subject filter to (Start VM) and the folder to be (Inbox) to monitor my outlook for new emails with mentioned subject

The screenshot shows the Microsoft Power Automate interface for creating a new flow. The left sidebar contains various configuration options:

- Parameters:** Fields for "From", "Include Attachments", "Subject Filter" (set to "Start VM"), "Importance", "Only With Attachments", and "Folder" (set to "Inbox").
- Settings:** Buttons for "Switch to Advanced Mode", "Save", "Test", and "Copilot".
- Code view:** A button for viewing the underlying logic.
- About:** Information about the current environment.

The main workspace displays a flow diagram:

```
graph TD; Trigger[When a new email arrives (V3)] --> Initialize[Initialize variable];
```

The flow starts with a "When a new email arrives (V3)" trigger, which then connects to an "Initialize variable" action. The workspace has a light gray dotted grid background.

4. Configure the email trigger with the subject filter to (Start VM) and the folder to be (Inbox) to monitor my outlook for new emails with mentioned subject

The screenshot shows the Microsoft Power Automate interface for creating a flow. The flow consists of two main steps:

- When a new email arrives (V3)**: This is the trigger step, which is configured with a **Subject Filter** set to **Start VM** and a **Folder** set to **Inbox**.
- {x} Initialize variable**: This is the action step that follows the trigger.

The left sidebar displays the **Parameters** tab, which includes sections for **Advanced parameters**, **Subject Filter**, and **Folder**. The **Subject Filter** field contains the value **Start VM**, and the **Folder** field contains the value **Inbox**. The **Code view** and **About** tabs are also visible.

The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

5. Initialize a variable to store email content (body)

The screenshot shows the Microsoft Power Automate interface with the following details:

- Title Bar:** Automatio-VM - Microsoft Azure, Edit your flow | Power Automate
- Address Bar:** make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/flows/new?newFlowName=Email%20to%20Start%20
- Toolbar:** Back, Forward, Stop, Refresh, Save, Test, Copilot, New designer (switched on).
- Header:** Power Automate, Search, Environments (Giza Systems (default) ...), Help.
- Current Flow:** Email to Start VM
- Left Panel (Add an action):** A modal window titled "Add an action" with a search bar containing "Initialize variable". It includes sections for Runtime (Select a runtime dropdown) and Action type (Actions dropdown). A checkbox "Group by Connector" is checked. Below these are four actions:
 - Variable** (In-app): Initialize variable, Increment variable, Set variable.
 - MotaWord Translations**: MotaWord Translations icon.
- Right Panel:** A large workspace showing a flow with a single step: "Send an email" (V3). The step has a preview window showing an email message with the subject "a new email" and body "Hello".
- Bottom Bar:** Weather (20°C), Search, File, Settings, Task View, Taskbar icons (Cloud, Wi-Fi, Sound, Battery), Date (10/31/2024), Time (1:10 AM), and a notification bell.

5. Initialize a variable to store email content (body)

A Portal offline Edit your flow | Power Automate

make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/flows/new?newFlowName=Email%20to%20VM

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo...

All Bookmarks

Power Automate Search Environments Giza Systems (default) ... Copilot New designer

Back Email to Start VM

Parameters Settings Code view About

Name * EmailBodyContent

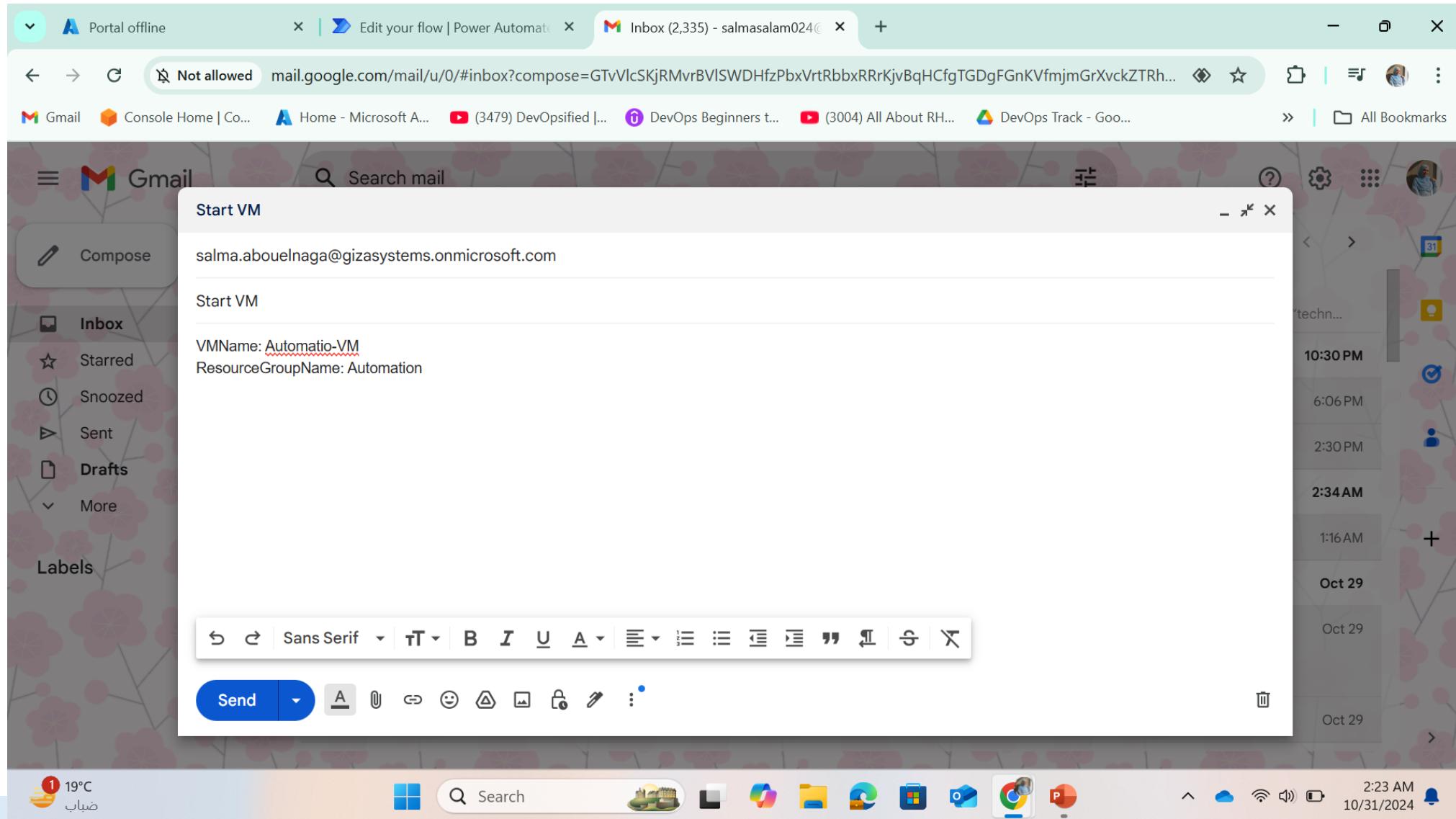
Type * String

Value `triggerOutputs() x`

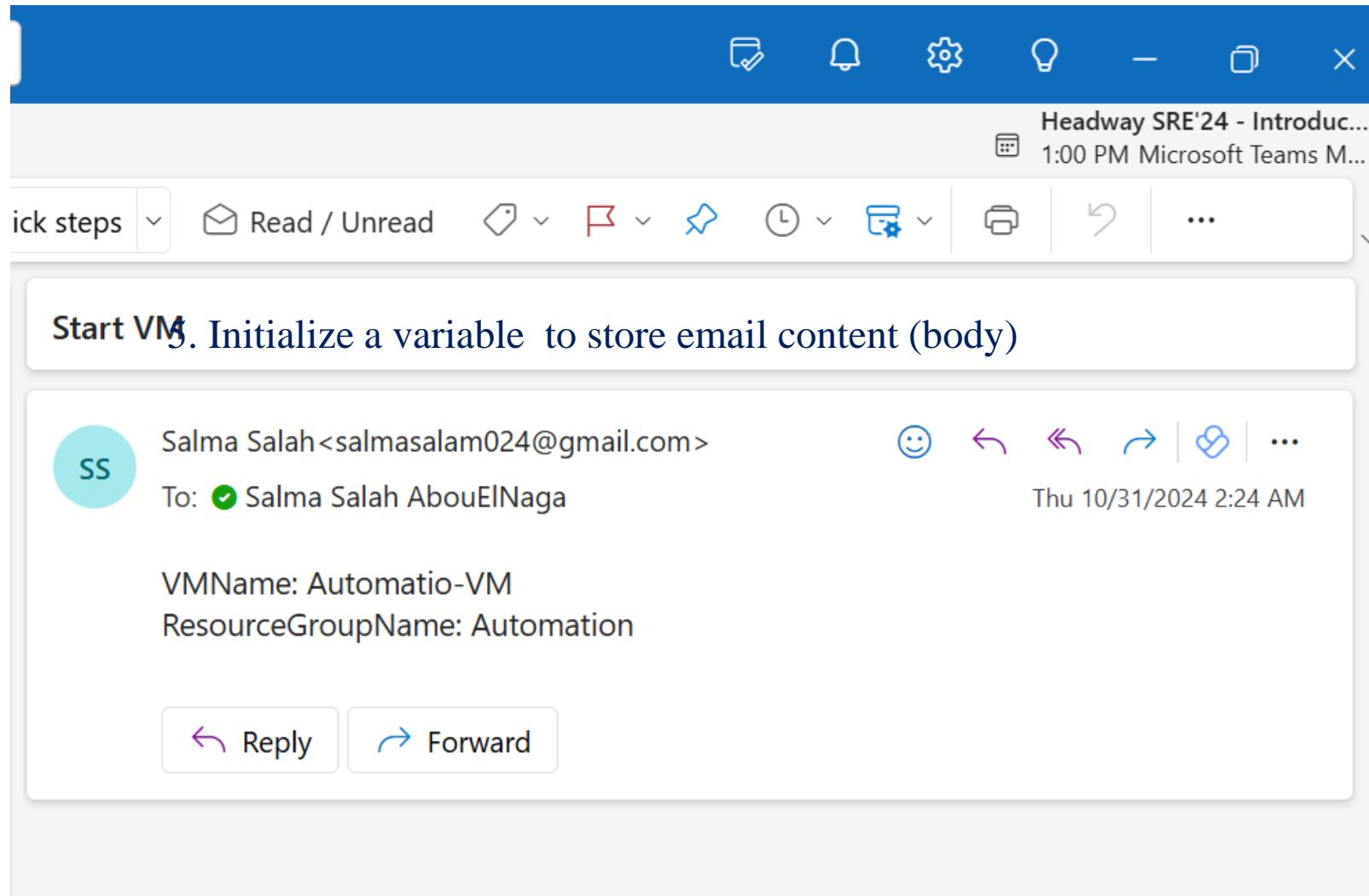
```
graph TD; A[When a new email arrives (V3)] --> B[Initialize variable]
```

The screenshot shows the Microsoft Power Automate interface. On the left, there's a sidebar for parameters with fields for Name (EmailBodyContent), Type (String), and Value (triggerOutputs() x). The main workspace displays a flow starting with a 'When a new email arrives (V3)' trigger, followed by a connector, and then an 'Initialize variable' action. The 'Initialize variable' action has a placeholder value of 'EmailBodyContent'. The bottom of the screen shows the Windows taskbar with various pinned icons.

6. Send an email to check integration and that the power automate flow will be triggered when a new email arrives with mentioned subject



6. Send an email to check integration and that the power automate flow will be triggered when a new email arrives with mentioned subject



7. An error occurred

The screenshot shows the Microsoft Power Automate interface for managing flows. The title bar indicates the current environment is 'Giza Systems (default)'. The main area displays a flow titled 'Email to Start VM'. The flow consists of two actions: 'When a new email arrives (V3)' and 'Initialize variable'. The 'Initialize variable' action has an error message: 'InvalidTemplate. Unable to ...'. The properties panel on the left shows the start time as '10/30/2024, 11:25:01 PM (Local time)' and the status as 'Failed'. The system tray at the bottom shows the date as '10/31/2024' and the time as '2:29 AM'.

Portal offline

Manage your flows | Power Automate

Start VM - salmasalam024@gm

make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/flows/9762ea26-587b-4e94-990f-7119531ad74...

Gmail Console Home | Co... Home - Microsoft A... (3479) DevOpsified |... DevOps Beginners t... (3004) All About RH... DevOps Track - Goo...

Environments Giza Systems (default) ... Resubmit Cancel Copilot Edit New view

Power Automate Search

Email to Start VM

Parameters Settings Code view About

InvalidTemplate
Unable to process template language expressions in action 'Initialize_variable' inputs at line '0' and column '0': 'The template language expression 'triggerOutputs()?['body']['content']' cannot be evaluated because property 'content' doesn't exist, available properties are 'id, receivedDateTime, hasAttachments, internetMessageId, subject, bodyPreview, importance, conversationId, isRead, isHtml, body, from, toRecipients, attachments'. Please see https://aka.ms/logicexpressions for usage details.'

PROPERTIES

Start time
10/30/2024, 11:25:01 PM (Local time)

End time
10/30/2024, 11:25:01 PM (Local time)

Status
Failed

Client tracking ID

19°C 10/31/2024 2:29 AM

Search

Power Automate

Resubmit Cancel Copilot Edit New view

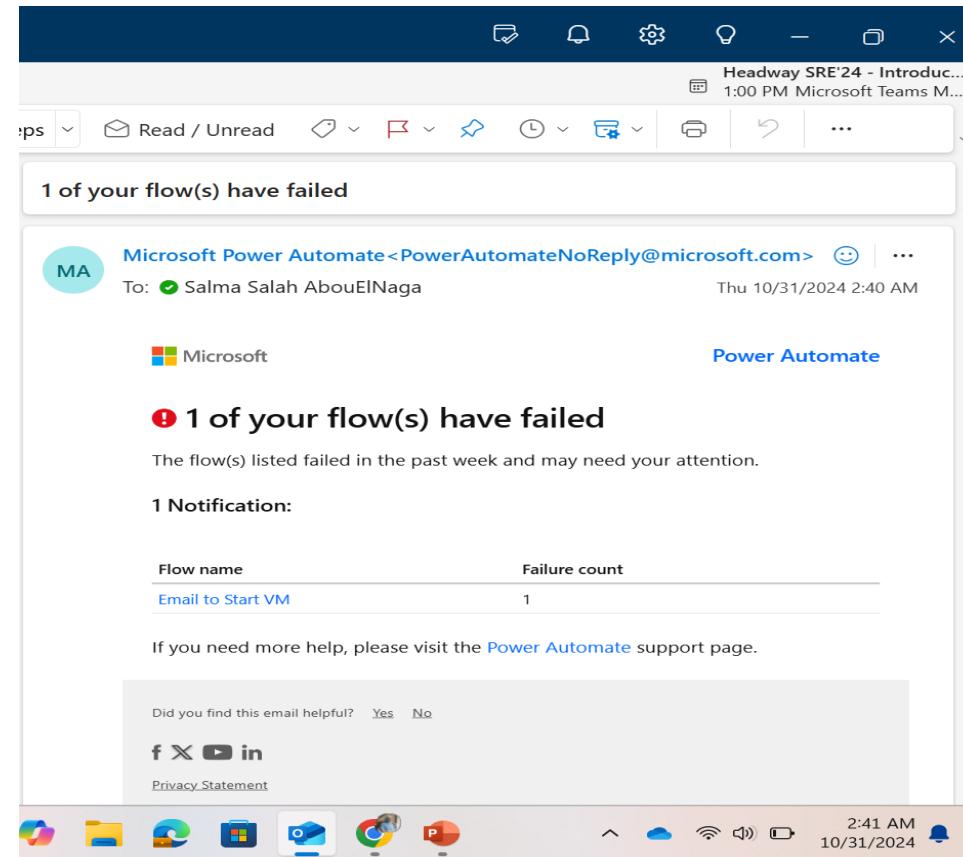
Environments Giza Systems (default) ...

InvalidTemplate. Unable to ...

When a new email arrives (V3)

Initialize variable

7. An error occurred



8. Solving the error by right configuration

The screenshot shows the Microsoft Power Automate editor interface. At the top, there are three browser tabs: "Portal offline", "Edit your flow | Power Automate", and "Start VM - salmasalam024@gmail.com". The main window title is "Edit your flow | Power Automate". The URL in the address bar is make.powerautomate.com/environments/Default-526b8ab1-b977-4460-8087-39fd2ef8859e/flows/9762ea26-587b-4e94-990f-7119531ad74.... The environment is set to "Giza Systems (default) (...)".

The flow editor displays a sequence of steps:

- A trigger: "When a new email arrives (V3)".
- An action: "Initialize variable". The variable name is "EmailBodyContent" (Type: String, Value: Body).

On the left side, under "Parameters", the "Name" is "EmailBodyContent", "Type" is "String", and "Value" is "Body".

The system tray at the bottom shows the date and time as "10/31/2024 2:31 AM".

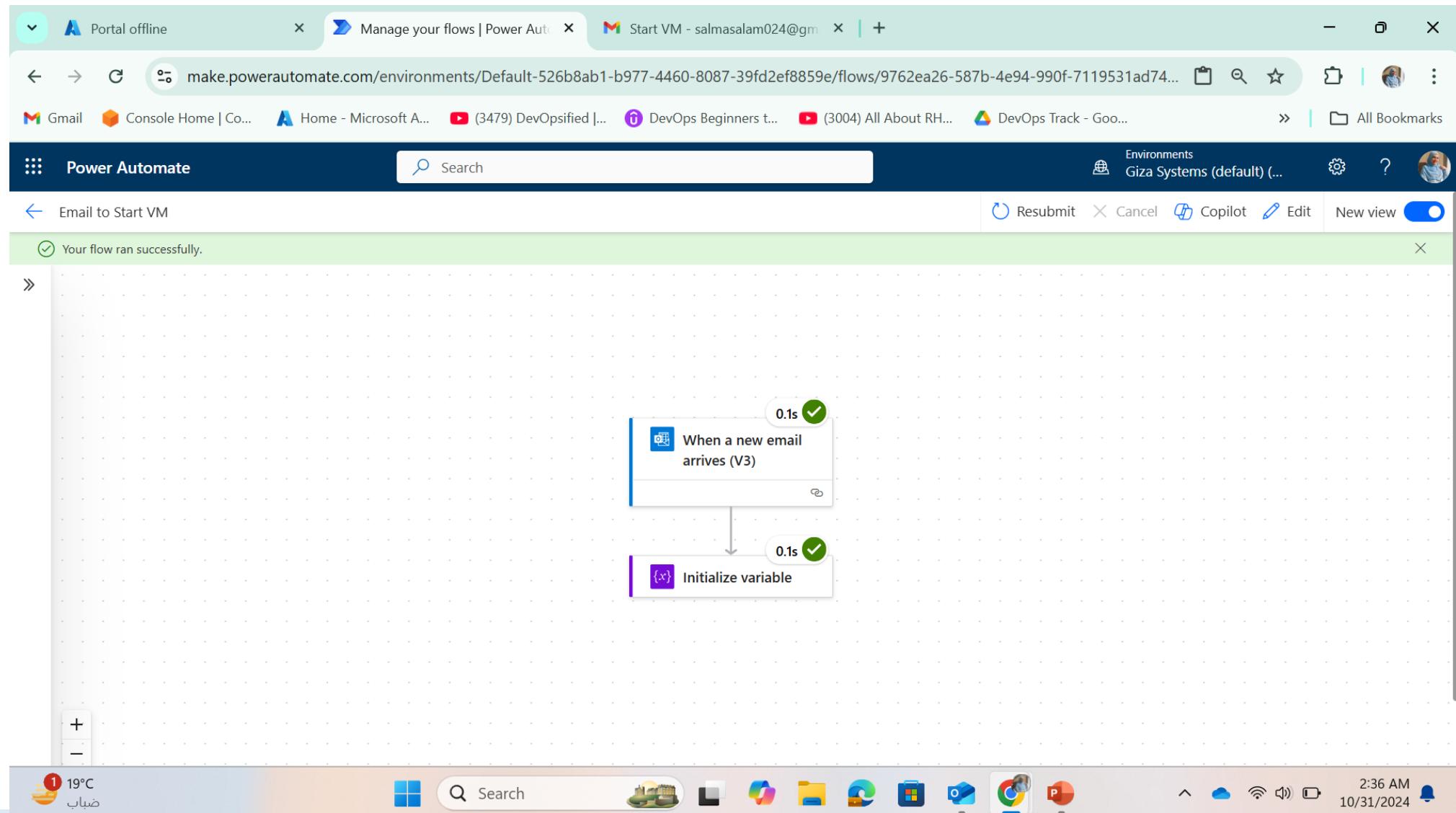
9. Flow successfully running

The screenshot shows the Microsoft Power Automate interface for managing flows. The top navigation bar includes tabs for 'Portal offline', 'Manage your flows | Power Automate', and 'Start VM - salmasalam024@gm'. The main content area displays a flow card for a flow named 'Start VM'. The card details the primary owner as Salma Salah AbouElNaga, created on Oct 30, 11:18 PM, and modified on Oct 30, 11:32 PM. The flow is categorized as 'Automated' and runs on the owner's plan. Below the card is a '28-day run history' table:

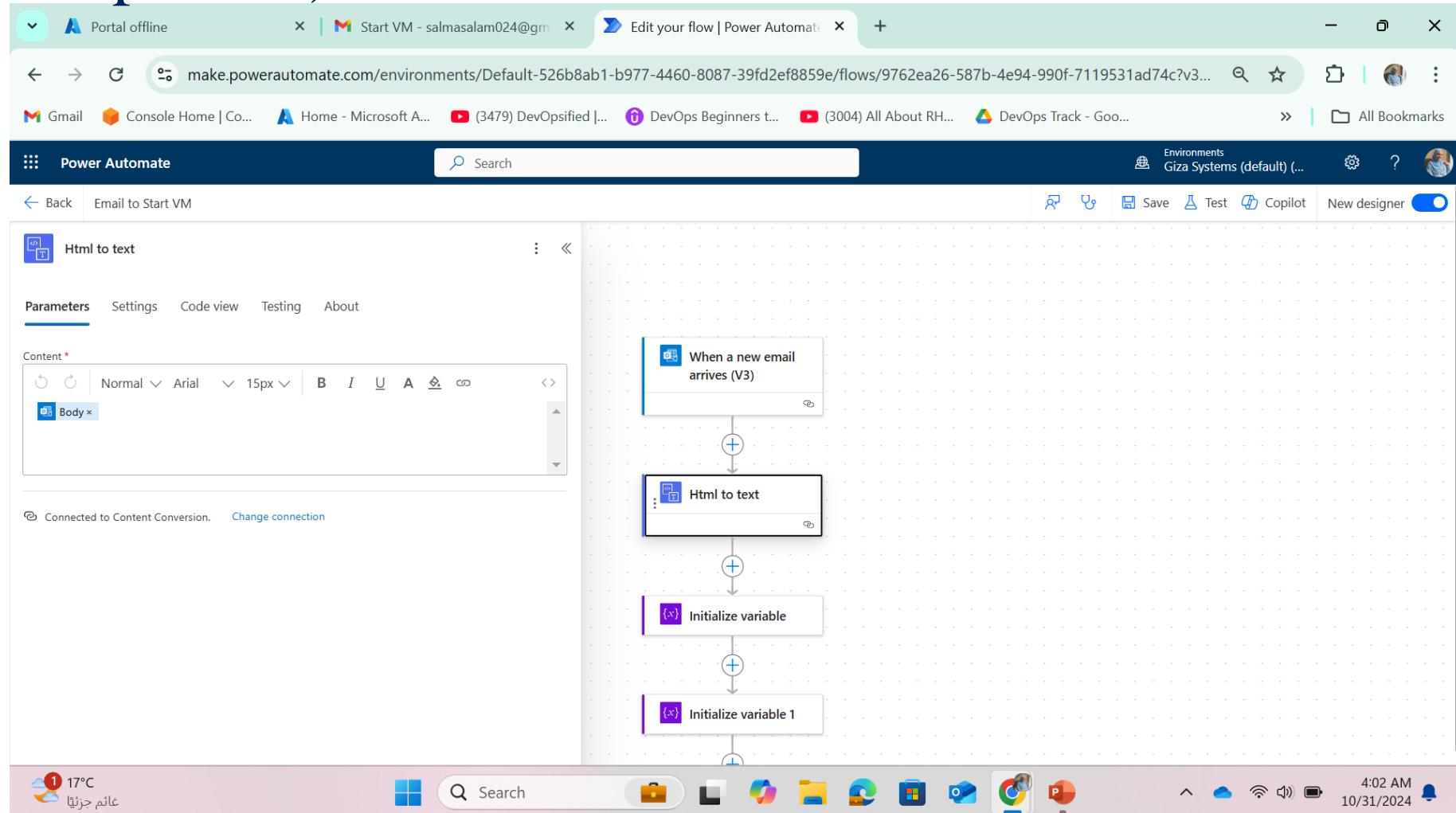
Start	Duration	Status
Oct 30, 11:34 PM (1 min ago)	188 ms	Succeeded
Oct 30, 11:25 PM (10 min ago)	94 ms	Failed

On the right side of the page, there are sections for 'Co-owners' (Salma Salah AbouElNaga), 'Process mining (preview)' (average run duration: 141 ms), and 'Associated apps and flows' (none found). The left sidebar contains links for Home, Create, Templates, Learn, My flows, Approvals, Solutions, Process mining, AI hub, Automation center (preview), Desktop flow activity, and Ask a chatbot. The bottom of the screen shows a taskbar with various icons and system status.

9. Flow successfully running



10. Adding an action to convert HTML in incoming email to text so would be able to parse the email and extract the (VMName) and (ResourceGroupName)



11. Initialize variable to store email body from output of previous action (HTML to TXT)

The screenshot shows the Microsoft Power Automate flow editor interface. The flow consists of the following steps:

- When a new email arrives (V3)
- Html to text
- Initialize variable (Name: EmailBodyContent, Type: String, Value: The plain text content)
- Initialize variable 1

The "Initialize variable" step is highlighted with a purple border. On the left, the "Initialize variable" configuration pane is open, showing the parameters:

- Name: EmailBodyContent
- Type: String
- Value: The plain text content

12. Initialize variable to parse by expression and store the (VMName)

The screenshot shows the Microsoft Power Automate interface for creating a flow. On the left, a modal window titled '{x} Initialize variable 1' is open, displaying parameters for initializing a variable named 'VMName' of type 'String'. The main workspace on the right shows a sequence of four 'Initialize variable' actions connected by arrows. The first action initializes 'VMName'. The second action, also named 'Initialize variable 1', has its value set to the output of the first action. The third action, 'Initialize variable 2', has its value set to the output of the second action. This creates a loop where 'Initialize variable 1' is called twice. The Power Automate ribbon at the top includes tabs for 'Power Automate', 'Search', 'Environments' (set to 'Giza Systems (default)'), and 'Copilot'. The status bar at the bottom shows system information like battery level, signal strength, and the date/time.

12. Initialize variable to parse by expression and store the (VMName)

The screenshot shows the Microsoft Power Automate designer interface. The top navigation bar includes tabs for 'Portal offline', 'Edit your flow | Power Automate', and 'Start VM - salmasalam024@gmail.com'. Below the navigation is a toolbar with icons for back, forward, search, and other functions. The main workspace displays a flow diagram:

```
graph TD; A[When a new email arrives V3] --> B{Initialize variable}; B --> C{Initialize variable 1}
```

The 'Initialize variable' step (B) has its parameters configured as follows:

- Name ***: VMName
- Type ***: String
- Value**: `f# trim(...)`

The 'Initialize variable 1' step (C) is currently empty.

The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

13. Initialize variable to parse by expression and store the (ResourceGroupName)

The screenshot shows the Microsoft Power Automate editor interface. The top navigation bar includes tabs for 'Portal offline' and 'Edit your flow | Power Automate'. The address bar displays the URL for creating a new flow. The main header has a search bar and various navigation icons. On the left, a sidebar for the 'Initialize variable 2' step is open, showing parameters: Name (ResourceGroupName), Type (String selected), and Value (Enter initial value). The main workspace displays a vertical sequence of four 'Initialize variable' steps. The first three steps have '+' icons to their right, indicating they can be expanded or modified. The fourth step, 'Initialize variable 2', has a blue '+' icon below it, suggesting it is the current step being edited.

13. Initialize variable to parse by expression and store the (ResourceGroupName)

The screenshot shows the Microsoft Power Automate designer interface. On the left, a sidebar displays the parameters for an 'Initialize variable 2' action. The parameters are:

- Name: ResourceGroupName
- Type: String
- Value: `fx trim(...)`

The main workspace shows a vertical sequence of four 'Initialize variable' actions, each with a plus sign icon below it for cloning:

```
graph TD; A[Initialize variable 2] --> B[Initialize variable]; B --> C[Initialize variable 1]; C --> D[Initialize variable 2]
```

The Power Automate ribbon at the top includes tabs for Home, Flows, Data, and More. The status bar at the bottom indicates the date and time as 10/31/2024 2:56 AM.

14. Testing the work flow and check that it's successfully running and is triggered by the email and parameters are successfully parsed and stored in two variables one for VMName and another for ResourceGroupName

The screenshot shows the Microsoft Power Automate interface. At the top, there are three tabs: "Portal offline", "Start VM - salmasalam024@gmail.com", and "Manage your flows | Power Automate". The main area displays a flow titled "Email to Start VM". The flow consists of the following steps:

- "When a new email arrives (V3)" (0.1s)
- "Html to text" (0.4s)
- "Initialize variable" (0.1s) - Variable name: {x}
- "Initialize variable 1" (0s)
- "Initialize variable 2" (0s)

A message box indicates: "Your flow ran successfully." The status bar at the bottom shows the date and time as 10/31/2024 4:03 AM.

15. Adding an Action to integrate with logic apps to send HTTP request to the Webhook URL of the logic apps

The screenshot shows the Microsoft Power Automate interface with a flow titled "Email to Start VM". The flow starts with a trigger "When a new email arrives (V3)", followed by an action "Html to text", and then three sequential actions all labeled "{x} Initialize variable". The "Initialize variable" actions are connected sequentially. On the left, a modal window titled "Add an action" is open, showing search results for "http". The results include "HTTP (In-app)" (selected), "HTTP", "HTTP + Swagger", "HTTP Webhook", "HTTP With Microsoft Entra ID (Premium)", "Invoke an HTTP request (Premium)", and "HTTP with Microsoft Entra ID (preauthorized)". The Power Automate interface includes a toolbar at the top with tabs like "Edit your flow | Power Automat...", "Search", "Save", "Test", "Copilot", and "New designer". The bottom of the screen shows a taskbar with various icons and system status.

15. Configure the action to send the variables parsed from the email body and stored

The screenshot shows the Microsoft Power Automate interface for creating a flow. On the left, there is a sidebar for the 'HTTP' trigger, which includes fields for URI, Method (set to POST), Headers (Content-Type: application/json), and Body. The Body field contains a JSON object with two variables: VMName and ResourceGroupName. On the right, the main canvas displays a flow starting with an 'Initialize variable 1' step, followed by an 'Initialize variable 2' step, and finally an 'HTTP' action step.

HTTP Trigger Configuration:

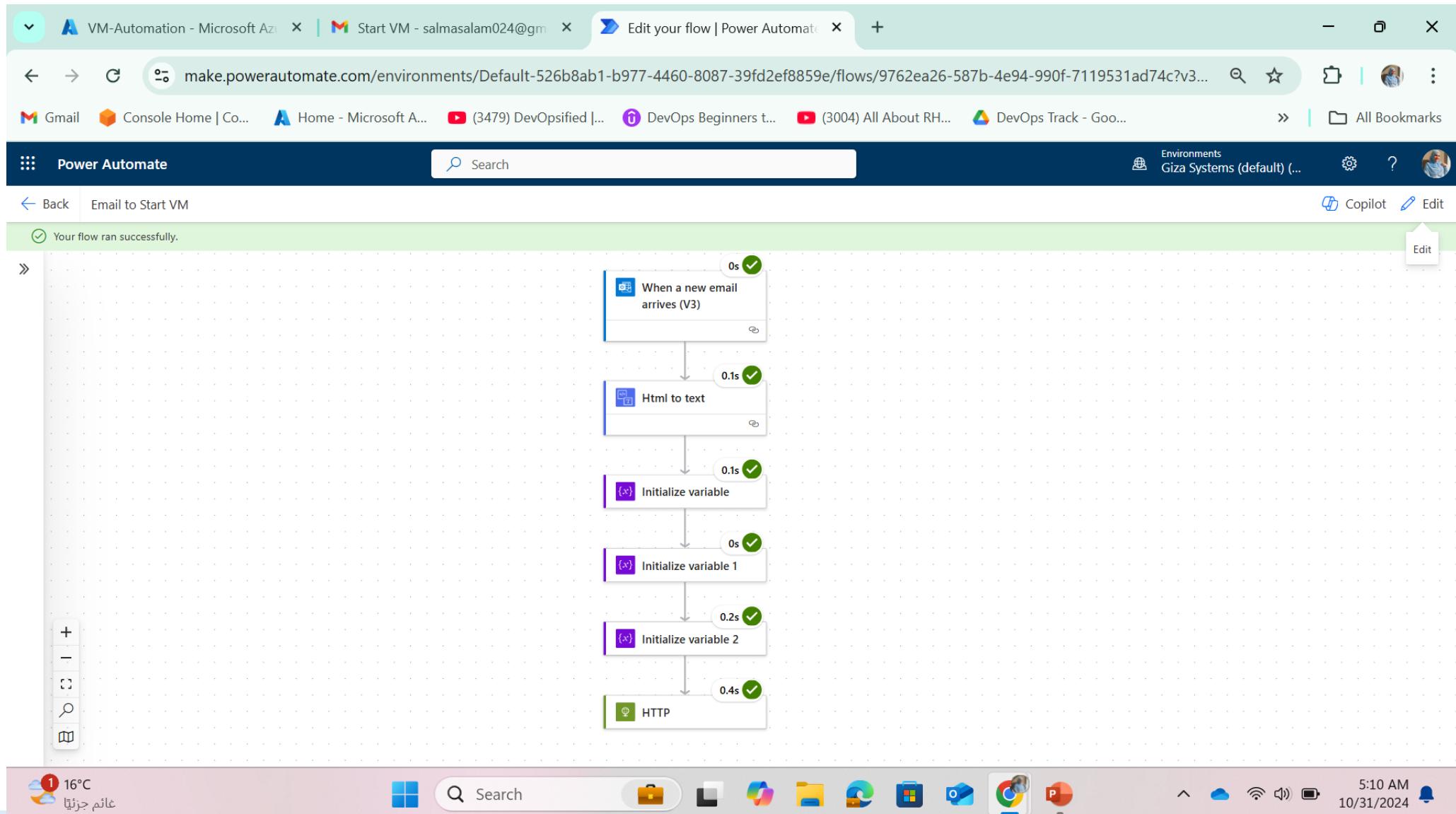
- URI:** https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/triggers/When_a_HTTP_request_is_received/actions/invoke?api-version=2016-10-01&sp=%2Ftriggers%2FWhen_a_HTTP_request_is_received%2Fun&sv=1.0&sig=AFNp1B4LUeCrVzI-9w3v99zehNwAczf7SetO7VCvLQ
- Method:** POST
- Headers:** Content-Type: application/json
- Body:**

```
{  
  "VMName": "{x} VMName x ",  
  "ResourceGroupName": "{x} ResourceGroupN... x "  
}
```

Flow Canvas:

```
graph TD  
    InitVar1{Initialize variable 1} --> InitVar2{Initialize variable 2}  
    InitVar2 --> HTTP[HTTP]  
    style InitVar1 fill:#d8b4fe  
    style InitVar2 fill:#d8b4fe  
    style HTTP fill:#d8b4fe
```

16. Testing an email and the power automate flow successfully worked and sent the HTTP request with parameters after parsing to the logic apps



17. Logic apps run history shows succeeded so the logic apps has been triggered by the http request and has started the runbook in the automation account and the runbook has started the VM

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'VM-Automation - Microsoft Az...', 'Start VM - salmasalam024@gm...', 'Edit your flow | Power Automate...', and a '+' button. Below the navigation bar is a toolbar with icons for refresh, search, and other functions. The main header displays 'Microsoft Azure' and the user's email 'salmasalam010@outlook.com'. A search bar is present above the main content area.

The main content area shows the 'VM-Automation | Run history' page for a Logic app. The left sidebar lists navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (Logic app designer, Logic app code view), Run history (selected), Versions, API connections, Quick start guides, Settings, and Workflow settings. The 'Run history' section is currently active.

The 'Run history' table displays two successful runs:

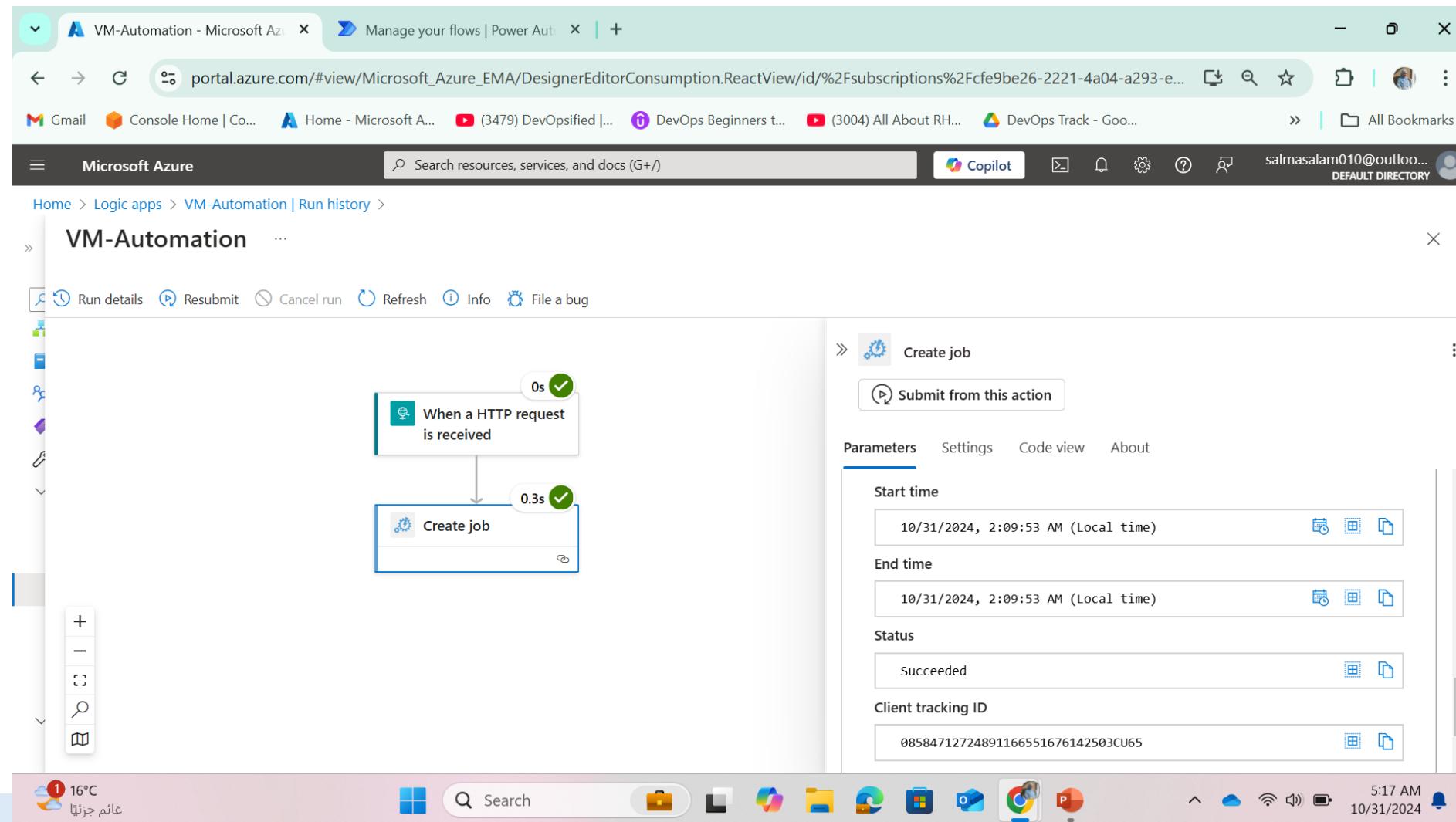
Status	Start time	Identifier	Duration	Static Results
Succeeded	10/31/2024, 2:09 AM	085847126629253672782438514...	464 Milliseconds	
Succeeded	10/30/2024, 12:28 AM	085847135878255948983610967...	501 Milliseconds	

The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

17. Logic apps run history shows succeeded so the logic apps has been triggered by the http request and has started the runbook in the automation account and the runbook has started the VM

The screenshot displays the Microsoft Azure portal interface. The main focus is the "Run history" section for a Logic app named "VM-Automation". The sidebar on the left lists various options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Development Tools (Logic app designer, Logic app code view), Run history (which is selected and highlighted in blue), Versions, API connections, Quick start guides, Settings, and Workflow settings. The main content area shows two successful runs. The first run, starting at 10/31/2024, 2:09 AM, took 464 Milliseconds. The second run, starting at 10/30/2024, 12:28 AM, took 501 Milliseconds. Both runs triggered the "When a HTTP request is received" step and the "Create job" step. The "Run history" section includes filters for Start time (All, Pick a date, Pick a time) and a search bar for identifier filtering. Above the run history, there's a "VM-Automation" blade showing basic details and a "Run details" button. The top of the browser window shows multiple tabs: "VM-Automation - Microsoft Az...", "Start VM - salmasalam024@gm...", "Edit your flow | Power Automat...", and others. The status bar at the bottom shows system icons like battery level, signal strength, and a clock indicating 5:11 AM on 10/31/2024.

17. Logic apps run history shows succeeded so the logic apps has been triggered by the http request and has started the runbook in the automation account and the runbook has started the VM



17. Logic apps run history shows succeeded so the logic apps has been triggered by the http request and has started the runbook in the automation account and the runbook has started the VM

The screenshot shows a Microsoft Edge browser window with three tabs open:

- Logic app run details - Microsoft
- Start VM - salmasalam024@gmail.com
- Edit your flow | Power Automate

The main content area displays the "Logic app run details" for a run with ID 08584712662925367278243851496CU54. The run was triggered by the trigger "When a HTTP request is received". The Outputs Link is provided: <https://prod-82.eastus.logic.azure.com:443/workflows/52bb5bb624a44208adac494ba55db2c2/runs/08584712662925367278243851496CU54/contents/TriggerOutputs?api-version=2016-10-01&se=2024-10-31T06%3A00%3A00.000000Z&sp...>.

Details section:

- Start date: Thursday, October 31, 2024 at 5:09:52 AM
- End date: Thursday, October 31, 2024 at 5:09:53 AM
- Correlation Id: 08584712724891166551676142503CU65

Outputs section:

- No outputs

The browser's address bar shows the URL: portal.azure.com/#view/Microsoft_Azure_EMA/WorkflowRunBlade/id/%2Fsubscriptions%2Fcfe9be26-2221-4a04-a293-e5545b127bb2%2Fre...

The system tray at the bottom right shows the date and time as 5:11 AM, 10/31/2024.

17. Logic apps run history shows succeeded so the logic apps has been triggered by the http request and has started the runbook in the automation account and the runbook has started the VM

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Logic app run details - Microsoft', 'Start VM - salmasalam024@gmail.com', 'Edit your flow | Power Automate', and 'StartVM (StartVM/StartVM) - Microsoft'. The main content area displays the 'StartVM (StartVM/StartVM)' runbook details. The left sidebar contains sections for Overview, Activity log, Tags, Diagnose and solve problems, Resources (Jobs, Schedules, Webhooks), Runbook settings (Properties, Description, Logging and tracing), Settings, and Locks. The right panel shows the 'Essentials' section with details like Resource group: Automation, Account: StartVM, Location: East US 2, Subscription: Azure for Students, Subscription ID: cfe9be26-2221-4a04-a293-e5545b127bb2, Status: Published, Runbook type: PowerShell, Runtime version: 7.2, and Last modified: 10/30/2024, 3:00 AM. It also shows a 'Tags (edit)' section with 'Add tags'. Below this is a 'Recent Jobs' table with two entries: one completed job from 10/31/2024, 2:09:53 AM, and another completed job from 10/30/2024, 12:28:23 AM. The bottom of the screen shows the Windows taskbar with various pinned icons and system status indicators.

Github repo