Create an automation account for scheduling the Resource in the given date time scenario.

Problem Statement:

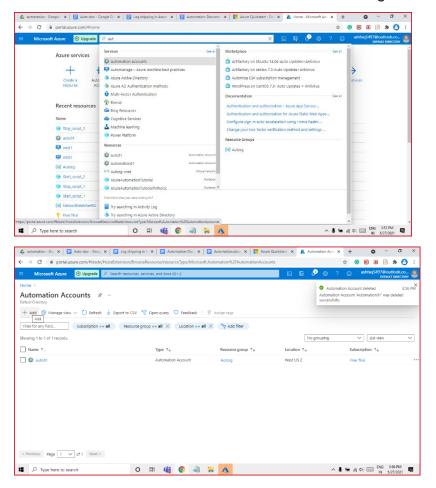
Create an automation account for scheduling the resources for a custom time

QuickStart's

Create Automation account

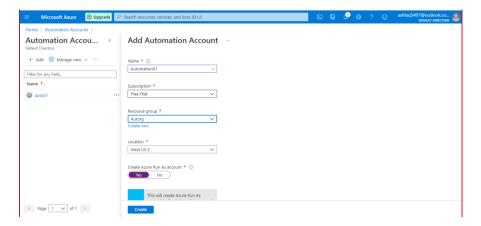
Step1:

You can create an Azure Automation account through Azure, using the Azure portal,

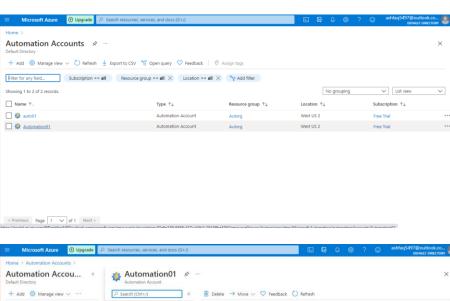


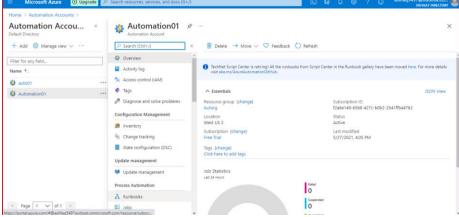
#### Step2:

Enter the account information, including the selected account name. For **Create Azure Run As account**, choose **Yes** so that the artifacts to simplify authentication to Azure are enabled automatically. When the information is complete, click **Create** to start the Automation account deployment.



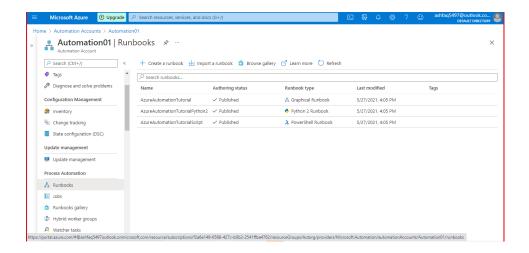
Select **Automation Accounts** and then choose the Automation account you have created.





Step3: Create an Azure Automation runbook

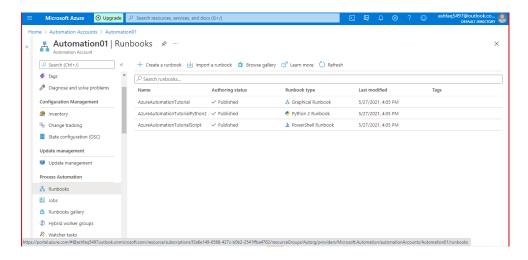
Click **Runbooks** under **Process Automation**. The list of runbooks is displayed. By default, several tutorial runbooks are enabled in the account.



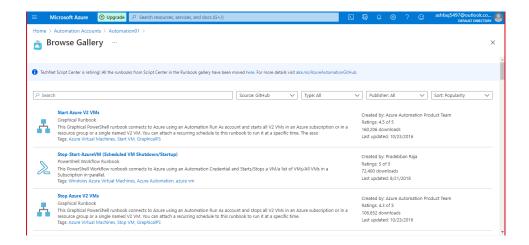
### Create the runbook.

#### We Have 3 Options.

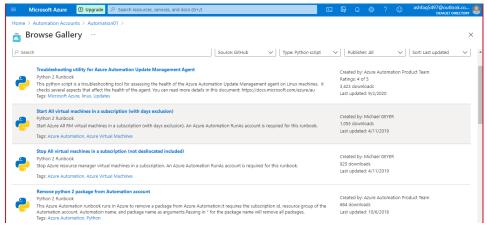
- Create a new runbook. Write your own custom code.
- Import if we have one already.
- Browser gallery and get ready made runbooks.



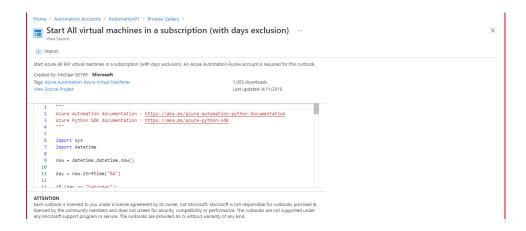
Step4: For this demo will get a runbook from Browser gallery.

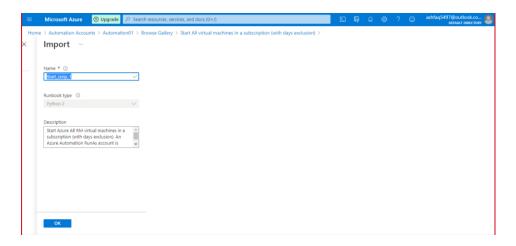


1.In this demo will be test on VM Resource Start & Stop import the Start VM runbook and stop VM runbook

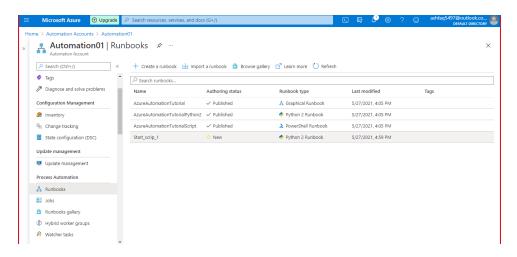


Click on import give a name Start\_scrip\_1

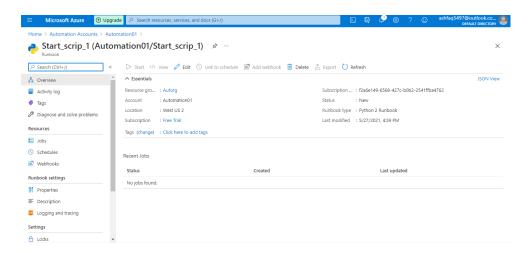




Step5: As we click on ok it will create a runbook Once the runbook is created, you must test the runbook to validate that it works. Open the runbook

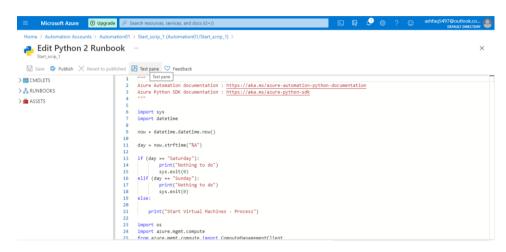


#### Click on Edit pan in this runbook

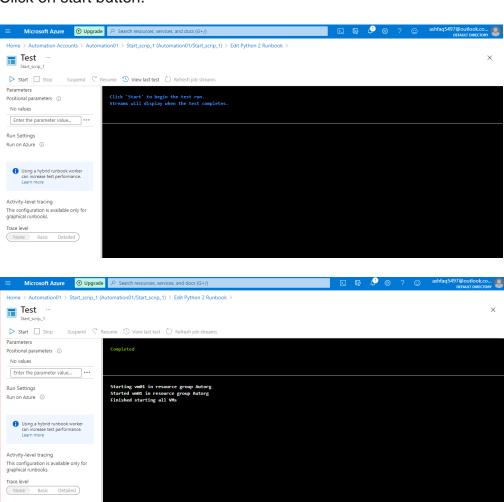


Click **Test pane** to open the Test pane.

. The test job starts and the job status and output display.



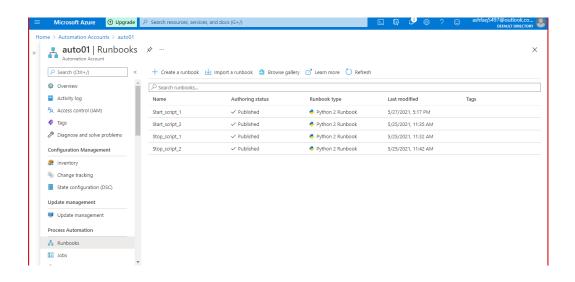
Click on start button.



After the test is completed correctly click on publish button

Now we must create four runbooks two runbooks for start and two runbooks for stop.

With this name I have created: Start\_scrip\_1, Stop\_script\_1, Start\_scrip\_2, Stop\_script\_2



! Test all 4 runbooks before publishing.

Click on publish before scheduling this runbooks

```
Microsoft Azure 
⊕ Upgrade 

✓ Search resources, services, and docs (G+/
                            unts > auto01 > Start_script_1 (auto01/Start_script_1) >
  Edit Python 2 Runbook
  1 #!/usr/bin/env python2
> 

CMDLETS
> 🚣 RUNBOOKS
                                               3 Starts Azure resource manager virtual machines in a subscription.
> 🚔 ASSETS
                                               5 This Azure Automation runbook runs on Azure to start Azure vms in a subscription.
                                              6 If no arguments are specified, then all VMs that are currently stopped are started.
7 If a resource group is specified, then all VMs in the resource group are started.
8 If a resource group and VM are specified, then that specific VM is started.
                                                         groupname (-g) - Resource group name.
                                                       vmname (-v) - virtual machine name
                                              13
14
15
                                                       Starts the virtual machines
                                                         start_azure_vm.py -g <resourcegroupname> -v <vmname>
start_azure_vm.py -g <resourcegroupname>
start_azure_vm.py
                                              20
21
22
                                                   Changelog:
2017-09-11 AutomationTeam:
-initial script
```

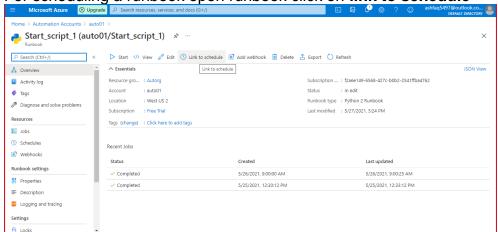
### Schedule Pattern

## Step:6

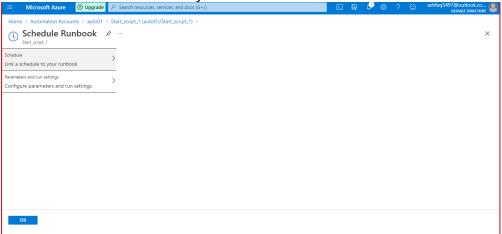
Start\_script\_1. Start Time: - 9:00 AM

This script will run at 9:00 Am everyday excluding Sunday & Saturday. Execution date is from 3 to 28 of every month.

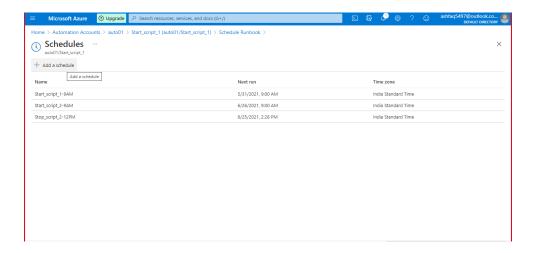
For scheduling a runbook open runbook click on link to schedule



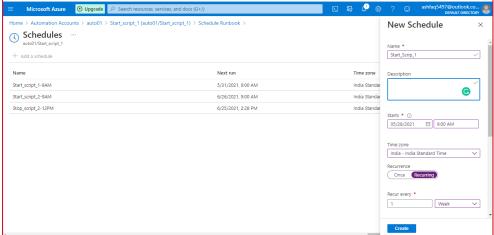
Click on Link a schedule to your runbook



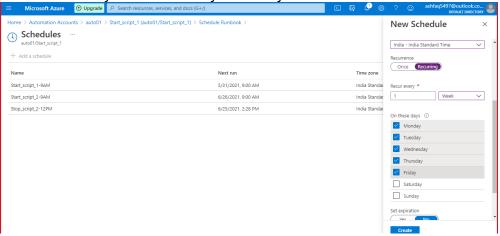
+Add a Schedule



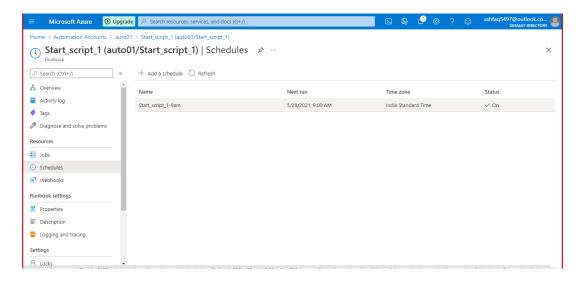
Name: start\_scrip\_1 Start time will be 9 Am and select Recurring 1 week



Select weekdays from Monday to Friday and click on create button



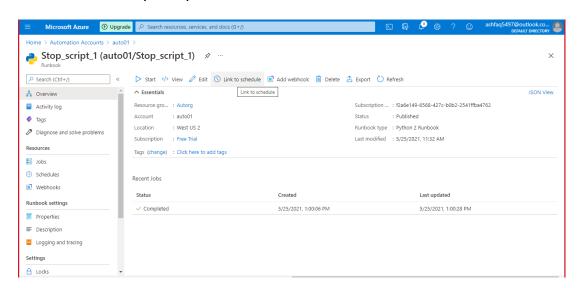
You can see the above schedule from Resources select Schedules.

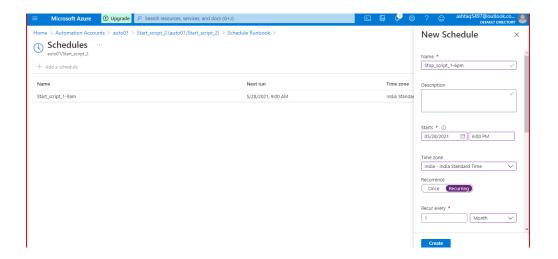


Now that we have created Schedule for start\_scrip1 will be creating scheduler for rest 3 more script runbook. Scheduler Recurring will be different for each script

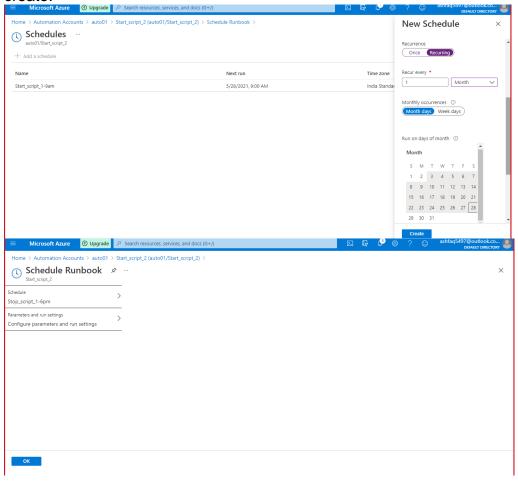
#### Step7:

### Will Schedule Stop\_script\_1

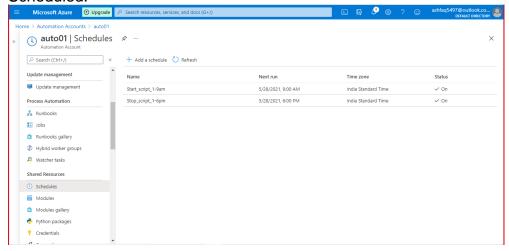




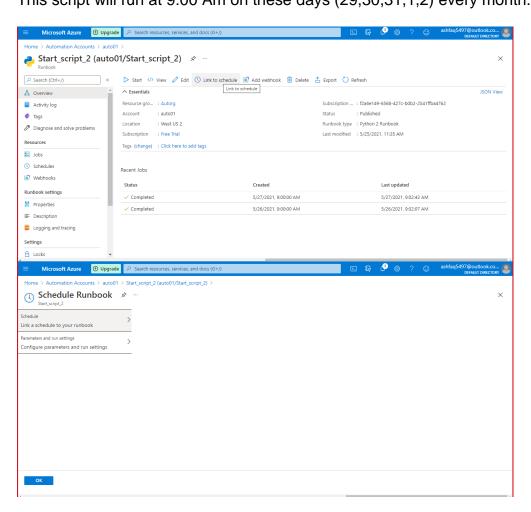
Select Recurring as months and select the days 3 to 28 same as given in picture and create.

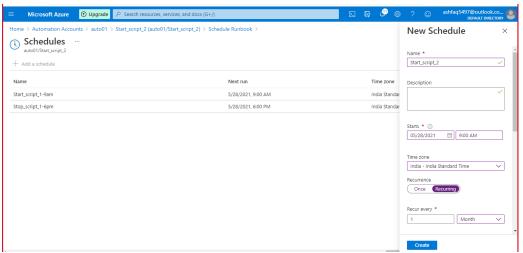


All the Scheduled you can see in the automation account Shared Resources -> Scheduled.

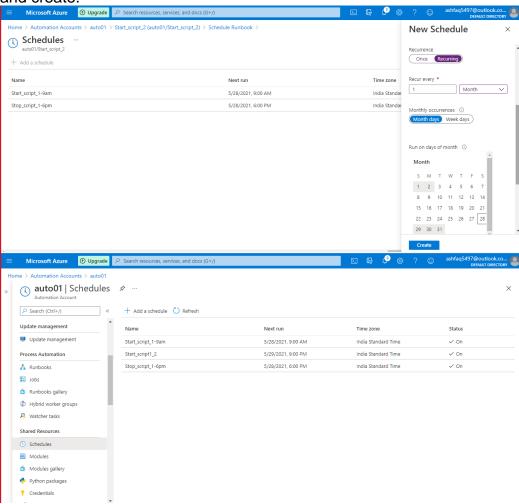


## Step8: Start\_script\_2. Start Time: - 9:00 AM This script will run at 9:00 Am on these days (29,30,31,1,2) every month.





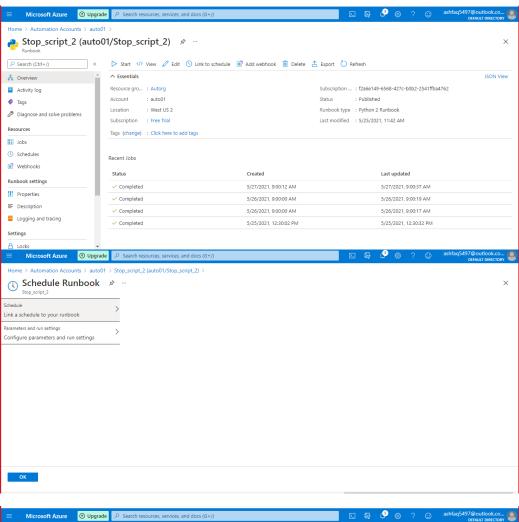
Select Recurring as months and select the days (29,30,31,1,2) same as given in picture and create.

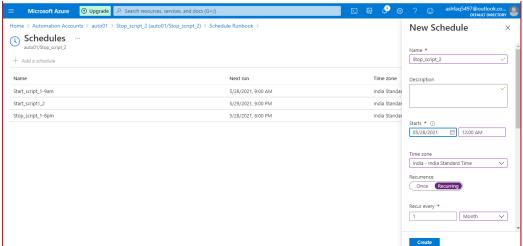


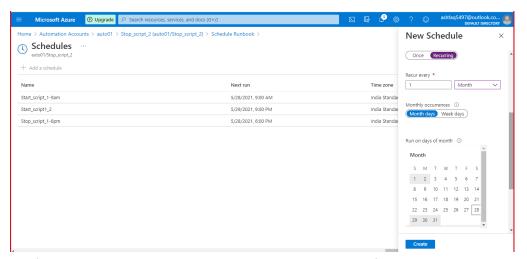
## Step9:

Stop\_script\_2. Stop Time: - 12:00 AM

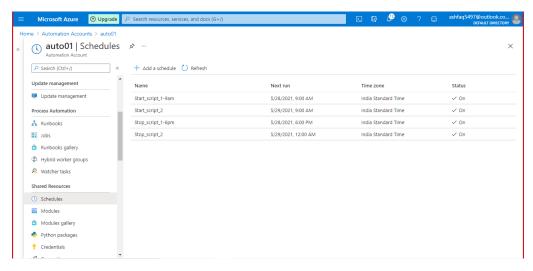
This script will run at 12:00 Am on these days (29,30,31,1,2) every month.





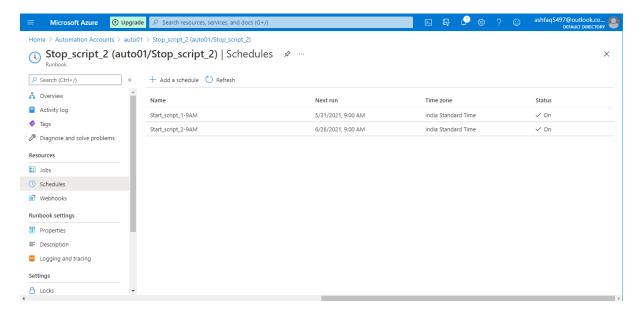


All four Runbook are now scheduled you can seen from automation account left panel go to Shared Resources > scheduler



# **Testing**

 We have run the two-start script simultaneously, first will run on the basic of weekdays while second will run based on month's date, hence there is no chance of clash or failure of script. As shown on below image: -



Below image shows the testing result of all the event based on hour as well as based on days.

