

PowerShell Runbook to list out Azure Resources Settings

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VARIABLES DESCRIPTION

Variables:

1. storageaccount: Destination Storage account name in which output file should be uploaded.
2. storageaccountrg: Resource Group name for above storage account.
3. container: Destination container.

Example:

\$storageaccount = "storage1248765"

\$storageaccountrg = "test-rg"

\$container = "az-resource-settings"

PRE-REQUISITES

1. Azure Automation Account should be created with Run as Account.
Follow below document and refer screenshot if Automation account is not already created.

<https://docs.microsoft.com/en-us/azure/automation/automation-create-standalone-account>

<https://docs.microsoft.com/en-us/azure/automation/create-run-as-account>

Home > Automation Accounts >

Add Automation Account

Name * ⓘ
test-automationaccount ✓

Subscription *
Free Trial ▼

Resource group *
amjad ▼
[Create new](#)

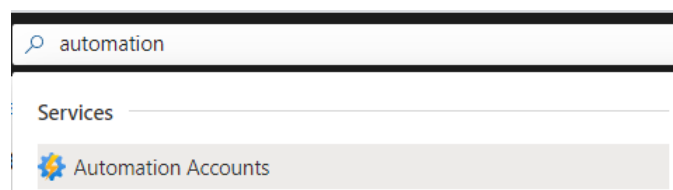
Location *
East US 2 ▼

Create Azure Run As account * ⓘ
☒ Yes ☐ No

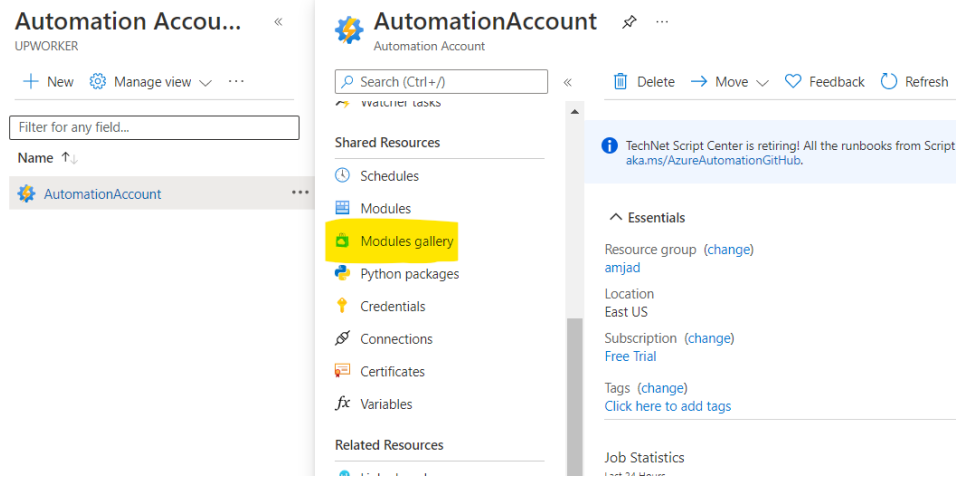
i This will create Azure Run As account in the Automation account which are useful for authenticating with Azure to manage Azure resources from Automation runbooks. Note that the creation of Azure Run As account may affect the security of the subscription. [Learn more](#)

Create

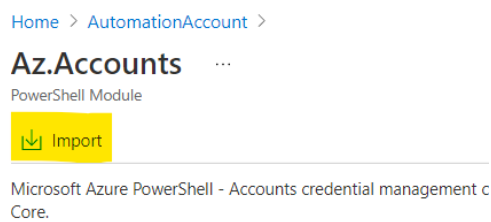
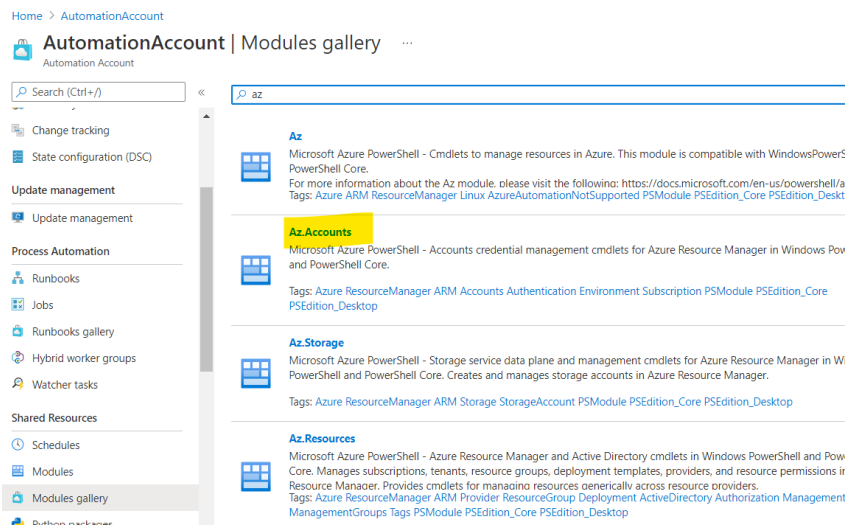
2. Go to Azure Portal and search for Automation Account.



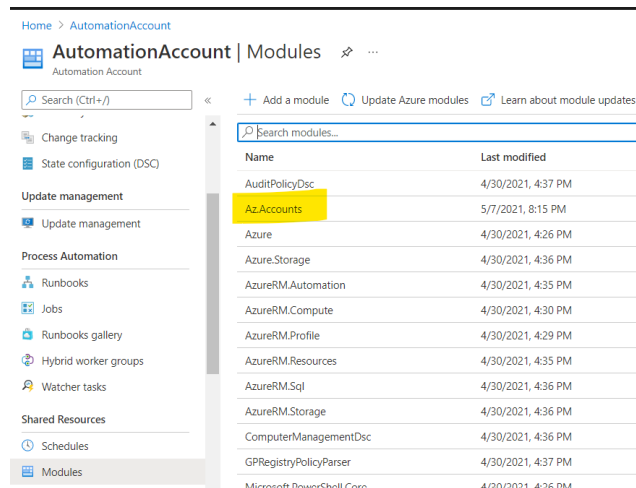
3. Open your Automation Account and go to Module Gallery.



4. Search for Az and select Az.Accounts > Import it.

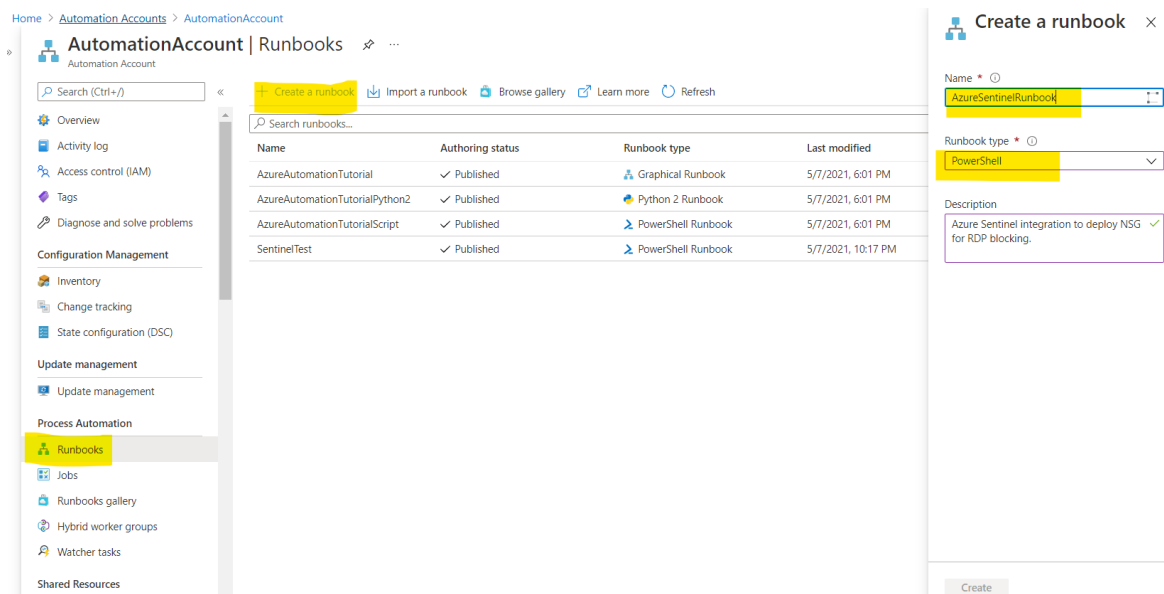


5. Wait for few minutes to complete the import.
6. Repeat steps 2 to 5 for below modules too.
 - a. Az.Comput
 - b. Az.Network
 - c. Az.Resource
 - d. Az.Storage
 - e. Az.KeyVault
 - f. Az.Sql
 - g. Az.Websites
 - h. Az.CosmosDB
7. Once import is completed then validate all the installed modules should be available in Modules tab.



CREATE AZURE RUNBOOK

1. Go to Automation Account and select Runbooks > click on Create a runbook and provide below details.



Name: Runbook name (you can choose whatever you want)

Runbook type: PowerShell

Description: Whatever you want.

2. Once Runbook created, it will redirect you to the Edit windows.
3. Copy and paste code from PowerShell file into it.
4. Change Storage Account parameters in below section of script.

```
#-----Storage Account Information-----#

$storageaccount = "amjstorage124"
$storageaccountrg = "amjad"
$container = "az-resource-settings"
```

5. Click on Save and then Publish.

Edit PowerShell Runbook* ...
AzureSentinelRunbook

Save Publish Revert to published Test pane Feedback

CMDLETS
RUNBOOKS
ASSETS

```
1 Param
2 (
3   [Parameter (Mandatory= $true)]
4   [String] $virtualmachine
5 )
6
7 $connectionName = "AzureRunAsConnection"
8 $servicePrincipalConnection=Get-AutomationConnection -Name $connectionName
9 "Logging in to Azure..."
10 Add-AzAccount `
11     -ServicePrincipal `
12     -TenantId $servicePrincipalConnection.TenantId `
13     -ApplicationId $servicePrincipalConnection.ApplicationId `
14     -CertificateThumbprint $servicePrincipalConnection.CertificateThumbprint
15
```

6. Repeat the same above steps for all other PowerShell file and create individual runbook for the same.