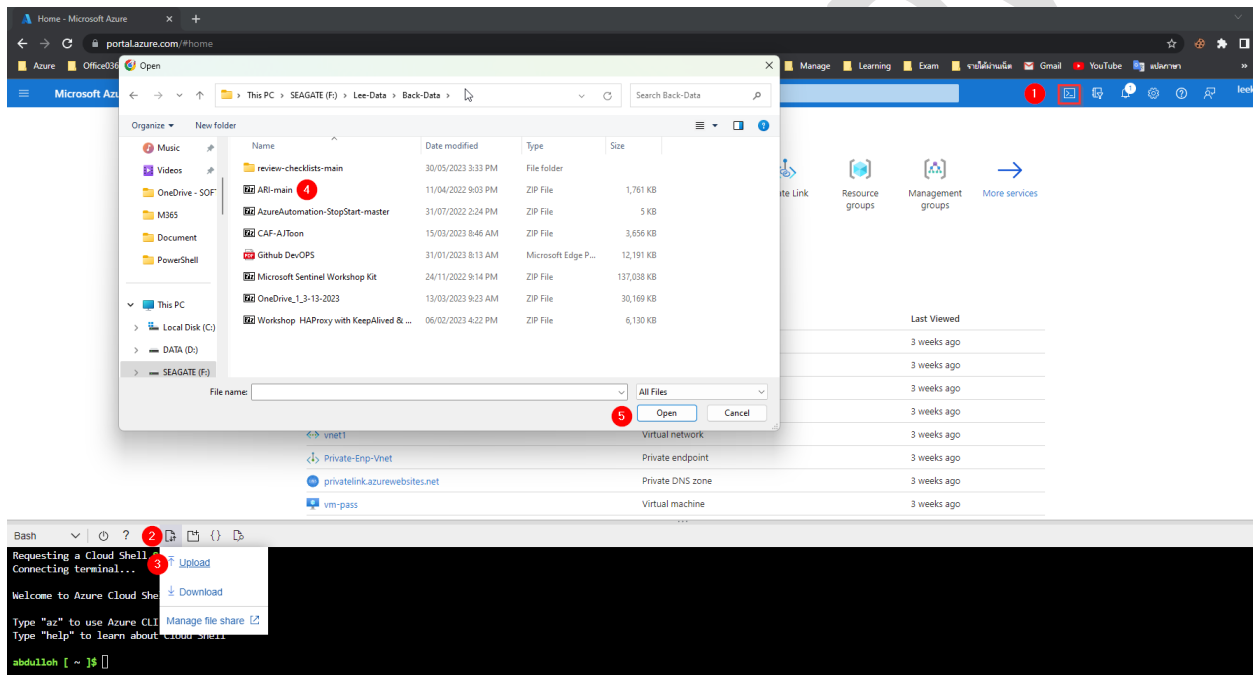


## How to run PowerShell script to get resources on Azure

Role : Owner or Contribution on subscriptions

1. Sign-in Azure portal > click cloud shell
2. Select the tab menu
3. Select upload.
4. Select file script type .zip file
5. Click Open to upload script to Azure storage



6. Input command: "ls" ( for get the resource on the path )
7. Unzip file script with command unzip ARI-main.zip

```
Bash
Type "help" to learn about Cloud Shell

abdulloh [ ~ ]$ ls
ARI-main.zip clouddrive
abdulloh [ ~ ]$ unzip ARI-main.zip
Archive: ARI-main.zip
  creating: ARI-main/Automation/
  inflating: ARI-main/Automation/ARI_Automation.ps1
  creating: ARI-main/Automation/images/
  inflating: ARI-main/Automation/images/ARIAUT_Identity.png
  inflating: ARI-main/Automation/images/ARIAUT_ModuleImport.png
  inflating: ARI-main/Automation/images/ARIAUT_Modules.png
  inflating: ARI-main/Automation/images/ARIAUT_RunBook.png
  inflating: ARI-main/Automation/images/ARIAUT_RunBookScript.png
  inflating: ARI-main/Automation/images/ARIAUT_StgAcc.png
  inflating: ARI-main/Automation/images/ARIAUT_StgBlobRole.png
  inflating: ARI-main/Automation/images/ARIAUT_StgRole.png
```

8. Input "ls" command to get the resource

```
Bash
inflatng: ARI-main/Modules/Infrastructure/WrkSpace.ps1
  creating: ARI-main/Modules/Networking/
  inflating: ARI-main/Modules/Networking/AppGW.ps1
  inflating: ARI-main/Modules/Networking/AzureFirewall.ps1
  inflating: ARI-main/Modules/Networking/Frontdoor.ps1
  inflating: ARI-main/Modules/Networking/LoadBalancer.ps1
  inflating: ARI-main/Modules/Networking/NATGateway.ps1
  inflating: ARI-main/Modules/Networking/NetworkSecurityGroup.ps1
  inflating: ARI-main/Modules/Networking/PrivateDNS.ps1
  inflating: ARI-main/Modules/Networking/PublicDNS.ps1
  inflating: ARI-main/Modules/Networking/PublicIP.ps1
  inflating: ARI-main/Modules/Networking/ROUTETABLE.ps1
  inflating: ARI-main/Modules/Networking/TrafficManager.ps1
  inflating: ARI-main/Modules/Networking/VirtualNetwork.ps1
  inflating: ARI-main/Modules/Networking/VirtualWAN.ps1
  inflating: ARI-main/Modules/Networking/VNETGTW.ps1
  inflating: ARI-main/Modules/Networking/vNETPeering.ps1
  inflating: ARI-main/README.md
abdulloh [ ~ ]$ ls
ARI-main ARI-main.zip clouddrive
abdulloh [ ~ ]$ cd ARI-main
abdulloh [ ~/ARI-main ]$ ls
Automation AzureResourceInventory.ps1 AzureStorageInfo.ps1 CONTRIBUTING.md Extras images LICENSE Modules README.md
```

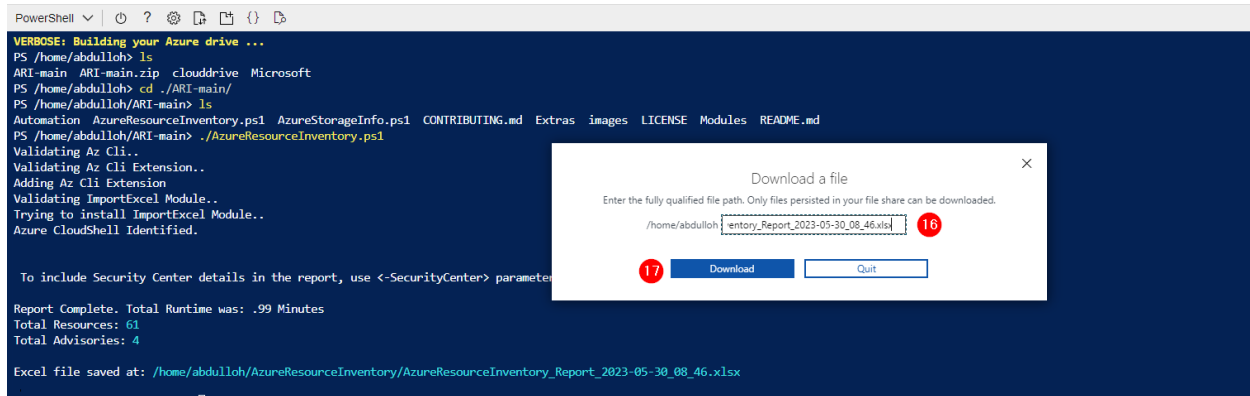
9. Switch the PowerShell command tab
10. Input command "ls" for get resource
11. Input the command "cd ./ARI-main" ( folder unzip ) to get to the path
12. Input the command "ls" for get resources in path
13. Input command ". ./AzureResourceInventory.ps1 "to get resource and export to excel file

The screenshot shows the Azure Cloud Shell interface. The terminal output includes: "Requesting a Cloud Shell.Succeeded. Connecting terminal...", "MOTD: Azure Cloud Shell now includes Predictive IntelliSense! Learn more: https://aka.ms/CloudShell/IntelliSense", "VERBOSE: Authenticating to Azure ...", and a survey link. The PowerShell prompt shows the user running "ls" (step 10), "cd ./ARI-main" (step 11), "ls" (step 12), and ". ./AzureResourceInventory.ps1" (step 13). The directory listing shows files like "Automation", "AzureResourceInventory.ps1", "AzureStorageInfo.ps1", "CONTRIBUTING.md", "Extras", "images", "LICENSE", "Modules", and "README.md".

14. Path Excel file output file and copy path URL
15. Click the menu Download

The screenshot shows the continuation of the PowerShell session. The user runs ". ./AzureResourceInventory.ps1" (step 13). The terminal output shows "Validating Az Cli..", "Validating Az Cli Extension..", "Adding Az Cli Extension", "Validating ImportExcel Module..", "Trying to install ImportExcel Module..", and "Azure CloudShell Identified.". A message states: "To include Security Center details in the report, use <-SecurityCenter> parameter." The report is complete, showing "Total Runtime was: .99 Minutes", "Total Resources: 61", and "Total Advisories: 4". The final line, highlighted with a red box (step 14), is "Excel file saved at: /home/abdulloh/AzureResourceInventory/AzureResourceInventory\_Report\_2023-05-30\_08\_46.xlsx". A context menu is open over the terminal (step 15), showing "Upload", "Download", and "Manage file share" options. The "Download" option is selected.

16. Input URL Path
17. Click button download for download file.



PowerShell

```
VERBOSE: Building your Azure drive ...
PS /home/abdulloh> ls
ARI-main  ARI-main.zip  clouddrive  Microsoft
PS /home/abdulloh> cd ./ARI-main/
PS /home/abdulloh/ARI-main> ls
Automation  AzureResourceInventory.ps1  AzureStorageInfo.ps1  CONTRIBUTING.md  Extras  images  LICENSE  Modules  README.md
PS /home/abdulloh/ARI-main> ./AzureResourceInventory.ps1
Validating Az Cli..
Validating Az Cli Extension..
Adding Az Cli Extension
Validating ImportExcel Module..
Trying to install ImportExcel Module..
Azure CloudShell Identified.

To include Security Center details in the report, use <-SecurityCenter> parameter.

Report Complete. Total Runtime was: .99 Minutes
Total Resources: 61
Total Advisories: 4

Excel file saved at: /home/abdulloh/AzureResourceInventory/AzureResourceInventory_Report_2023-05-30_08_46.xlsx
```

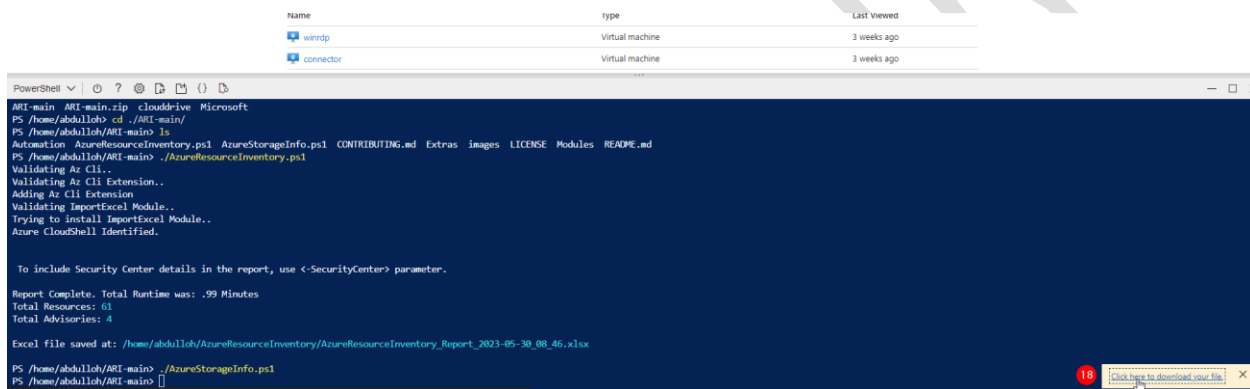
Download a file

Enter the fully qualified file path. Only files persisted in your file share can be downloaded.

/home/abdulloh/entory\_Report\_2023-05-30\_08\_46.xlsx

Download Quit

18. Click here to download for go to path save.



Name	type	Last Viewed
windp	Virtual machine	3 weeks ago
connector	Virtual machine	3 weeks ago

PowerShell

```
ARI-main  ARI-main.zip  clouddrive  Microsoft
PS /home/abdulloh> cd ./ARI-main/
PS /home/abdulloh/ARI-main> ls
Automation  AzureResourceInventory.ps1  AzureStorageInfo.ps1  CONTRIBUTING.md  Extras  images  LICENSE  Modules  README.md
PS /home/abdulloh/ARI-main> ./AzureResourceInventory.ps1
Validating Az Cli..
Validating Az Cli Extension..
Adding Az Cli Extension
Validating ImportExcel Module..
Trying to install ImportExcel Module..
Azure CloudShell Identified.

To include Security Center details in the report, use <-SecurityCenter> parameter.

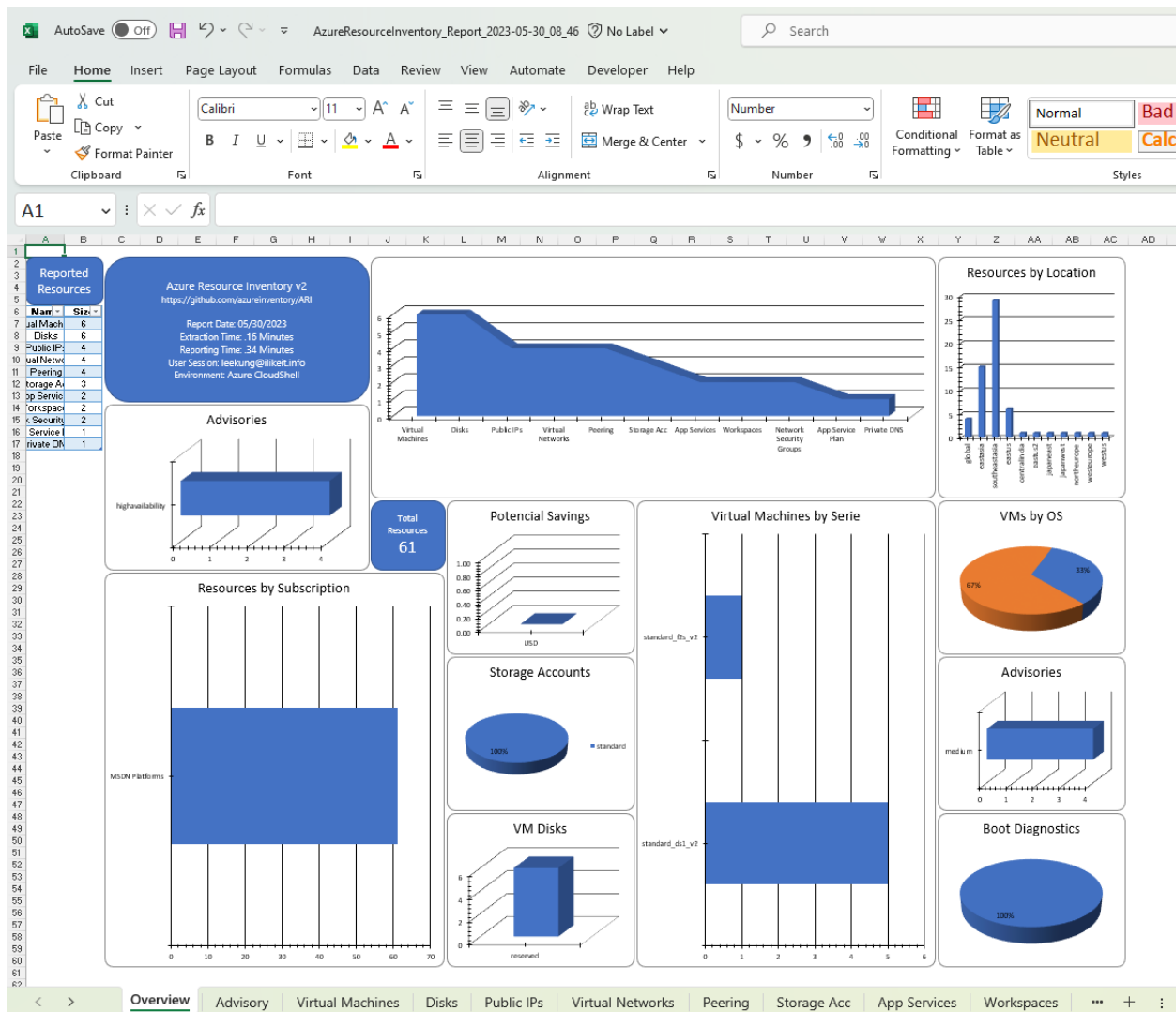
Report Complete. Total Runtime was: .99 Minutes
Total Resources: 61
Total Advisories: 4

Excel file saved at: /home/abdulloh/AzureResourceInventory/AzureResourceInventory_Report_2023-05-30_08_46.xlsx

PS /home/abdulloh/ARI-main> ./AzureStorageInfo.ps1
PS /home/abdulloh/ARI-main>
```

Click here to download your file

## Output



### Create by

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GitHub : <https://github.com/DekBaCom/>

Script : <https://github.com/DekBaCom/AzureScripts/tree/main/Get-InventoryonAzure>

Youtube Chanel : iLikeit.info

Medium : <https://medium.com/@abdulloh.eg>

Refer : <https://github.com/microsoft/ARI>

Email: [Abdulloh.eg@gmail.com](mailto:Abdulloh.eg@gmail.com)