

# Reliability Workbook

This workbook focusses on the Reliability pillar of the Azure Well-Architected Framework and provides insights into the reliability aspects deployed in Azure subscriptions.

User needs to import the Azure Monitor workbook available in this repository, the detailed instructions have been provided under Import Workbook section.

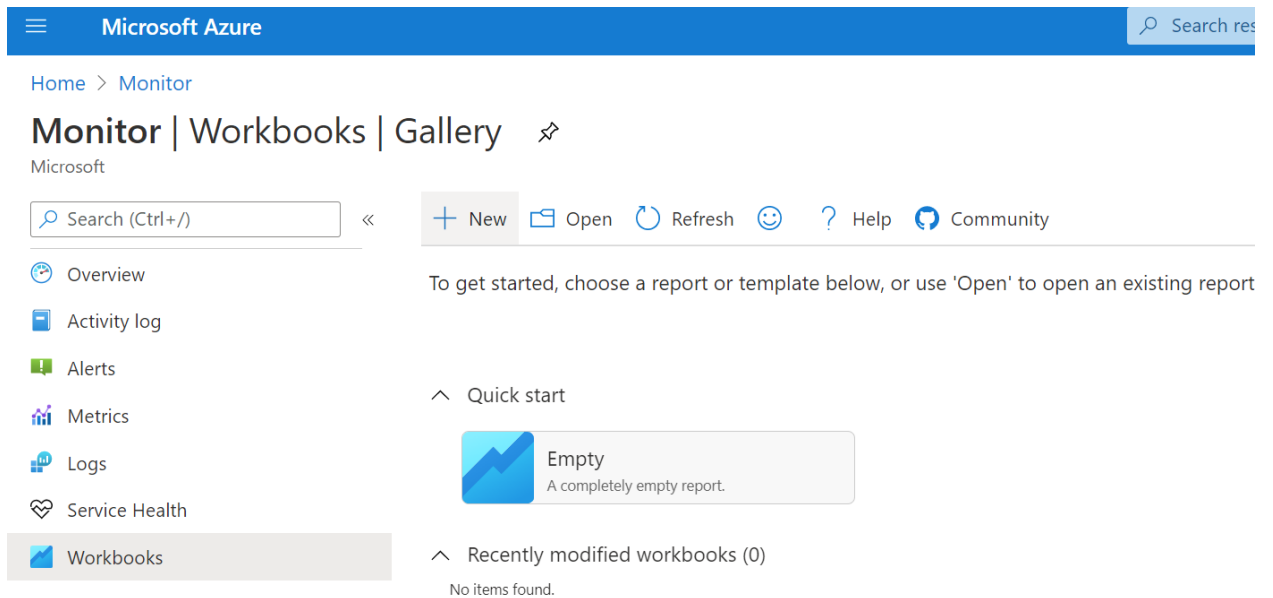
User needs to have at least [Workbook Contributor](#) access to import the workbook and [Monitoring Reader](#) to have access to monitoring information.

## Note

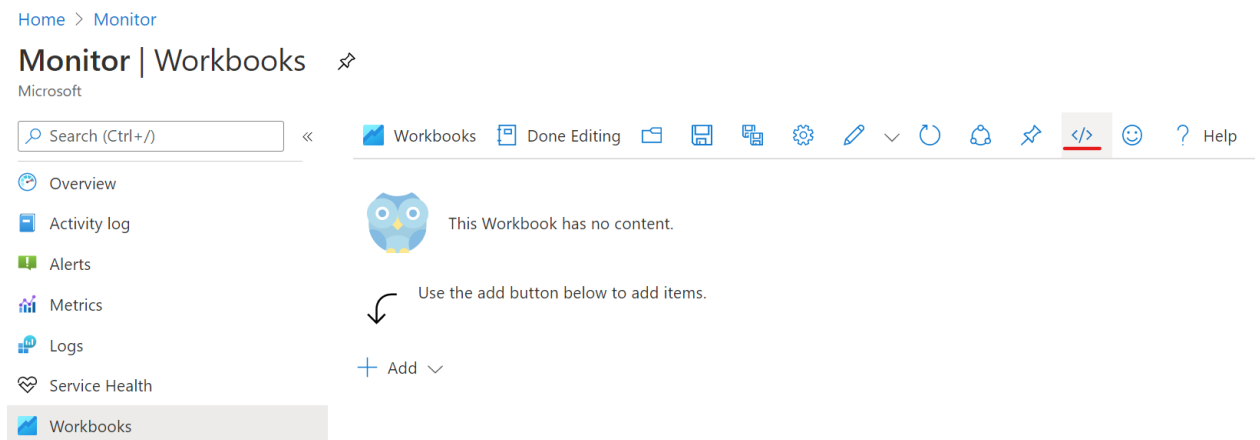
- Azure Security Center with Azure Defender is required for VM backup information.
- VMs have to be running for disk information to be available.

# Import Workbook

1. Navigate to Monitor in the Azure Portal
2. Workbooks
3. New



4. Advanced Editor (</>)



5. Paste json into Gallery Template.

Home > Monitor

## Monitor | Workbooks

Microsoft

Search (Ctrl+ /)

Overview

Activity log

Alerts

Metrics

Logs

Service Health

Workbooks

Insights

Applications

Virtual Machines

Storage accounts

Containers

Networks

Azure Cosmos DB

Key Vaults

Azure Cache for Redis

Insights Hub

Settings

Dagnostic settings

Data Collection Rules

Autoscale

Private Link Scopes

Support + Troubleshooting

Workbooks

Done Editing

Shown below is a JSON representation of the current item.  
Any changes you make here will be reflected when you press apply.

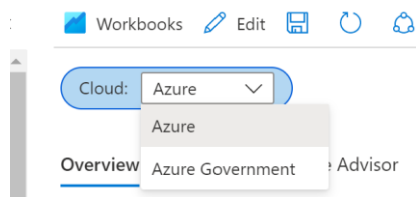
Template Type

Gallery Template

ARM Template

```
{
  "type": 12,
  "content": {
    "version": "NotebookGroup/1.0",
    "groupType": "editable",
    "items": [
      {
        "type": 9,
        "content": {
          "version": "KqlParameterItem/1.0",
          "crossComponentResources": [
            "{Subscriptions}"
          ],
          "parameters": [
            {
              "id": "100d329a-08a8-4027-85e7-635f580ad68f",
              "version": "KqlParameterItem/1.0",
              "name": "Subscriptions",
              "type": 6,
              "isRequired": true,
              "multiSelect": true,
              "quote": "",
              "delimiter": ",",
              "value": [
                "value::all"
              ],
              "typeSettings": {
                "additionalResourceOptions": [
                  "value::all"
                ],
                "includeAll": true,
                "showDefault": false
              }
            }
          ]
        }
      }
    ]
  }
},
```

- Click Apply to load the workbook from the gallery template.
- Click "Done Editing" and click "Save" icon to save the workbook
- Pick the right cloud environment - "Azure" for public cloud and "Azure Government" for Government cloud tenants



# Report Exports

**NOTE:** Navigate to "Export" Tab in the workbook and select the right filters for "Subscriptions", "Resource Groups", "Criticality", "Environment" to pick the right scope for this Reliability Engagement.

## 1. Summary by Resource Type, Environment, Criticality

Navigate to "Export" tab of the report and click the download button highlighted below for "Summary by Resource Type, Environment, Criticality" table.

Overview Summary Azure Advisor Azure Site Recovery Compute Containers Databases Integration Networking Storage Web **Export**

Subscriptions: All Resource Group: All Criticality: All Environment: All

**Summary by Resource Type, Environment, Criticality**

Search

Subscription	↑↓ Environment	↑↓ Criticality	↑↓ Resource Total↑↓	Regular SKU↑↓	Development SKU↑↓	Shared SKU↑↓	Free SKU↑↓	Basic S
> FTA SAP Lab - Azure CXP Internal (								
> ServicesPortfolio MCS (1)								

Rename the downloaded report to "Summary by Resource Type, Environment, Criticality.xlsx"

## 2. Summary by Resource, Environment, Criticality

Navigate to "Export" tab of the report and click the download button highlighted below for "Summary by Resource, Environment, Criticality" table.

**Summary by Resource, Environment, Criticality**

Search

Subscription	↑↓ ResourceId	↑↓ Environment	↑↓ Criticality	↑↓ Resource Total↑↓	Regular SKU↑↓	Development SKU↑↓	Shar
> FTA SAP Lab - Azure CXP Internal (							
> ServicesPortfolio MCS (1)							

Rename the downloaded report to "Summary by Resource, Environment, Criticality.xlsx"

### 3. Resources Details

Navigate to “Export” tab of the report and click the download button highlighted below for “Resources Details” table.

Resources Details

Search

Subscription	↑↓	Type	↑↓	SkuName	↑↓	Kind	↑↓	Name
> 📌 MSUS Security Conversations (8)								
> 📌 FTA SAP Lab - Azure CXP Internal (								




Rename the downloaded report to “Resources Details.xlsx”

### 4. Advisor – Reliability

Navigate to “Export” tab of the report and click the download button highlighted below for “Advisor Recommendations by Impact” table.

Advisor Recommendations by Impact

Search

Subscription	↑↓	Impact	↑↓	ImpactedField	↑↓	ImpactedValue	↑↓	Description	↑↓	resources
>  MSUS Security Conversations (4)										
>  Contoso IT – Retail - DevTest (7)										
✓  ADM Dev + Test (1)										

Rename the downloaded report to “Advisor - Reliability.xlsx”

### 5. Workbook Reliability Score

Navigate to summary page and capture the single “Workbook reliability score” by choosing the right filters. Example below:

