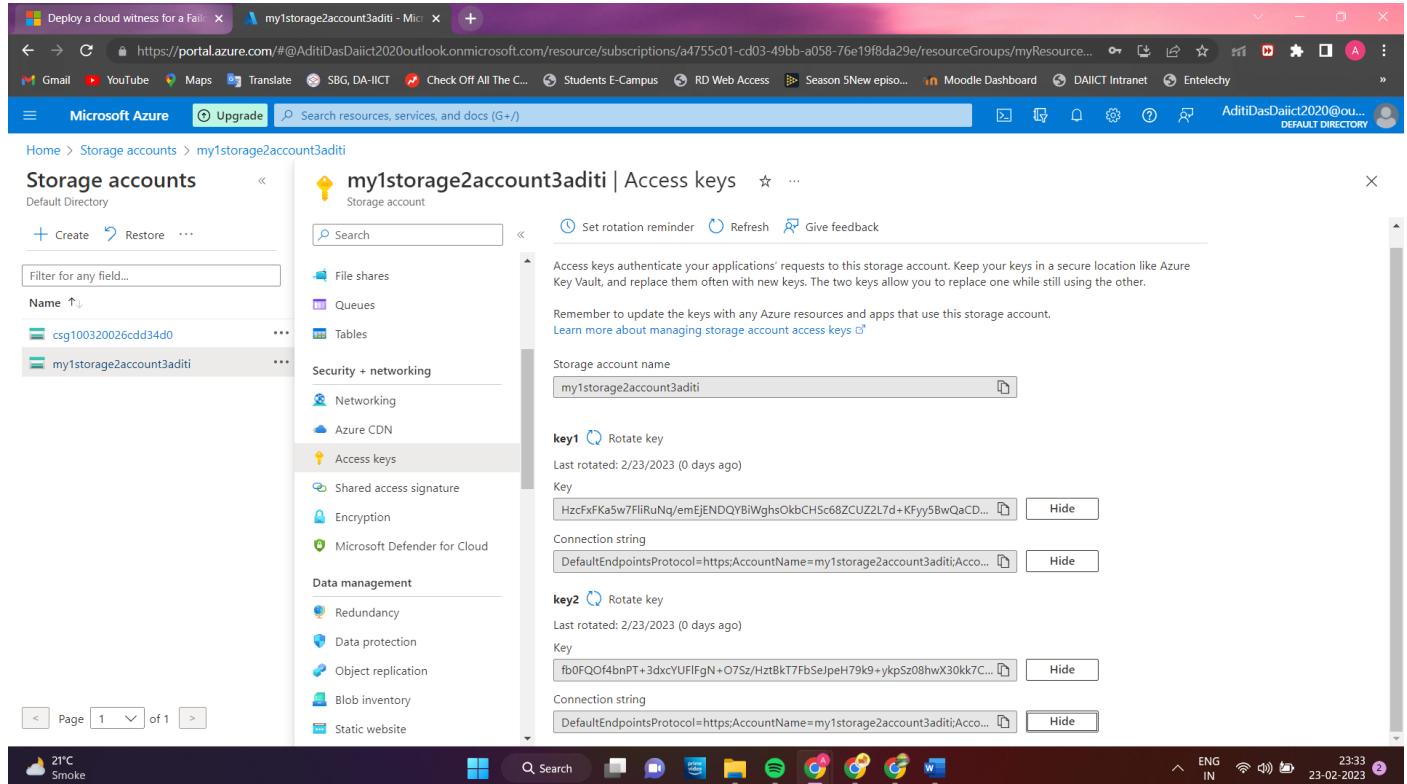


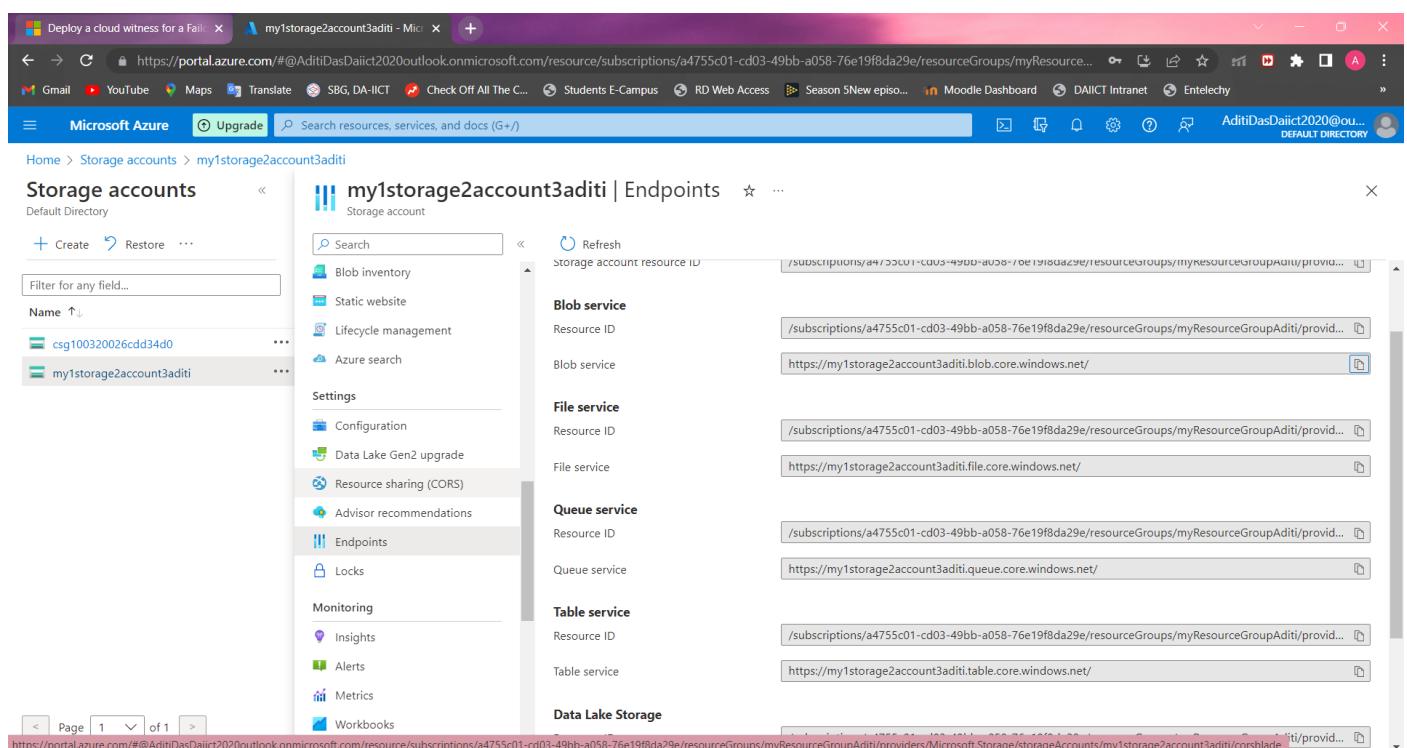
1. Set up a Cloud Witness for a cluster.

i. Creating Azure Storage Account to use as Cloud Witness:



The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes 'Storage accounts', 'Default Directory', '+ Create', 'Restore', and a search bar. The main content area is titled 'my1storage2account3aditi | Access keys'. It provides instructions for managing access keys and shows the current storage account name 'my1storage2account3aditi'. Two sets of keys are listed: 'key1' and 'key2', each with a 'Rotate key' button and a note that they were last rotated on 2/23/2023. Below the keys are 'Connection string' fields for both key1 and key2, which contain identical URLs: 'DefaultEndpointsProtocol=https;AccountName=my1storage2account3aditi;Acc...'.

ii. My endpoint URLs:



The screenshot shows the Microsoft Azure portal interface. The left sidebar navigation bar includes 'Storage accounts', 'Default Directory', '+ Create', 'Restore', and a search bar. The main content area is titled 'my1storage2account3aditi | Endpoints'. It lists various service endpoints with their Resource IDs and URLs. The endpoints include:

- Blob service**: Resource ID: /subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/myResourceGroupAditi/providers/Microsoft.Storage/storageAccounts/my1storage2account3aditi/blob.core.windows.net/; URL: https://my1storage2account3aditi.blob.core.windows.net/
- File service**: Resource ID: /subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/myResourceGroupAditi/providers/Microsoft.Storage/storageAccounts/my1storage2account3aditi/file.core.windows.net/; URL: https://my1storage2account3aditi.file.core.windows.net/
- Queue service**: Resource ID: /subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/myResourceGroupAditi/providers/Microsoft.Storage/storageAccounts/my1storage2account3aditi/queue.core.windows.net/; URL: https://my1storage2account3aditi.queue.core.windows.net/
- Table service**: Resource ID: /subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/myResourceGroupAditi/providers/Microsoft.Storage/storageAccounts/my1storage2account3aditi/table.core.windows.net/; URL: https://my1storage2account3aditi.table.core.windows.net/
- Data Lake Storage**: Resource ID: /subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/myResourceGroupAditi/providers/Microsoft.Storage/storageAccounts/my1storage2account3aditi/corsblade.core.windows.net/; URL: https://my1storage2account3aditi.corsblade.core.windows.net/

iii. My VM (myVM-02):

The screenshot shows the Microsoft Azure portal interface. The left sidebar lists 'Virtual machines' with three items: 'myVM-002', 'myVM-01', and 'myVM-02'. The main content area is titled 'myVM-02' and shows the following details:

- Location:** East US 2 (Zone 1)
- Subscription:** Free Trial
- Subscription ID:** a4755c01-cd03-49bb-a058-76e19f8da29e
- Availability zone:** 1
- Tags:** Click here to add tags

The 'Properties' tab is selected, displaying the following configuration:

Virtual machine	Networking
Computer name: myVM-02	Public IP address: -
Health state: -	Public IP address (IPv6): -
Operating system: Windows (Windows Server 2016 Datacenter)	Private IP address: 10.1.0.5
Publisher: MicrosoftWindowsServer	Private IP address (IPv6): -
Offer: WindowsServer	Virtual network/subnet: myVirtualNetwork-Aditi/myBackendSubnet
Plan: 2016-datacenter-gensecond	DNS name: -
VM generation: V2	

- After this, I installed the Windows Failover Cluster manager using Server Manager.
- I then went on to create a cluster called “myClusterTemp”.
- I added my Cloud Witness to this.

iv. Cloud Witness :

The screenshot shows the Failover Cluster Manager interface. The left navigation pane shows 'Failover Cluster Manager > myClusterTemp'. The main area displays the 'Summary of cluster myClusterTemp' and the 'Cloud Witness' resource, which is highlighted with a red box. The 'Actions' pane on the right shows various management options for the cluster.

2. Manage Azure resource groups by using the Azure portal

i. Creating a resource group (MyResourceGroup):

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * Resource group *

Resource details

Region *

[Review + create](#) [< Previous](#) [Next : Tags >](#)

ii. Listing Resource Groups:

Resource groups

Default Directory (AditiDasDaiict2020@outlook.onmicrosoft.com)

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Location equals all Add filter

Name	Subscription	Location
cloud-shell-storage-centralindia	Free Trial	Central India
DefaultResourceGroup-EUS	Free Trial	East US
MyResourceGroup	Free Trial	East US 2
myResourceGroupAditi	Free Trial	East US 2
myVM-002_group	Free Trial	East US 2
NetworkWatcherRG	Free Trial	East US
ResourceMoverRG-eastus-centralus-eus	Free Trial	East US 2

< Previous Page 1 of 1 Next > Showing 1 to 7 of 7 records.

iii. Opening Resource Groups:

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes links for 'MyResourceGroup - Microsoft A...', 'Manage resource groups - Azure', and 'Deploy template - Azure portal'. The address bar shows the URL: <https://portal.azure.com/#@AditiDasDaiict2020outlook.onmicrosoft.com/resource/subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/MyResourceGroup>. The Microsoft Azure logo is at the top left, followed by 'Upgrade' and a search bar. The user's name 'AditiDasDaiict2020@ou...' and 'DEFAULT DIRECTORY (ADITIDAS...)' are at the top right.

The main content area is titled 'MyResourceGroup' and shows the 'Essentials' section. It includes a search bar, filter options ('Filter for any field...', 'Type equals all', 'Location equals all'), and a message: 'Showing 0 to 0 of 0 records.' Below this, there are buttons for 'Create resources' and 'Clear filters'. The bottom of the screen shows the Windows taskbar with various pinned icons like File Explorer, Edge, and Mail, along with system status indicators.

iv. Deleting Resource Group

This screenshot shows the Microsoft Azure portal with a confirmation dialog box overlaid on the main interface. The dialog title is 'Are you sure you want to delete "MyRes..."' and it contains a warning message: 'Warning! Deleting the "MyResourceGroup" resource group is irreversible. The action you're about to take can't be undone. Going further will delete this resource group and all the resources in it permanently.' Below this, there is a text input field labeled 'TYPE THE RESOURCE GROUP NAME:' with 'MyResourceGroup' typed into it. To the right, a table titled 'AFFECTED RESOURCES' shows a single row: 'There are 0 resources in this resource group that will be deleted.' At the bottom of the dialog are 'Delete' and 'Cancel' buttons. The background of the portal shows the same 'MyResourceGroup' blade as the previous screenshot, with the 'Resources' tab selected and no results found.

Screenshot of the Azure portal showing the Resource groups page. The page lists several resource groups, including 'cloud-shell-storage-centralindia', 'DefaultResourceGroup-EUS', 'myResourceGroupAditi', 'myVM-002_group', 'NetworkWatcherRG', and 'ResourceMoverRG-eastus-centralus-eus2'. The 'Deleted resource group MyResourceGroup' notification is highlighted with a red box.

Name	Subscription
cloud-shell-storage-centralindia	Free Trial
DefaultResourceGroup-EUS	Free Trial
myResourceGroupAditi	Free Trial
myVM-002_group	Free Trial
NetworkWatcherRG	Free Trial
ResourceMoverRG-eastus-centralus-eus2	Free Trial

Notifications

- Deleted resource group MyResourceGroup (a few seconds ago)
- Resource group created (3 minutes ago)
- ₹13,095.59 credit remaining (21 minutes ago)

< Previous Page 1 of 1 Next > Showing 1 to 6 of 6 records.
https://portal.azure.com/#blade/Microsoft_Azure_ActivityLog/ActivityLogBlade/queryInputs/%...

It cannot be seen in the list as well:

Screenshot of the Azure portal showing the Resource groups page. The page lists the same resource groups as before. The 'Deleted resource group MyResourceGroup' notification is no longer present in the list.

Name	Subscription	Location
cloud-shell-storage-centralindia	Free Trial	Central India
DefaultResourceGroup-EUS	Free Trial	East US
myResourceGroupAditi	Free Trial	East US 2
myVM-002_group	Free Trial	East US 2
NetworkWatcherRG	Free Trial	East US
ResourceMoverRG-eastus-centralus-eus2	Free Trial	East US 2

< Previous Page 1 of 1 Next > Showing 1 to 6 of 6 records.
https://portal.azure.com/#blade/Microsoft_Azure_ActivityLog/ActivityLogBlade/queryInputs/%...

v. Deploying Resources using Templates

- a. In this case, I have used a “create-storage-account” template to create a storage account type of resource to a resource group called “MyResourceGroup”:

Custom deployment ...

Select a template Basics Review + create

Automate deploying resources with Azure Resource Manager templates in a single, coordinated operation. Create or select a template below to get started. [Learn more about template deployment](#)

Build your own template in the editor

Common templates

- Create a Linux virtual machine
- Create a Windows virtual machine
- Create a web app
- Create a SQL database
- Azure landing zone

Start with a quickstart template or template spec

Template source Quickstart template Template spec

Quickstart template (disclaimer) quickstarts/microsoft.storage/storage-account-create

Custom deployment ...

Select a template Basics Review + create

Automate deploying resources with Azure Resource Manager templates in a single, coordinated operation. Create or select a template below to get started. [Learn more about template deployment](#)

Build your own template in the editor

Common templates

- Create a Linux virtual machine
- Create a Windows virtual machine
- Create a web app
- Create a SQL database
- Azure landing zone

Start with a quickstart template or template spec

Template source Quickstart template Template spec

Quickstart template (disclaimer) quickstarts/microsoft.storage/storage-account-create

Create a Standard Storage Account (bicep)

Author: leestott
Last updated: 2023-01-23
[Learn more](#)

Select template Edit template



A Custom deployment - Microsoft < Manage resource groups - Azure < Deploy template - Azure portal + https://portal.azure.com/#create/Microsoft.Template

Gmail YouTube Maps Translate SBG, DA-IICT Check Off All The C... Students E-Campus RD Web Access Season 5 New epis... Moodle Dashboard DAIICT Intranet Entelechy Microsoft Azure Upgrade depl Home > Custom deployment ...

Custom deployment

Azure quickstart template

Template

storage-account-create 1 resource

Edit template Edit parameters Visualize

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * (Free Trial)

Resource group * (New) MyResourceGroup Create new

Instance details

Region * (West US 2)

Storage Account Type (Standard_LRS)

Location ([resourceGroup().location])

Storage Account Name ([format('store{0}', uniqueString(resourceGroup().id))])

Review + create < Previous Next : Review + create >

This went on to create both the resource group as well as the storage account:

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes tabs for 'Microsoft Azure', 'Upgrade', 'deploy', and several other Azure services like 'Troubleshoot common Azure deployment errors', 'Manage resource groups - Azure', and 'Deploy template - Azure portal'. Below the navigation bar, the main content area displays the 'Resource groups' section for the 'MyResourceGroup' under the 'store3qxkrskdgiaga' storage account. The left sidebar lists various management options such as 'Overview', 'Activity log', 'Tags', 'Diagnose and solve problems', 'Access Control (IAM)', 'Data migration', 'Events', and 'Storage browser'. The 'Data storage' section is expanded, showing 'Containers', 'File shares', 'Queues', and 'Tables'. The 'Security + networking' section is also partially visible. The main content area shows the 'Essentials' tab for the storage account, listing details like location (West US 2), subscription (Free Trial), and provisioning state (Succeeded). It also includes sections for 'Properties', 'Monitoring', 'Capabilities (7)', 'Recommendations (0)', 'Tutorials', and 'Developer Tools'. Under the 'Properties' tab, there are sections for 'Blob service' (Hierarchical namespace: Disabled, Default access tier: Hot, Blob public access: Enabled, Blob soft delete: Disabled, Container soft delete: Disabled, Versioning: Disabled, Change feed: Disabled, NFS v3: Disabled) and 'Security' (Require secure transfer for REST API operations: Enabled, Storage account key access: Enabled, Minimum TLS version: Version 1.0, Infrastructure encryption: Disabled). The 'Networking' section indicates 'Allow access from All networks' and 'Number of private endpoint connections: 0'. At the bottom of the screen, the Windows taskbar shows the date (25-02-2023), time (14:46), and weather (32°C Sunny).

vi. Moving resource to another resource group

Here, I moved the storage account created in the previous step to another resource group.

The screenshot shows the 'Move resources' wizard in the Azure portal. The current step is 'Resources to move'. It displays the source and target resource groups. The source group is 'MyResourceGroup' under 'Free Trial' subscription. The target group is 'DefaultResourceGroup-EUS' under 'Free Trial' subscription. At the bottom, there are 'Previous' and 'Next' buttons, and a system tray at the bottom right showing weather (32°C, sunny), network, battery, and date/time (25-02-2023, 14:48).

The screenshot shows the 'Move resources' wizard in the Azure portal. The current step is 'Resources to move'. A table lists the resources being moved:

Name	Type	Resource type	Validation status
store3qkrskdgiaga	Storage account	microsoft.storage/storageaccounts	Succeeded

At the bottom, there are 'Previous' and 'Next' buttons, and a system tray at the bottom right showing weather (33°C, sunny), network, battery, and date/time (25-02-2023, 14:52).

Move resources - Microsoft Azure | Home - Microsoft Azure | Manage resource groups - Azure | Deploy template - Azure portal | How to move your resources between resource groups | +

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Microsoft Azure Upgrade deplo

AditiDasDaiict2020@ou... DEFAULT DIRECTORY (ADITIDAS...)

Home > Resource groups > MyResourceGroup > store3qxrskdgiaga >

Move resources

store3qxrskdgiaga

Source + target Resources to move Review

Selection summary

Source subscription	Free Trial
Source resource group	MyResourceGroup
Target subscription	Free Trial
Target resource group	MyResourceGroup2
Number of resources to move	1

I understand that tools and scripts associated with moved resources will not work until I update them to use new resource IDs

Previous Move

33°C Sunny ENG IN 14:52 25-02-2023

store3qxrskdgiaga - Microsoft | Home - Microsoft Azure | Manage resource groups - Azure | Deploy template - Azure portal | How to move your resources between resource groups | +

Gmail YouTube Maps Translate SBG, DA-IICT Check Off All The C... Students E-Campus RD Web Access Season 5 New episode Moodle Dashboard DAIICT Intranet Entelechy

Microsoft Azure Upgrade deplo

AditiDasDaiict2020@ou... DEFAULT DIRECTORY (ADITIDAS...)

Home > Resource groups > MyResourceGroup > store3qxrskdgiaga

store3qxrskdgiaga Storage account

Search Upload Open in Explorer Delete Move Refresh Open in mobile CLI / PS Feedback

Overview Activity log Tags Diagnose and solve problems Access Control (IAM) Data migration Events Storage browser Data storage Containers File shares Queues Tables Security + networking Networking Azure CDN

Essentials

Resource group (move) : MyResourceGroup Location : West US 2 Subscription (move) : Free Trial Subscription ID : a4755c01-cd03-49bb-a058-76e19f8da29e Disk state : Available Performance : Standard Replication : Locally-redundant storage (LRS) Account kind : StorageV2 (general purpose v2) Provisioning state : Succeeded Created : 2/25/2023, 2:39:49 PM

Tags (edit) : Click here to add tags

Properties Monitoring Capabilities (7) Recommendations (0) Tutorials Developer Tools

Blob service

Hierarchical namespace	Disabled	Require secure transfer for REST API operations	Enabled
Default access tier	Hot	Storage account key access	Enabled
Blob public access	Enabled	Minimum TLS version	Version 1.0
Blob soft delete	Disabled	Infrastructure encryption	Disabled
Container soft delete	Disabled		
Versioning	Disabled		
Change feed	Disabled		
NFS v3	Disabled		

Security

Allow access from	All networks
Number of private endpoint connections	0

Networking

Allow access from All networks Number of private endpoint connections 0

33°C Sunny ENG IN 14:52 25-02-2023

The storage account has successfully moved to MyResourceGroup2 :

MyResourceGroup2 - Microsoft Azure | myVM-02 - Microsoft Azure | Manage resource groups - Azure | Deploy template - Azure portal | How to move your resources between resource groups | https://portal.azure.com/#@AditiDasDaiict2020outlook.onmicrosoft.com/resource/subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/MyResourceGroup2

Microsoft Azure | Upgrade | deplo

Home > Resource groups >

Resource groups

Default Directory (AditiDasDaiict2020outlook.onmicrosoft.com)

+ Create | Manage view | ...

Filter for any field... Name ↑

- cloud-shell-storage-centralindia
- DefaultResourceGroup-EUS
- MyResourceGroup
- MyResourceGroup2**
- myResourceGroupAditi
- myVM-002_group
- NetworkWatcherRG
- ResourceMoverRG-eastus-centralus-eus2

Activity log | Access control (IAM) | Tags | Resource visualizer | Events | Deployments | Security | Policies | Properties | Locks | Cost analysis | Cost alerts (preview) | Budgets

Search | Overview | + Create | Manage view | Delete resource group | Refresh | Export to CSV | Open query | Assign tags | JSON View

Essentials

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 1 to 1 of 1 records. Show hidden types No grouping List view

Name	Type	Location
store3qxkrskgiaga	Storage account	West US 2

< Previous Page 1 of 1 Next >

Give feedback

33°C Sunny ENG IN 14:58 25-02-2023

We can see here that there are no resources in MyResourceGroup after this step:

MyResourceGroup - Microsoft Azure | myVM-02 - Microsoft Azure | Manage resource groups - Azure | Deploy template - Azure portal | How to move your resources between resource groups | https://portal.azure.com/#@AditiDasDaiict2020outlook.onmicrosoft.com/resource/subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/MyResourceGroup

Microsoft Azure | Upgrade | deplo

Home > Resource groups >

Resource groups

Default Directory (AditiDasDaiict2020outlook.onmicrosoft.com)

+ Create | Manage view | ...

Filter for any field... Name ↑

- cloud-shell-storage-centralindia
- DefaultResourceGroup-EUS
- MyResourceGroup
- MyResourceGroup2
- myResourceGroupAditi
- myVM-002_group
- NetworkWatcherRG
- ResourceMoverRG-eastus-centralus-eus2

Activity log | Access control (IAM) | Tags | Resource visualizer | Events | Deployments | Security | Policies | Properties | Locks | Cost analysis | Cost alerts (preview) | Budgets

Search | Overview | + Create | Manage view | Delete resource group | Refresh | Export to CSV | Open query | Assign tags | JSON View

Essentials

Resources Recommendations

Filter for any field... Type equals all Location equals all Add filter

Showing 0 to 0 of 0 records. Show hidden types No grouping List view

No resources match your filters
Try changing or clearing your filters.

Create resources | Clear filters | Give feedback

33°C Sunny ENG IN 14:58 25-02-2023

vii. Adding lock to resource group:

The screenshot shows the Azure portal interface for managing resource groups. The left sidebar lists several resource groups, including 'MyResourceGroup'. The main area displays the 'Locks' section of 'MyResourceGroup'. A modal dialog box titled 'Add lock' is open, prompting for a 'Lock name' (set to 'Lock-001') and a 'Lock type' (set to 'Read-only'). Below the dialog, a table lists existing locks: 'Lock-001' (Read-only, MyResourceGroup).

Lock name	Lock type	Scope	Notes
Lock-001	Read-only	MyResourceGroup	

This screenshot shows the same Azure portal interface after the lock has been added. The 'Locks' table now includes the newly created 'Lock-001' entry.

Lock name	Lock type	Scope	Notes
Lock-001	Read-only	MyResourceGroup	

viii. Adding tags

The screenshot shows the Microsoft Azure portal interface. The user is navigating through the 'Resource groups' section, specifically for the 'MyResourceGroup' resource group. On the left, there is a sidebar with various navigation options like 'Create', 'Manage view', 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Resource visualizer', 'Events', 'Settings', 'Deployments', 'Security', 'Policies', 'Properties', and 'Locks'. The 'Tags' option is currently selected. The main content area displays the 'MyResourceGroup | Tags' page. It includes a search bar, a 'Delete all' button, and a note about tags being name/value pairs used for categorization and billing. A table lists existing tags: 'Finance' with value 'Dollars' and 'Distance' with value 'Kilometers'. Below this, there is a section for adding new tags, with a note that '2 to be added'. At the bottom, there are 'Apply' and 'Discard changes' buttons. The bottom of the screen shows the Windows taskbar with various pinned icons.

ix. Exporting resource using templates:

The screenshot shows the Microsoft Azure portal interface. The user is navigating through the 'Resource groups' section, specifically for the 'MyResourceGroup2' resource group. On the left, there is a sidebar with various navigation options like 'Create', 'Manage view', 'Delete resource group', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Move', 'Delete', 'Export template', and '...'. The 'Export template' option is highlighted. The main content area displays the 'MyResourceGroup2' resource group page. It includes a search bar, a 'Delete resource group' button, and a 'JSON View' link. The 'Essentials' section shows a table of resources, with one record listed: 'store3qkrskgiaga' (Storage account) located in 'West US 2'. The bottom of the screen shows the Windows taskbar with various pinned icons.

Export resource group template

MyResourceGroup2

Download Add to library Deploy Visualize template

To export related resources, select the resources from the Resource Group view then select the "Export template" option from the tool bar.

Include parameters

Template Parameters Scripts

```

1  {
2   "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
3   "contentVersion": "1.0.0.0",
4   "parameters": {
5     "storageAccounts_store3qxkrskgiaga_name": {
6       "defaultValue": "store3qxkrskgiaga",
7       "type": "String"
8     }
9   },
10  "variables": {},
11  "resources": [
12    {
13      "type": "Microsoft.Storage/storageAccounts",
14      "apiVersion": "2022-09-01",
15      "name": "[parameters('storageAccounts_store3qxkrskgiaga_name')]",
16      "location": "westus2",
17      "sku": {
18        "name": "Standard_LRS",
19        "tier": "Standard"
20      }
21    }
22  ]
23}

```

33°C Sunny

Search

ENG IN 25-02-2023 15:17

Generated Template:

```
{
  "$schema": "https://schema.management.azure.com/schemas/2019-04-01/deploymentTemplate.json#",
  "contentVersion": "1.0.0.0",
  "parameters": {
    "storageAccounts_store3qxkrskgiaga_name": {
      "defaultValue": "store3qxkrskgiaga",
      "type": "String"
    }
  },
  "variables": {},
  "resources": [
    {
      "type": "Microsoft.Storage/storageAccounts",
      "apiVersion": "2022-09-01",
      "name": "[parameters('storageAccounts_store3qxkrskgiaga_name')]",
      "location": "westus2",
      "sku": {
        "name": "Standard_LRS",
        "tier": "Standard"
      },
      "kind": "StorageV2",
      "properties": {
        "minimumTlsVersion": "TLS1_0",
        "allowBlobPublicAccess": true,
        "networkAcls": {
          "bypass": "AzureServices",
          "virtualNetworkRules": [],
          "ipRules": [],
          "defaultAction": "Allow"
        }
      }
    }
  ]
}
```

```
        },
        "supportsHttpsTrafficOnly": true,
        "encryption": {
            "services": {
                "file": {
                    "keyType": "Account",
                    "enabled": true
                },
                "blob": {
                    "keyType": "Account",
                    "enabled": true
                }
            },
            "keySource": "Microsoft.Storage"
        },
        "accessTier": "Hot"
    }
},
{
    "type": "Microsoft.Storage/storageAccounts/blobServices",
    "apiVersion": "2022-09-01",
    "name": "[concat(parameters('storageAccounts_store3qxkrsldgiaga_name'),
'/default')]",
    "dependsOn": [
        "[resourceId('Microsoft.Storage/storageAccounts',
parameters('storageAccounts_store3qxkrsldgiaga_name'))]"
    ],
    "sku": {
        "name": "Standard_LRS",
        "tier": "Standard"
    },
    "properties": {
        "cors": {
            "corsRules": []
        },
        "deleteRetentionPolicy": {
            "allowPermanentDelete": false,
            "enabled": false
        }
    }
},
{
    "type": "Microsoft.Storage/storageAccounts/fileServices",
    "apiVersion": "2022-09-01",
    "name": "[concat(parameters('storageAccounts_store3qxkrsldgiaga_name'),
'/default')]",
    "dependsOn": [
        "[resourceId('Microsoft.Storage/storageAccounts',
parameters('storageAccounts_store3qxkrsldgiaga_name'))]"
    ],
    "sku": {
        "name": "Standard_LRS",
        "tier": "Standard"
    }
},
```

```
"properties": {
    "protocolSettings": {
        "smb": {}
    },
    "cors": {
        "corsRules": []
    },
    "shareDeleteRetentionPolicy": {
        "enabled": true,
        "days": 7
    }
}
},
{
    "type": "Microsoft.Storage/storageAccounts/queueServices",
    "apiVersion": "2022-09-01",
    "name": "[concat(parameters('storageAccounts_store3qxkrskdgiaga_name'), '/default')]",
    "dependsOn": [
        "[resourceId('Microsoft.Storage/storageAccounts', parameters('storageAccounts_store3qxkrskdgiaga_name'))]"
    ],
    "properties": {
        "cors": {
            "corsRules": []
        }
    }
},
{
    "type": "Microsoft.Storage/storageAccounts/tableServices",
    "apiVersion": "2022-09-01",
    "name": "[concat(parameters('storageAccounts_store3qxkrskdgiaga_name'), '/default')]",
    "dependsOn": [
        "[resourceId('Microsoft.Storage/storageAccounts', parameters('storageAccounts_store3qxkrskdgiaga_name'))]"
    ],
    "properties": {
        "cors": {
            "corsRules": []
        }
    }
}
]
```

3. Azure Role Based Access Control:

i. Selecting Role Assignment:

The screenshot shows the Microsoft Azure portal interface. The left sidebar is collapsed, and the main content area displays the 'Access control (IAM)' page for the resource group 'MyResourceGroup2'. The top navigation bar includes tabs for 'Assign Azure roles using the Azu...', 'Tag resources, resource groups, ...', 'Deploy template - Azure portal', and 'How to move your resources bet...'. Below the navigation is a search bar and a toolbar with icons for 'Add', 'Download role assignments', 'Edit columns', 'Refresh', 'Remove', and 'Got feedback?'. The main content area has a header 'Add role assignment' with tabs for 'Role assignments', 'Roles', 'Deny assignments', and 'Classic administrators'. It also features a 'View my access' button. A 'Check access' section allows users to review access levels for a user, group, service principal, or managed identity. Below this are four cards: 'Grant access to this resource', 'View access to this resource', 'View deny assignments', and 'Create a custom role'. The bottom of the screen shows the Windows taskbar with various pinned apps like File Explorer, Edge, and Mail.

The screenshot shows the 'Add role assignment' blade within the Microsoft Azure portal. The top navigation bar is visible, along with the 'Microsoft Azure' logo and a user profile. The main content area is titled 'Add role assignment' with a sub-section '...'. It features tabs for 'Role' (selected) and 'Members' (marked with a red asterisk). Under 'Role', the 'Selected role' is set to 'Storage Account Contributor'. Under 'Assign access to', the 'User, group, or service principal' option is selected. The 'Members' section contains a '+ Select members' button and a table with columns 'Name', 'Object ID', and 'Type'. The table currently shows 'No members selected'. A 'Description' section with an 'Optional' text area is also present. At the bottom are buttons for 'Review + assign', 'Previous', and 'Next'.

ii. Selecting members:

Role Members Review + assign

Selected role Storage Account Contributor

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

Members + Select members

Name	Object ID	Type
Aditi Das	910ab13a-bf61-47df-98e8-7a086d965c74	User

Description Optional

Review + assign Previous Next

iii. Reviewing roles:

MyResourceGroup2 | Access control (IAM)

Number of role assignments for this subscription: 3

Name	Type	Role	Scope	Condition
MoveCollection-eus-cus-eus2	App	Contributor	Subscription (Inherited)	None
Aditi Das	User	Storage Account Contributor	This resource	None
MoveCollection-eus-cus-eus2	App	User Access Administrator	Subscription (Inherited)	None