

Module 1: Assignment - 1

Azure 104 Certification Course



Tasks To Be Performed:

1. Connect to Azure Cloud Shell
2. Create a resource group "new-rg" in South Central US region

Send the commands along with the screenshots for the completion of this assignment.

```
Switch to Bash Restart Manage files New session Editor Web preview Settings Help
Requesting a Cloud Shell.Succeeded.
Connecting terminal...
PS /home/salman> az group create --name new-rg --location southcentralus
{
  "id": "/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/new-rg",
  "location": "southcentralus",
  "managedBy": null,
  "name": "new-rg",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
PS /home/salman> az group create -n new-rg -l southcentralus
{
  "id": "/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/new-rg",
  "location": "southcentralus",
  "managedBy": null,
  "name": "new-rg",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
PS /home/salman>
```

Name	Subscription	Location
new-rg	Free Trial	South Central US

Command: `az group create --name new-rg --location southcentralus`

Short Command to Create: `az group create -n new-rg -l southcentralus`

Module 1: Assignment - 2

Azure 104 Certification Course



Tasks To Be Performed:

1. Connect Azure PowerShell to your Azure account
2. Create a new resource group in South Central US with the name "rg-powershell"

Please submit the screenshot along with the commands.

Connecting to subscription account

```
PS /home/salman> get-AzSubscription

TenantId: 9d2b20ed-01ac-44de-bc84-63f6c13c58e8

Name      Id                               State
----      -
Free Trial 9ec127a6-d815-4174-8df6-0e4aa2a694db Enabled

PS /home/salman>
```

Created new resource group on southcentralus

```
PS /home/salman> new-azresourcegroup -name rg-powershell -Location southcentralus

ResourceGroupName : rg-powershell
Location           : southcentralus
ProvisioningState   : Succeeded
Tags               :
ResourceId          : /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-powershell

PS /home/salman>
```

Name	Subscription	Location
new-rg	Free Trial	South Central US
rg-powershell	Free Trial	South Central US

Commands:

get-AzSubscription

new-azresourcegroup -name rg-powershell -location southcentralus

Module 1: Assignment - 3

Azure 104 Certification Course



Tasks To Be Performed:

Use Azure CLI and Azure PowerShell to:

1. Create three more resource groups in a specific region. For example: "West US"
2. List all resource groups in West US

```
Switch to Bash Restart Manage files New session Editor Web preview Settings Help
PS /home/salman> new-azresourcegroup -n rg-1 -l westus && new-azresourcegroup -n rg-2 -l westus && new-azresourcegroup -n rg-3 -l westus

ResourceGroupName : rg-1
Location           : westus
ProvisioningState  : Succeeded
Tags              :
ResourceId         : /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-1

ResourceGroupName : rg-2
Location           : westus
ProvisioningState  : Succeeded
Tags              :
ResourceId         : /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-2

ResourceGroupName : rg-3
Location           : westus
ProvisioningState  : Succeeded
Tags              :
ResourceId         : /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-3

PS /home/salman>
```

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Resource groups ... Default Directory (shaiksalmanfars8@gmail.onmicrosoft.com)

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

You are viewing a new version of Browse experience. Some features may be missing. Click here to access the old experience.

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

Name	Subscription	Location
new-rg	Free Trial	South Central US
rg-1	Free Trial	West US
rg-2	Free Trial	West US
rg-3	Free Trial	West US
rg-powershell	Free Trial	South Central US

```
Switch to Bash Restart Manage files New session Editor Web preview Settings Help
PS /home/salman> get-azresourcegroup | Format-Table

ResourceGroupName Location ProvisioningState Tags TagsTable ResourceId ManagedBy
-----
new-rg southcentralus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/new-rg
rg-powershell southcentralus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-powershell
rg-1 westus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-1
rg-2 westus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-2
rg-3 westus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-3

PS /home/salman> get-azresourcegroup -l westus | Format-Table

ResourceGroupName Location ProvisioningState Tags TagsTable ResourceId ManagedBy
-----
rg-1 westus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-1
rg-2 westus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-2
rg-3 westus Succeeded /subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-3

PS /home/salman>
```

Switch to Bash Restart Manage files New session Editor Web preview Settings Help

PS /home/salman>

Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help

```
salman [ ~ ]$ az group create -n rg-1 -l westus && az group create -n rg-2 -l westus && az group create -n rg-3 -l westus
{
  "id": "/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-1",
  "location": "westus",
  "managedBy": null,
  "name": "rg-1",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
{
  "id": "/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-2",
  "location": "westus",
  "managedBy": null,
  "name": "rg-2",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
{
  "id": "/subscriptions/9ec127a6-d815-4174-8df6-0e4aa2a694db/resourceGroups/rg-3",
  "location": "westus",
  "managedBy": null,
  "name": "rg-3",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
salman [ ~ ]$
```

Switch to PowerShell Restart Manage files New session Editor

```
salman [ ~ ]$ az group list -o table
Name          Location      Status
-----
new-rg        southcentralus Succeeded
rg-powershell southcentralus Succeeded
rg-1          westus        Succeeded
rg-2          westus        Succeeded
rg-3          westus        Succeeded
salman [ ~ ]$
```

Switch to PowerShell Restart Manage files New session Editor Web prev

```
salman [ ~ ]$ az group list --query "[?location == 'westus']" -o table
Name    Location
-----
rg-1    westus
rg-2    westus
rg-3    westus
salman [ ~ ]$
```

Module 1: Assignment - 4

Tasks To Be Performed:

Use Azure CLI and Azure PowerShell to:

1. Delete all the resource groups in West US region using one command

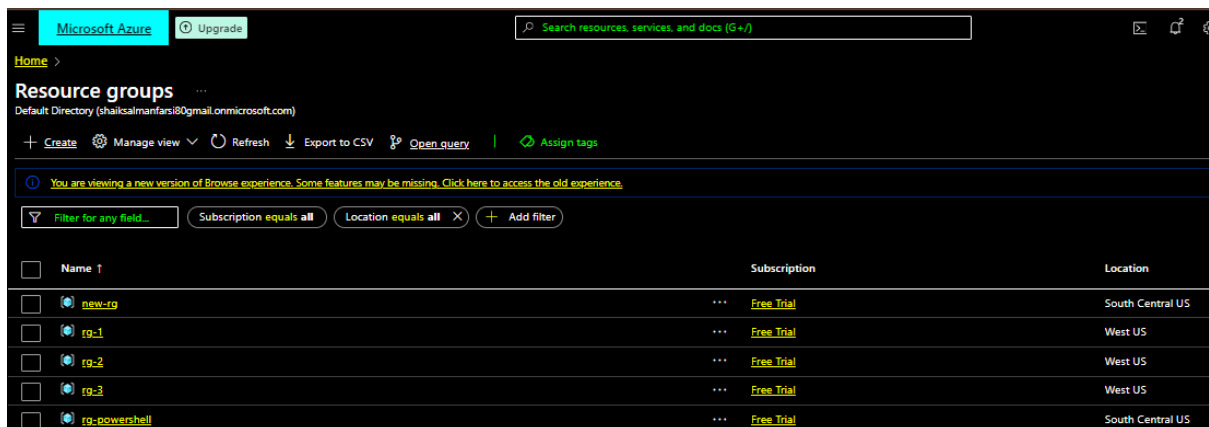
(bash shell)

```
az group list --query "[?location == ''].name" -o tsv | xargs -otl az group delete --resource-group
```

(powershell)

```
Get-AzSubscription -Location "westus" | Set-AzContext -SubscriptionId $_.Id
```

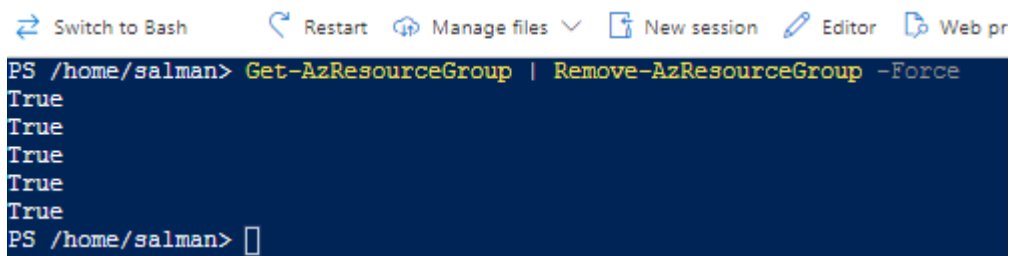
```
Get-AzResourceGroup | Remove-AzResourceGroup -Force
```



The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and a 'Microsoft Azure' header. Below the header, the 'Resource groups' section is displayed. A table lists several resource groups with columns for Name, Subscription, and Location. The resource groups listed are 'new-rg', 'rg-1', 'rg-2', 'rg-3', and 'rg-powershell'. All are in the 'Free Trial' subscription and located in 'South Central US' or 'West US'.

Name	Subscription	Location
new-rg	Free Trial	South Central US
rg-1	Free Trial	West US
rg-2	Free Trial	West US
rg-3	Free Trial	West US
rg-powershell	Free Trial	South Central US

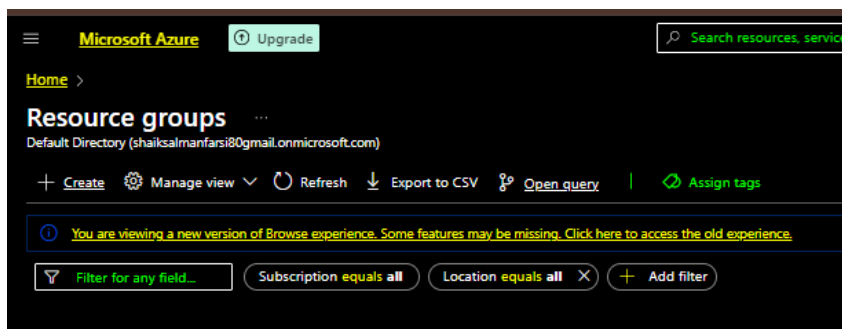
To Delete All Resource Group Command



The screenshot shows a PowerShell terminal window. The command 'Get-AzResourceGroup | Remove-AzResourceGroup -Force' has been executed, and the output shows 'True' for each resource group, indicating successful deletion.

```
PS /home/salman> Get-AzResourceGroup | Remove-AzResourceGroup -Force
True
True
True
True
True
PS /home/salman>
```

Now, There is no Resource Group Available



The screenshot shows the Microsoft Azure portal interface, similar to the previous one, but the 'Resource groups' table is now empty, indicating that all resource groups have been successfully deleted.

Name	Subscription	Location
------	--------------	----------

