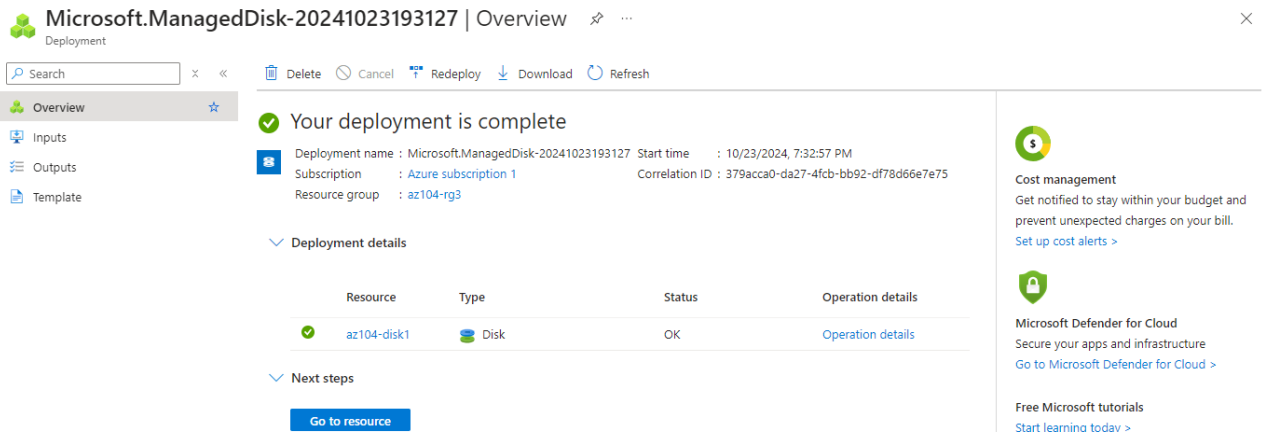
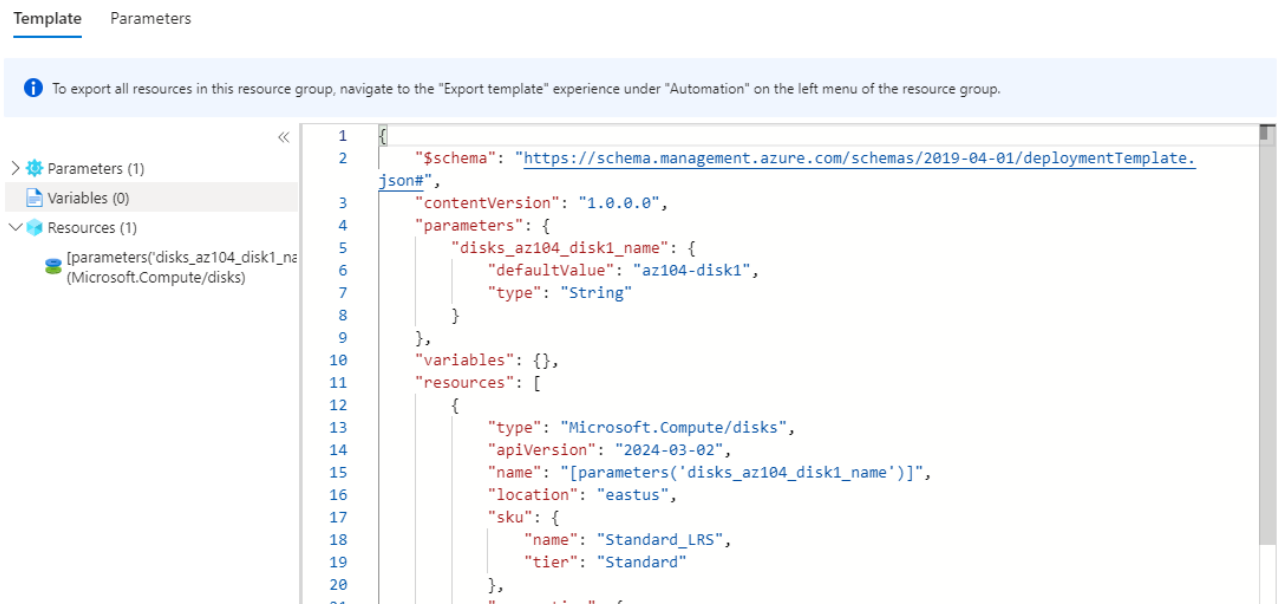
Lab 03 - Manage Azure resources by using Azure Resource Manager Templates

- Job skills
- Task 1: Create an Azure Resource Manager template
- Task 2: Edit an Azure Resource Manager template and then redeploy the template
- Task 3: Configure the Cloud Shell and deploy a template with PowerShell
- Task 4: Deploy a template with the CLI
- Task 5: Deploy a resource by using Azure Bicep

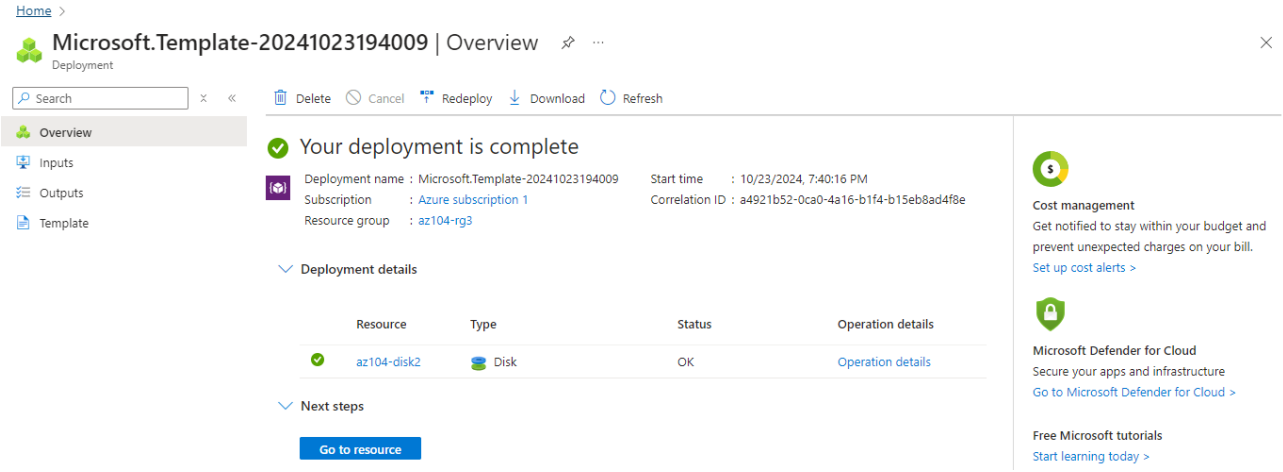
Task 1: Create an Azure Resource Manager template



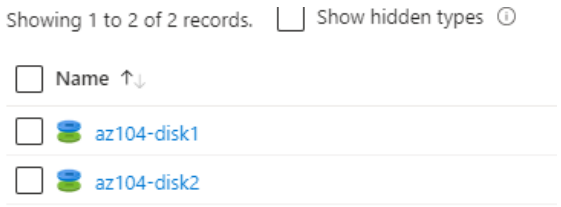
Created a managed disk



Exported a template



Provisioned an infrastructure using re-configured template.



Verifying the amount of disks

Task 3: Configure the Cloud Shell and deploy a template with PowerShell

```
PS /home/azureuser> New-AzResourceGroupDeployment -ResourceGroupName az104-rg3 -TemplateFile template.json -TemplateParameterFile parameters.json

DeploymentName          : template
ResourceGroupName       : az104-rg3
ProvisioningState       : Succeeded
Timestamp               : 10/23/2024 4:50:52 PM
Mode                    : Incremental
TemplateLink            :
Parameters              :
```

Created storage account (disk2)

Created storage account (disk4)

```
@description('Name of the managed disk to be copied')
param managedDiskName string = 'Disk4'

@description('Disk size in GiB')
@minValue(4)
@maxValue(65536)
param diskSizeinGiB int = 32

@description('Disk IOPS value')
@minValue(100)
@maxValue(160000)
param diskIopsReadWrite int = 100

```

Made changes to **azuredeploydisk.bicep** file.

```
}
azureuser [ ~ ]$  az disk list --output table
Name         ResourceGroup    Location    Zones    Sku              SizeGb    ProvisioningState
-----------  ---------------  ----------  -------  ---------------  --------  -------------------
az104-disk1  AZ104-RG3        eastus               Standard_LRS     32        Succeeded
az104-disk2  AZ104-RG3        eastus               Standard_LRS     32        Succeeded
az104-disk4  AZ104-RG3        eastus               Standard_LRS     32        Succeeded
Disk4        AZ104-RG3        eastus               StandardSSD_LRS  32        Succeeded
azureuser [ ~ ]$
```

Terminal container button

Everything created successfully