

Cloud Computing With Azure

By: Abhiram

1:

The deployment slot help to verify a new version of app before it go to live and the slot are free to use we can also test the new version of our app which we have by using testing in production feature

Instance Details

Name * abhiramwebapp.azurewebsites.net

Publish * Code

Runtime stack * .NET 6 (LTS)

Operating System * Windows

Region * South India

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app.

Learn more ↗

Windows Plan (South India) * (New) ASP-abhiwebapp-b9f4

Review + create < Previous Next : Database >

Summary

Web App by Microsoft

Free sku

Estimated price - Free

Basic authentication for this app is currently disabled and may impact deployments. Click to learn more.

Details

Subscription	c4498e5c-6513-4872-b5f1-0db5f82228cf
Resource Group	abhiwebapp
Name	abhiramwebapp
Publish	Code
Runtime stack	.NET 6 (LTS)

Create < Previous Next > Download a template for automation

<https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/-/overview/id%2Fsubscriptions%2Fc4498e5c-6513...>

Microsoft Azure ssabhiram411@gmail.c...
DEFAULT DIRECTORY (SSABHIRA...)

Home > Microsoft.Web-WebApp-Portal-6d72e978-9fb2 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

Your deployment is complete

Deployment name: Microsoft.Web-WebApp-Portal-6d72e978-9fb2
Subscription: Free Trial
Resource group: DefaultResourceGroup-null
Start time: 4/7/2024, 5:05:41 PM
Correlation ID: 48d04cde-8619-4016-9ebd-4d935b9cb5a3

Deployment details Next steps

Manage deployments for your app. Recommended
Protect your app with authentication. Recommended

Go to resource Give feedback Tell us about your experience with deployment

Notifications

More events in the activity log → Dismiss all

Deployment succeeded Deployment 'Microsoft.Web-WebApp-Portal-6d72e978-9fb2' to resource group 'DefaultResourceGroup-null' was successful.

Go to resource Pin to dashboard a few seconds ago

₹16,700.00 credit remaining Subscription 'Free Trial' has a remaining credit of ₹16,700.00.

Upgrade to a Pay-As-You-Go subscription. 3 minutes ago

Type here to search

U: 0.07 kB/s D: 0.07 kB/s ENG 17:07 07-04-2024

<https://portal.azure.com/#/ssabhiram411gmail.onmicrosoft.com/resource/subscriptions/c4498e5c-6513-4872-b5f1-0db5f8...>

Microsoft Azure ssabhiram411@gmail.c...
DEFAULT DIRECTORY (SSABHIRA...)

Home > Microsoft.Web-WebApp-Portal-6d72e978-9fb2 | Overview

abhiwebapps Web App

Search Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile ...

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview) Log stream

Deployment Deployment slots Deployment Center

Performance Load Testing (Preview)

Settings Domains Default domain abhiwebapps.azurewebsites.net

Essentials

Resource group (move)	: DefaultResourceGroup-null	Default domain	: abhiwebapps.azurewebsites.net
Status	: Running	App Service Plan	: ASP-DefaultResourceGroupnull-b029
Location (move)	: East US	Operating System	: Windows
Subscription (move)	: Free Trial	Health Check	: Not Configured
Subscription ID	: c4498e5c-6513-4872-b5f1-0db5f82228cf		

Properties Monitoring Logs Capabilities Notifications Recommendations

Web app

Name	abhiwebapps
Publishing model	Code
Runtime Stack	Dotnet - v2.0

Domains

Default domain	abhiwebapps.azurewebsites.net
----------------	-------------------------------

Microsoft Azure

Search resources, services, and docs (G+)

Home > Microsoft.Web-WebApp-Portal-6d72e978-9fb2 | Overview >

abhiwebapps

Web App

Search

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile ...

Overview

Hosting

Plan Type	App Service plan
Name	ASP-DefaultResourceGroupnull-b029
Operating System	Windows
Instance Count	0
SKU and size	Free (F1) Scale up

Deployment Center

Deployment logs	View logs
Last deployment	Loading deployments...
Deployment provider	None

Application Insights

Name	abhiwebapps
------	-------------

Microsoft Azure

Search resources, services, and docs (G+)

Home > Microsoft.Web-WebApp-Portal-6d72e978-9fb2 | Overview >

abhiwebapps

Web App

Search

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile Share to mobile ...

Authentication

Application Insights

Identity

Backups

Custom domains

Certificates

Networking

Scale up (App Service plan)

Scale out (App Service plan)

WebJobs

MySQL In App

Service Connector

Properties

Locks

App Service plan

Deployment Center

Deployment logs	View logs
Last deployment	Loading deployments...
Deployment provider	None

Application Insights

Name	abhiwebapps
Region	East US Show More

Networking

Virtual IP address	20.119.8.38
Outbound IP addresses	20.246.131.196,20.246.132.249,20.246.1... Show More
Additional Outbound IP addresses	20.246.131.196,20.246.132.249,20.246.1... Show More
Virtual network integration	Not supported

Microsoft Azure

Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.



 Supporting Node.js, Java, .NET and more

Haven't deployed yet?
Use the deployment center to publish code or set up continuous deployment.

Starting a new web site?
Follow our Quickstart guide to get a web app ready quickly.

[Deployment center](#) [Quickstart](#)

Microsoft Azure

Search resources, services, and docs (G+)

Home > Microsoft.Web-WebApp-Portal-6d72e978-9fb2 | Overview > abhiwebapps >

DefaultResourceGroup-null

Resource group

Overview Activity log Access control (IAM) Tags Resource visualizer Events

Settings Deployments Security Deployment stacks Policies

+ Create Manage view Delete resource group Refresh Export to CSV Open query

Resources Recommendations

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

Showing 1 to 4 of 4 records. Show hidden types No grouping List view

Name	Type	Location	...
abhiwebapps	App Service	East US	...
abhiwebapps	Application Insights	East US	...
Application Insights Smart Detection	Action group	Global	...
ASP-DefaultResourceGroupnull-b029	App Service plan	East US	...

- Go to your azure account
- Search web application and open it
- Select the subscription plan
- Give the unique name select the run time stack
- Configure the other settings and deploy the sample application
- And take the URL from the overview and access the web app

2.

The screenshot shows the Azure portal interface for creating a virtual machine. The URL is https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM. The top navigation bar includes Microsoft Azure, Upgrade, Search resources, services, and docs, and the user's email ssabhiram411@gmail.com.

The main title is "Create a virtual machine". A green validation bar at the top says "Validation passed". Below it, tabs include Basics, Disks, Networking, Management, Monitoring, Advanced, Tags, and Review + create. The Basics tab is selected.

A note says "Cost given below is an estimate and not the final price. Please use [Pricing calculator](#) for all your pricing needs." Below this, the "Price" section shows "1 X Standard B1s by Microsoft" with a cost of "1.2646 INR/hr". There are links for "Subscription credits apply", "Pricing for other VM sizes", "Terms of use", and "Privacy policy".

The "TERMS" section contains legal text about agreeing to terms and conditions, authorizing Microsoft to bill, and sharing contact information. It also notes that Microsoft does not provide rights for third-party offerings.

A warning message in a yellow box says: "⚠ You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab."

The "Basics" section shows "Subscription: Free Trial". Buttons at the bottom are < Previous, Next >, and Create (which is highlighted).

This screenshot shows the same Azure portal interface, but the "Basics" section is now filled with specific configuration details:

Setting	Value
Subscription	Free Trial
Resource group	DefaultResourceGroup-EUS
Virtual machine name	mymabhi
Region	Central India
Availability options	No infrastructure redundancy required
Security type	Standard
Image	Windows Server 2016 Datacenter - Gen2
VM architecture	x64
Size	Standard B1s (1 vcpu, 1 GB memory)
Enable Hibernation (preview)	No
Username	Abhi
Public inbound ports	RDP
Already have a Windows license?	No
Azure Spot	No

The "Disks" section shows settings for OS disk size (Image default), OS disk type (Standard HDD LRS), and other disk-related options like managed disks and ephemeral OS disk.

The "Networking" section shows a virtual network (mymabhi-vnet), subnet (default (10.0.0/24)), public IP (mymabhi-ip), and accelerated networking (Off).

At the bottom, buttons are < Previous, Next >, and Create (highlighted).

https://portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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

Dashboard > Create a resource > Create a virtual machine

Validation passed

Place this virtual machine behind an existing load balancing solution? No

Delete public IP and NIC when VM is deleted Enabled

Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable hotpatch	Off
Patch orchestration options	OS-orchestrated patching: patches will be installed by OS

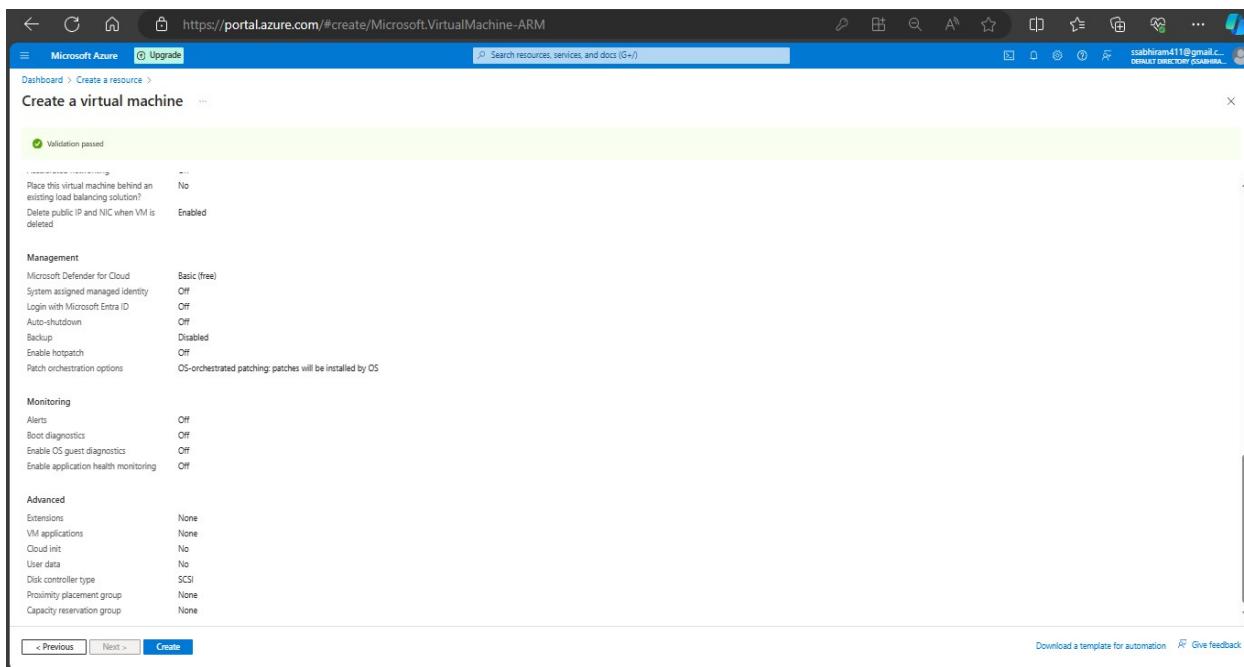
Monitoring

Alerts	Off
Boot diagnostics	Off
Enable OS guest diagnostics	Off
Enable application health monitoring	Off

Advanced

Extensions	None
VM applications	None
Cloud init	No
User data	No
Disk controller type	SCSI
Proximity placement group	None
Capacity reservation group	None

< Previous Next > Create Download a template for automation Give feedback



https://portal.azure.com/#/ssabhiram411@gmail.onmicrosoft.com/resource/subscriptions/c4498e5c-6513-4872-... Upgrade

Search resources, services, and docs (G+)

Dashboard > CreateVm-MicrosoftWindowsServer-201-20240407174209 | Overview >

myvmabhi Virtual machine

Connect Start Restart Stop Hibernate (preview) Capture Delete Refresh Open in mobile Feedback CLI / PS

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Connect Bastion Windows Admin Center Networking Network settings Load balancing Application security groups Network manager Settings Disks Extensions + applications Configuration Advisor recommendations

Essentials

Resource group (move)	: DefaultResourceGroup-EUS	Operating system	: Windows (Windows Server 2016 Datacenter)
Status	: Running	Size	: Standard_B1s
Location	: Central India	Public IP address	: 74.225.226.44
Subscription (move)	: Free Trial	Virtual network/subnet	: myvmabhi-vnet/default
Subscription ID	: c4498e5c-6513-4872-b5f1-0db5f8228cf	DNS name	: Not configured
		Health state	: -

Tags (edit) : Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name	myvmabhi
Operating system	Windows (Windows Server 2016 Datacenter)
Image publisher	MicrosoftWindowsServer
Image offer	WindowsServer
Image plan	2016-datacenter-gensecond
VM generation	V2
Agent status	Ready
Agent version	2.7.41491.1095
Hibernation	Disabled
Host group	-
Host	-

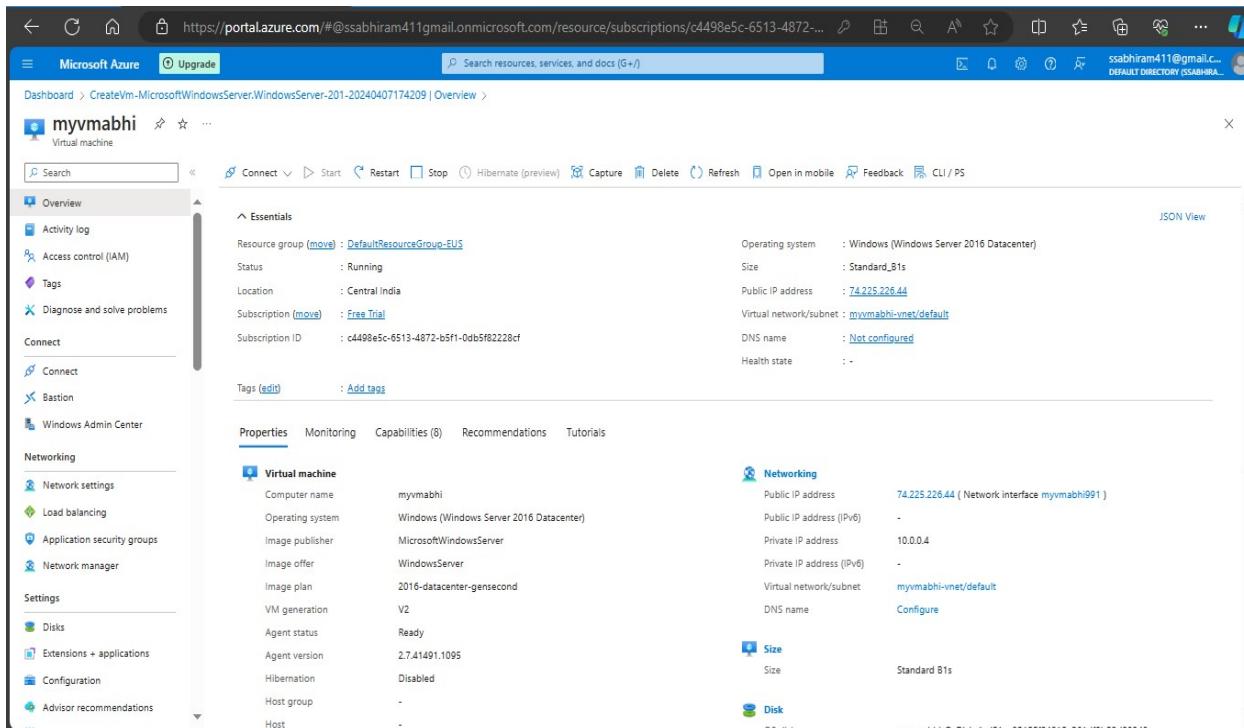
Networking

Public IP address	74.225.226.44 (Network interface myvmabhi991)
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	myvmabhi-vnet/default
DNS name	Configure

Size

Size	Standard_B1s
------	--------------

Disk



<https://portal.azure.com/#@ssabhiram411@gmail.onmicrosoft.com/resource/subscriptions/c4498e5c-6513-4872-...>

Microsoft Azure Upgrade ssabhiram411@gmail.c... DEFAULT DIRECTORY (SSABHIRA...)

Dashboard > Virtual machines >

Virtual machines Default Directory (ssabhiram411@gmail.onmicrosoft.com)

+ Create Switch to classic ...

Filter for any field...

Name ↑

myvmabhi ...

myvmabhi Virtual machine

Search Overview Connect Start Restart Properties Monitoring Capabilities

Show data for: Last 24 hours

Health events Unknown

Alerts

Enable recommended alert Get notified on important monitoring enabling commonly used alert rules or your own custom rules.

Enable Create alert rule

Performance and utilization Platform metrics See all Metrics

VM Availability (Preview)

100
80
60
40
20
0

More alerting options Estimated monthly total: 8.32 INR

Save Cancel

Set up recommended alert rules

Select alert rules

Percentage CPU is greater than 80 % Toggle

Available Memory Bytes is less than 1 GB Toggle

Data Disk IOPS Consumed Percentage is greater than 95 % Toggle

OS Disk IOPS Consumed Percentage is greater than 95 % Toggle

Network In Total is greater than 500 GB Toggle

Network Out Total is greater than 200 GB Toggle

VmAvailabilityMetric is less than 1 Toggle

Notify me by

Email ssabhiram411@gmail.com

Email Azure Resource Manager Role Select an Azure Resource Manager role

Azure mobile app notification ssabhiram411@gmail.com

Use an existing action group

More alerting options Estimated monthly total: 8.32 INR

Save Cancel

<https://portal.azure.com/#@ssabhiram411@gmail.onmicrosoft.com/resource/subscriptions/c4498e5c-6513-4872-...>

Microsoft Azure Upgrade ssabhiram411@gmail.c... DEFAULT DIRECTORY (SSABHIRA...)

Dashboard > Virtual machines >

Virtual machines Default Directory (ssabhiram411@gmail.onmicrosoft.com)

+ Create Switch to classic ...

Filter for any field...

Name ↑

myvmabhi ...

myvmabhi Virtual machine

Search Overview Connect Start Restart Properties Monitoring Capabilities

Show data for: Last 24 hours

Health events Unknown

Alerts

Enable recommended alert Get notified on important monitoring enabling commonly used alert rules or your own custom rules.

Enable Create alert rule

Performance and utilization Platform metrics See all Metrics

VM Availability (Preview)

100
80
60
40
20
0

More alerting options Estimated monthly total: 8.32 INR

Save Cancel

Set up recommended alert rules

Select alert rules

Percentage CPU is greater than 80 % Toggle

Alert rule name * Percentage CPU - myvmabhi

Severity 3 - Informational

Threshold type Static Dynamic

90
80
70
60
50
40
30
20
10
0

Apr 07 6 AM 12 PM UTC-05:30

Percentage CPU (Avg) myvmabhi

Available Memory Bytes is less than 1 GB Toggle

More alerting options Estimated monthly total: 8.32 INR

Save Cancel

To configure basic monitoring for an Azure virtual machine in Azure Monitor:

- Go to the Azure portal.
- In the left-hand menu, select "Virtual Machines".
- Click on the virtual machine you want to monitor.
- Under the Monitoring section, click on "Enable" to turn on monitoring for the virtual machine.
- Choose the metrics you want to monitor such as CPU, memory, disk, and network usage.
- Configure alerts for specific metrics to receive notifications when thresholds are exceeded.
- Once you've configured monitoring settings, click "Save" to apply the changes.
- Now we configured basic monitoring for your Azure virtual machine using Azure Monitor.

3.

Azure CLI (Command Line Interface) is a tool provided by Microsoft for managing Azure resources through the command line. It also help to manage virtual machines, databases, storage accounts etc.. Azure CLI provides a convenient and efficient way to automate tasks, deploy resources, and manage Azure services without relying on the Azure portal interface.

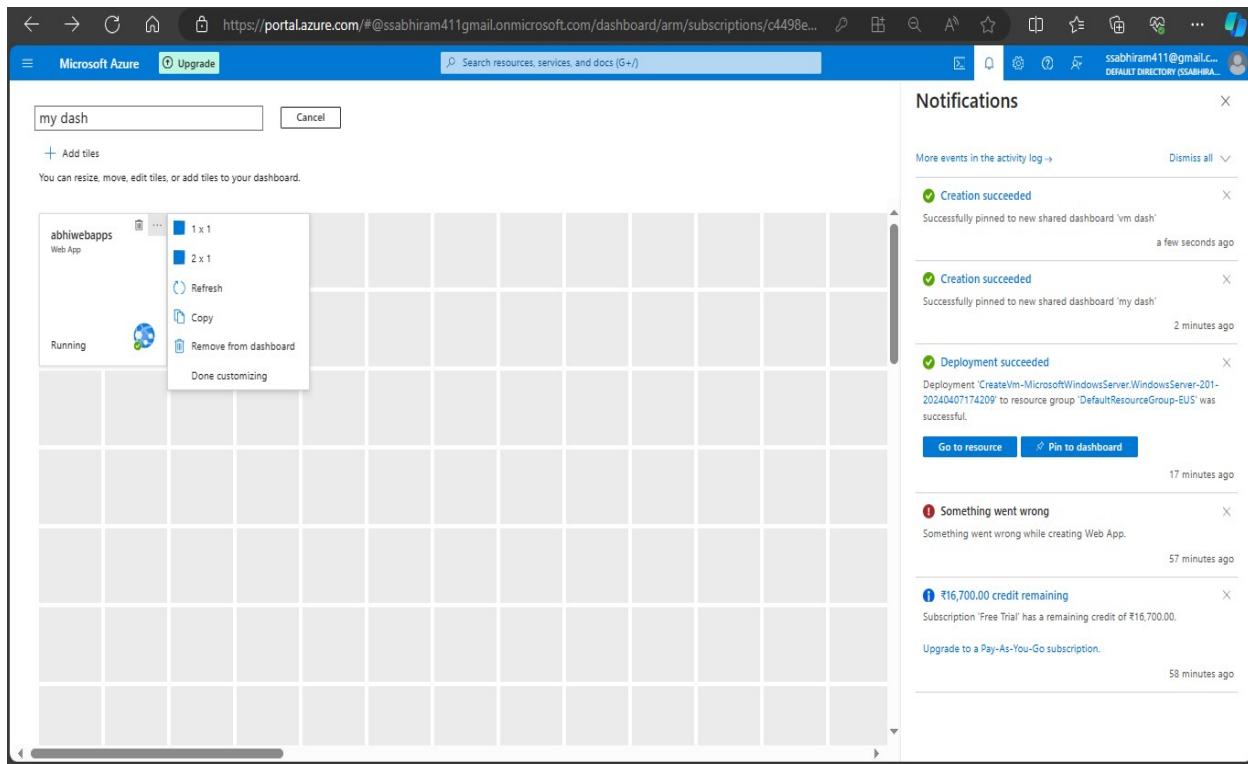
```
abhi [ ~ ]$ az vm list
[
  {
    "additionalCapabilities": {
      "hibernationEnabled": false,
      "ultraSSDEnabled": null
    },
    "applicationProfile": null,
    "availabilitySet": null,
    "billingProfile": null,
    "capacityReservation": null,
    "diagnosticsProfile": {
      "bootDiagnostics": {
        "enabled": true,
        "storageUri": null
      }
    },
    "etag": null,
    "evictionPolicy": null,
    "extendedLocation": null,
    "extensionsTimeBudget": null,
    "hardwareProfile": {
      "vmSize": "Standard_B1s",
      "vmSizeProperties": null
    },
    "host": null,
    "hostGroup": null,
    "id": "/subscriptions/c4498e5c-6513-4872-b5f1-0db5f82228cf/resourceGroups/DEFAULTRESOURCEGROUP-NULL/providers/Microsoft.Compute/virtualMachines/vmabhi",
    "identity": null,
    "instanceView": null,
    "licenseType": null,
    "location": "centralindia",
    "managedBy": null,
    "name": "vmabhi",
    "networkProfile": {
      "networkApiVersion": null,
      "networkInterfaceConfigurations": null,
      "networkInterfaces": [
        {
          "deleteOption": "Delete",
          "id": "/subscriptions/c4498e5c-6513-4872-b5f1-0db5f82228cf/resourceGroups/DefaultResourceGroup-null/providers/Microsoft.Network/networkInterfaces/vmabhi643",
          "primary": null,
          "resourceGroup": "DefaultResourceGroup-null"
        }
      ]
    },
    "osProfile": {
      "adminPassword": null,
      "adminUsername": "Abhi",
      "allowExtensionOperations": true,
      "computerName": "vmabhi",
      "customData": null,
      "linuxConfiguration": null,
      "requireGuestProvisionSignal": true,
      "secrets": [],
      "windowsConfiguration": {
        "additionalHypattendContent": null,
        "enableAutomaticUpdates": true,
        "enableVmAgentPlatformUpdates": false,
        "patchSettings": {
          "assessmentMode": "ImageDefault",
          "automaticByPlatformSettings": null,
          "enableHotpatching": false,
          "patchMode": "AutomaticByOS"
        },
        "provisionVmAgent": true,
        "timeZone": null,
        "winRm": null
      }
    }
  }
]
```

```
},
"plan": null,
"platformFaultDomain": null,
"priority": null,
"provisioningState": "Succeeded",
"proximityPlacementGroup": null,
"resourceGroup": "DEFAULTRESOURCEGROUP-NULL",
"resources": null,
"scheduledEventsProfile": null,
"securityProfile": {
    "encryptionAtHost": null,
    "encryptionIdentity": null,
    "proxyAgentSettings": null,
    "securityType": "TrustedLaunch",
    "uefiSettings": {
        "secureBootEnabled": true,
        "vTpmEnabled": true
    }
},
"storageProfile": {
    "dataDisks": [],
    "diskControllerType": "SCSI",
    "imageReference": {
        "communityGalleryImageId": null,
        "exactVersion": "14393.6796.240302",
        "id": null,
        "offer": "WindowsServer",
        "publisher": "MicrosoftWindowsServer",
        "sharedGalleryImageId": null,
        "sku": "2016-datacenter-gensecond",
        "version": "latest"
    },
    "osDisk": {
        "caching": "ReadWrite",
        "createOption": "FromImage",
        "deleteOption": "Delete",
        "diffDiskSettings": null
    }
},
```

```
"image": null,
"managedDisk": {
    "diskEncryptionSet": null,
    "id": "/subscriptions/c4498e5c-6513-4872-b5f1-0db5f82228cf/resourceGroups/DefaultResourceGroup-null/providers/Microsoft.Compute/disks/vmabhi_OsDisk_1_77a2be2da7a347d8a90c7c7e572fb0aa",
    "resourceGroup": "DefaultResourceGroup-null",
    "securityProfile": null,
    "storageAccountType": "Standard_LRS"
},
"name": "vmabhi_OsDisk_1_77a2be2da7a347d8a90c7c7e572fb0aa",
"osType": "Windows",
"vhd": null,
"writeAcceleratorEnabled": null
}
},
"tags": null,
"timeCreated": "2024-04-07T13:53:48.154195+00:00",
"type": "Microsoft.Compute/virtualMachines",
"userData": null,
```

4.

Azure dashboard is used to add the number of service which we created in our azure account in a single slide. It helps to find the resources easily and also we can edit the dashboard size etc..



5.

Azure Firewall is a network security service in Microsoft Azure that acts as a barrier between your Azure Virtual Network and the internet. It filters and monitors inbound and outbound traffic based on user-defined rules to protect your network resources from unauthorized access and threats. Azure Firewall provides features like traffic filtering, network address translation, scalability etc.. making it easier to secure your Azure infrastructure and applications.

This screenshot shows the 'Create a firewall' wizard in the Microsoft Azure portal. The first step, 'Basics', is selected. The page includes fields for Project details (Subscription: Free Trial, Resource group: DefaultResourceGroup-null), Instance details (Name: firewallabhi, Region: South India, Availability zone: None), and Firewall SKU (Basic selected). A note indicates that Premium firewalls support additional capabilities like SSL termination and IDPS. Navigation buttons at the bottom include 'Previous', 'Next : Tags >', and 'Download a template for automation'.

This screenshot shows the 'Create a firewall' wizard in the Microsoft Azure portal, continuing from the previous step. The second step involves configuring the Firewall policy (mypolicy) and choosing a virtual network. Under 'Choose a virtual network', 'Create new' is selected. Other fields include Virtual network name (vnet), Address space (10.0.0.0/16), Subnet (AzureFirewallSubnet), IPv4 subnet (10.0.0.0/24), Public IP address (Choose public IP address), Management subnet name (AzureFirewallManagementSubnet), Subnet address space (10.0.1.0/24), and Management public IP address (ip (20.44.63.133)). Navigation buttons at the bottom include 'Previous', 'Next : Tags >', and 'Download a template for automation'.

Microsoft.AzureFirewall-20240407205917 | Overview

Your deployment is complete

Deployment name : Microsoft.AzureFirewall-20240407205917
Subscription : Free Trial
Resource group : DefaultResourceGroup-null

Start time : 4/7/2024, 8:59:20 PM
Correlation ID : 47822fc9-bf32-4796-8e8f-311dae1c35a3

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Cost
 Get it
 prev
 Set it

Micr
 Secu
 Go to

Free
 Start

Wor
 Azur
 who
 and

Find

firewallabhi Firewall

Overview

Essentials

Resource group (move) : DefaultResourceGroup-null	SKU : Basic(change)
Location : South India	Subnet : AzureFirewallSubnet
Subscription (move) : Free Trial	Public IP : (None)
Subscription ID : c449ae5c-6513-4872-b5f1-0db5f82228cf	Private IP : 10.0.0.4
Virtual network : vnet	Management subnet : AzureFirewallManagementSubnet
Firewall policy : mypolicy	Management public IP : (None)
Provisioning state : Succeeded	Private IP Ranges : Managed by Firewall Policy
Tags (edit) : Add tags	Route Server (preview) : Add

Firewall policy

Visit Azure Firewall Manager at the link below to edit the Firewall Policy on this firewall

Policy mypolicy (change)

Auto-learn IP Prefixes Disabled

Rules

DNAT rules	0 rules in 0 collections
Network rules	0 rules in 0 collections
Application rules	0 rules in 0 collections

To create an Azure Firewall :

- Go to Azure Portal.
- Click Create a resource and search Azure Firewall.
- Enter basic settings like name, subscription, resource group, and region.
- Review and click Create.
- Once deployed, configure firewall rules and policies.
- Monitor and manage through Azure Monitor.
- Update rules and policies as required.

6.

Azure Storage account with Blob storage is a cloud-based storage solution provided by Microsoft Azure. It allows you to store and manage unstructured data, such as documents, images, videos, and backups. Blob storage is one of the services offered within Azure Storage and is optimized for storing massive amounts of data. It provides scalable, durable, and highly available storage with features like tiered storage . Azure Blob storage is commonly used for applications requiring large-scale data storage, backup and recovery etc

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The top navigation bar includes 'Microsoft Azure', 'Upgrade', and a search bar. The main content area is titled 'Create a storage account'. The configuration details are organized into sections: 'Subscription' (Free Trial), 'Resource group' (abhiresource), 'Location' (Central India), 'Storage account name' (ahiramstorage), 'Performance' (Standard), and 'Replication' (Read-access geo-redundant storage (RA-GRS)). Below these, the 'Advanced' section includes settings for hierarchical namespace, SFTP, network file system v3, cross-tenant replication, access tier (Hot), and large file shares. The 'Security' section covers secure transfer, blob anonymous access, storage account key access, and TLS version (Version 1.2). At the bottom, there are 'Previous' and 'Next' buttons, and a prominent blue 'Create' button.

Subscription	Free Trial
Resource group	abhiresource
Location	Central India
Storage account name	ahiramstorage
Performance	Standard
Replication	Read-access geo-redundant storage (RA-GRS)

Advanced	
Enable hierarchical namespace	Disabled
Enable SFTP	Disabled
Enable network file system v3	Disabled
Allow cross-tenant replication	Enabled
Access tier	Hot
Enable large file shares	Disabled

Security	
Secure transfer	Enabled
Blob anonymous access	Enabled
Allow storage account key access	Enabled
Default to Microsoft Entra authorization in the Azure portal	Disabled
Minimum TLS version	Version 1.2
Permitted scope for copy operations	From any storage account

Home >

 abhiramstorage_1712571297971 | Overview ...

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

!!! Deployment is in progress

Deployment name: abhiramstorage_1712571297971
 Subscription: [Free Trial](#)
 Resource group: [abhiresource](#)

 Start time: 4/8/2024, 3:45:35 PM
 Correlation ID: a73b3c77-66f7-4f0e-be93-723996641b08

Deployment details

Resource	Type	Status	Operation details
No results.			

Give feedback

Tell us about your experience with deployment

Home > abhiramstorage_1712571297971 | Overview >

 abhiramstorage ...

Storage account

Search

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

JSON View

Essentials

Resource group (move)	: abhiresource	Performance	: Standard
Location	: centralindia	Replication	: Read-access geo-redundant storage (RA-GRS)
Primary/Secondary Location	: Primary: Central India, Secondary: South India	Account kind	: StorageV2 (general purpose v2)
Subscription (move)	: Free Trial	Provisioning state	: Succeeded
Subscription ID	: c4498e5c-6513-4872-b5f1-0db5f82228cf	Created	: 8/4/2024, 3:45:37 pm
Disk state	: Primary: Available, Secondary: Available		

Tags ([edit](#))[Add tags](#)

Data storage

Containers

File shares

Queues

Tables

Security + networking

Networking

Front Door and CDN

Access keys

Shared access signature

Encryption

Blob service

Hierarchical namespace	Disabled	Security	Require secure transfer for REST API operations	Enabled
Default access tier	Hot	Storage account key access	Enabled	
Blob anonymous access	Enabled	Minimum TLS version	Version 1.2	
Blob soft delete	Enabled (7 days)	Infrastructure encryption	Disabled	
Container soft delete	Enabled (7 days)			
Versioning	Disabled			
Change feed	Disabled			
NFS v3	Disabled	Allow access from	All networks	
Allow cross-tenant replication	Enabled	Number of private endpoint connections	0	
Storage tasks assignments	None	Network routing	Microsoft network routing	
		Access for trusted Microsoft services	Yes	

abhiramstorage | Containers

Storage account

Search		<input type="button" value="Container"/>	<input type="button" value="Change access level"/>	<input type="button" value="Restore containers"/>	<input type="button" value="Refresh"/>	<input type="button" value="Delete"/>	<input type="button" value="Give feedback"/>
Search containers by prefix:							
Name		Last modified	Anonymous access level	Lease state			
<input type="checkbox"/> Slogs		4/8/2024, 3:46:06 PM	Private	Available			
<input type="checkbox"/> mycont		4/8/2024, 3:48:36 PM	Private	Available			

Data storage

- Containers
- File shares
- Queues
- Tables

Security + networking

- Networking
- Front Door and CDN
- Access keys
- Shared access signature
- Encryption

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Upload blob

1 file(s) selected: ss.jpg
Drag and drop files here or [Browse for files](#)

Select an existing container
 [Create new](#)

Overwrite if file already exist

[Upload](#) [Give feedback](#)

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Successfully uploaded blob(s)
Successfully uploaded 1 blob(s).

Upload blob

1 file(s) selected: ss.jpg
Drag and drop files here or [Browse for files](#)

Select an existing container
 [Create new](#)

Overwrite if file already exist

[Upload](#) [Give feedback](#)

The screenshot shows the Microsoft Azure Storage Blob Container page for a container named 'mycont'. The left sidebar includes options like Overview, Diagnose and solve problems, Access Control (IAM), Settings, Shared access tokens, Access policy, Properties, and Metadata. The main area displays a table of blobs with one entry:

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
ss.jpg	4/8/2024, 3:50:05 PM	Hot (inferred)		Block blob	773.97 KB	Available

To create an Azure storage blob account

- Go to Azure portal
- Search Azure Storage account and open it
- Enter the basic settings such as subscription, account name etc
- Select the account setup the other basic information
- Activate the blob storage to create a blob account
- After creating the blob account create the container
- And then in the container add the item which we need to add\
- This how we create the blob storage account in storage account.

7.

Azure Virtual Network (VNet) is a foundational component of Azure networking that allows you to securely connect Azure resources together, as well as extend your on-premises network to the cloud. It provides isolation, segmentation, and control over your Azure resources, allowing you to define private IP address spaces, subnets, routing tables, security policies, and more.

The screenshot shows the Azure portal interface for creating a virtual network. The top navigation bar includes 'Microsoft Azure', 'Upgrade', and a search bar. The main title is 'Create a resource > Marketplace > Virtual network > Create virtual network'. The 'IP addresses' tab is selected. On the left, there's a summary of the address space: '10.0.0.0/16' with '65,536 addresses'. A note says 'A NAT gateway is recommended for outbound internet access from subnets. Edit the subnet to add a NAT gateway.' On the right, the 'Add a subnet' dialog is open. It shows 'Subnet purpose' set to 'Default' and 'Name' set to 'default2'. Under 'IPv4', it shows 'Include an IPv4 address space' checked, with 'IPv4 address range' set to '10.0.0.0/16' and 'Starting address' set to '10.0.1.0'. The 'Size' dropdown is set to '/24 (256 addresses)'. The 'Subnet address range' is listed as '10.0.1.0 - 10.0.1.255'. Under 'IPv6', it says 'This virtual network has no IPv6 address ranges.' In the 'Private subnet' section, there's a note about private subnets enhancing security by not providing default outbound access. At the bottom, there are 'Add' and 'Cancel' buttons.

The screenshot shows the 'Create virtual network' configuration page. The top navigation bar and tabs ('Basics', 'Security', 'IP addresses', 'Tags', 'Review + create') are identical to the previous screenshot. The main content area shows the same address space summary: '10.0.0.0/16' with '65,536 addresses'. A note at the bottom of this section also recommends a NAT gateway. Below this, the 'Subnets' table is shown again, with the 'default' subnet and a new 'MySubnet' entry. The 'MySubnet' row shows the IP address range '10.0.1.0 - 10.0.1.255' and size '/24 (256 addresses)'. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons.

Microsoft Azure Upgrade

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Home > Create a resource > Marketplace > Virtual network >

Create virtual network

Basics Security IP addresses Tags Review + create

[View automation template](#)

Basics

Subscription	Free Trial
Resource Group	abhiwebapp
Name	Abhivn
Region	South India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.0.0.0/16 (65536 addresses)
Subnet	default (10.0.0.0/24) (256 addresses)
Subnet	MySubnet (10.0.1.0/24) (256 addresses)

Tags

Previous Next Create https://portal.azure.com/#

Give feedback

Microsoft Azure Upgrade

Search resources, services, and docs (G+)

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Home > **Abhivn-1712501623008 | Overview**

Deployment

Search Deployment Delete Cancel Redeploy Download Refresh

Your deployment is complete

Deployment name : Abhivn-1712501623008 Start time : 4/7/2024, 8:23:45 PM

Subscription : Free Trial Correlation ID : 7c385a95-849d-46c0-b559-59f6f51f92fb

Resource group : abhiwebapp

Inputs Outputs Template

Deployment details Next steps Go to resource

Give feedback Tell us about your experience with deployment

Cost management Get notified to stay within your budget and prevent unexpected charges on your bill. Set up cost alerts >

Microsoft Defender for Cloud Secure your apps and infrastructure Go to Microsoft Defender for Cloud >

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Work with an expert Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. Find an Azure expert >

Microsoft Azure Upgrade

Search resources, services, and docs (G+)

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Home > Abhivn-1712501623008 | Overview

Abhivn

Virtual network

Move Delete Refresh Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Address space Connected devices Subnets Bastion DDoS protection Firewall Microsoft Defender for Cloud Network manager DNS servers Peerings Service endpoints Private endpoints Properties Locks

Essentials

Resource group (move)	: abhiwebapp	Address space	: 10.0.0.0/16
Location (move)	: South India	DNS servers	: Azure provided DNS service
Subscription (move)	: Free Trial	Flow timeout	: Configure
Subscription ID	: c4490e5c-6513-4872-b5f1-0db5f02228cf	BGP community string	: Configure
		Virtual network ID	: ce8a53b8-8309-4767-8ffd-399d1df917a0

Tags (edit) : Add tags

Topology Properties Capabilities (5) Recommendations Tutorials

DDoS protection Configure additional protection from distributed denial of service attacks. Not configured

Azure Firewall Protect your network with a stateful L3-L7 firewall. Not configured

Peerings Seamlessly connect two or more virtual networks. Not configured

Microsoft Defender for Cloud Strengthen the security posture of your environment.

Private endpoints Privately access Azure services without sending traffic across internet. Not configured

JSON View

Microsoft Azure Upgrade

Search resources, services, and docs (G+)

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Home > Abhivn-1712501623008 | Overview > Abhivn

Abhivn | Subnets ...

Virtual network

Search

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Subnets

Bastion

DDoS protection

Firewall

Microsoft Defender for Cloud

Network manager

DNS servers

Peerings

Service endpoints

Private endpoints

Properties

Locks

Subnet Gateway subnet Refresh Manage users Delete

Search subnets

Name ↑↓	IPv4 ↑↓	IPv6 ↑↓	Available IPs ↑↓	Delegated to ↑↓	Security group ↑↓	Route table ↑↓	...
default	10.0.0/24	-	251	-	-	-	...
MySubnet	10.0.1.0/24	-	251	-	-	-	...

Give feedback

To create an Azure Virtual Network

- Go to the Azure portal
- Search for Azure Virtual Network and then create
- Enter the necessary details such as subscription , resource, VNet name etc.
- And specify the IP name
- Create the new subnet and enter their IP number
- Enter the other basic details
- Then the Azure Virtual network with different IP address range will be created

8.

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

Home > Create a resource > Marketplace > Virtual machine scale set > Create a virtual machine scale set

Create a virtual machine scale set

Basics Spot Disks Networking Management Health Advanced Tags Review + create

Azure virtual machine scale sets let you create and manage a group of load balanced VMs. The number of VM instances can automatically increase or decrease in response to demand or a defined schedule. Scale sets provide high availability to your applications, and allow you to centrally manage, configure, and update a large number of VMs.

Learn more about virtual machine scale sets ↗

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) abhiramresource

Scale set details

Virtual machine scale set name * Ramvmss

Region * (Asia Pacific) Central India

Availability zone None

Orchestration

A scale set has a "scale set model" that defines the attributes of virtual machine instances (size, number of data disks, etc). As the number of instances in the scale set changes, new instances are added based on the scale set model.

Learn more about the scale set model ↗

< Previous Next : Spot > Review + create Give feedback

Notifications

More events in the activity log → Dismiss all

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Upgrade to a Pay-As-You-Go subscription. 17 minute

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

Home > Create a resource > Marketplace > Virtual machine scale set > Create a virtual machine scale set

Create a virtual machine scale set

number of instances in the scale set changes, new instances are added based on the scale set model. Learn more about the scale set model ↗

Orchestration mode * Uniform: optimized for large scale stateless workloads with identical instances Flexible: achieve high availability at scale with identical or multiple virtual machine types

Security type Trusted launch virtual machines

Scaling

Scaling mode * Autoscaling: Scaling based on a CPU metric, or any schedule. Manually update the capacity: Maintain a fixed amount of instances. No scaling profile: manual attach virtual machines after deployment

Scaling configuration * **Scaling configuration**
Scaling condition count: 1
Predictive autoscaling: Disabled
Diagnostic logs: Disabled
Scale-in policy: Default
Force delete: Disabled
Configure

Instance details

Image * Windows Server 2016 Datacenter - x64 Gen2 (free services eligible)

VM architecture Arm64

< Previous Next : Spot > Review + create Give feedback

Notifications

More events in the activity log →

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Upgrade to a Pay-As-You-Go subscription.

Microsoft Azure Upgrade

Search resources, services, and docs (G+/)

Home > Create a resource > Marketplace > Virtual machine scale set > Create a virtual machine

Add a scaling condition

Scaling configuration ...

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application. [Learn more about VMSS scaling.](#)

Scaling conditions

Add a scaling condition		<input type="button" value="Delete"/>	
Condition	Mode	Instance Count	CPU Th
<input type="checkbox"/> Default condition	Autoscale	(2, 20, 2)	(80%, 2)

Predictive autoscaling

Enable forecast for predictive autoscaling

Diagnostic logs

Collect diagnostic logs from Autoscale

Scale-In policy

Notification:

- More events in the activity log
- ₹16,690.69 credit available
- Subscription 'Free Trial'
- Upgrade to a Pay-As-You-Go plan

Microsoft Azure Upgrade

Search resources, services, and docs (G+/)

Home > Create a resource > Marketplace > Virtual machine scale set > Create a virtual machine scale set >

Scaling configuration

Scaling conditions

Add a scaling condition		<input type="button" value="Delete"/>		
Condition	Mode	Instance Count	CPU Threshold	Schedule
<input type="checkbox"/> Default condition	Autoscale	(2, 20, 2)	(50%, 20%)	No <input type="button" value="Edit"/>

Predictive autoscaling

Enable forecast for predictive autoscaling

Diagnostic logs

Collect diagnostic logs from Autoscale

Scale-In policy

Notification:

- More events in the activity log
- ₹16,690.69 credit available
- Subscription 'Free Trial'
- Upgrade to a Pay-As-You-Go plan

Microsoft Azure Upgrade

Home > Create a resource > Marketplace > Virtual machine scale set >

Create a virtual machine scale set

Validation passed

Basics Spot Disks Networking Management Health Advanced Tags Review + create

Basics

Subscription	Free Trial
Resource group	(new) abhiresource
Virtual machine scale set name	Ramvms
Region	Central India
Orchestration mode	Uniform
Availability zone	None
Image	Windows Server 2016 Datacenter - Gen2
Size	Standard_B1s (1 vcpu, 1 GiB memory)
Scaling mode	Autoscaling
Scaling condition count	1
Predictive autoscaling	Enabled
Diagnostic logs	Disabled
Scale-in policy	Default
Force delete	Disabled
Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Enable Hibernation (preview)	No

< Previous Next > Create

Download a template for automation Give feedback

Microsoft Azure Upgrade

Home >

CreateVmss-MicrosoftWindowsServer.WindowsServer-2-20240408113247 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Deployment is in progress

Deployment name : CreateVmss-MicrosoftWi... Start time : 4/8/2024, 11:46:22 AM

Subscription : Free Trial Correlation ID : 7487054c-5b93-407e-af2...

Resource group : abhiresource

Deployment details

Resource	Type	Status
Ramvms	Virtual machine scale set	Created
abhiresource-vnet	Virtual network	OK
basicNsgabhiresource	Network security group	OK

Give feedback Tell us about your experience with deployment

Notifications

More events in the activity log →

*** Deployment in progress... Deployment to resource group 'abhiresource' is ir...

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Microsoft Azure Upgrade

Home > CreateVmss-MicrosoftWindowsServer.WindowsServer-2-20240408113247 | Overview

Ramvms

Virtual machine scale set

Search Move Start Restart Stop Hibernate (preview) Reimage Delete Refresh Feedback

Overview

Essentials

Resource group (move)	abhiresource
Status	2 out of 2 succeeded
Location	Central India
Subscription (move)	Free Trial
Subscription ID	c498e5c-6513-4872-b5f1-0db5f62228cf

Properties

Virtual machine profile	Operating system	Windows
	Image publisher	MicrosoftWindowsServer
	Image offer	WindowsServer
	Image plan	2016-datacenter-gensecond
Capacity reservation group	-	
Hibernation	Disabled	

Networking

Public IP address	-
Public IP address (IPv6)	-
Virtual network/subnet	abhiresource-vnet/default

Size

Size	Standard_B1s
vCPUs	1
RAM	1 GiB

Notifications

More events in the activity log → Dismiss all

Deployment succeeded Deployment 'CreateVmss-MicrosoftWindowsServer.WindowsServer-2-20240408113247' to resource group 'abhiresource' was successful.

Go to resource Pin to dashboard a few second

₹16,690.69 credit remaining Subscription 'Free Trial' has a remaining credit of ₹16,690.69.

Upgrade to a Pay-As-You-Go subscription. 31 minute

Microsoft Azure [Upgrade](#)

Search resources, services, and docs (G+/)

Home > CreateVmss-MicrosoftWindowsServer.WindowsServer-2-20240408113247 | Overview > Ramvmss

Ramvmss | Scaling

Virtual machine scale set

Search Save Discard Refresh Logs Feedback

Networking

- Network settings
- Load balancing
- Application security groups
- Network manager

Settings

- Disk
- Extensions + applications
- Operating system
- Configuration
- Properties
- Locks

Availability + scale

- Scaling **Selected**
- Size

Security

- Identity
- Microsoft Defender for Cloud

Operations

Configure Scale-In Policy Predictive charts Run history JSON Notify Diagnostic settings

Autoscale is a built-in feature that helps applications perform their best when demand changes. You can choose to scale your resource manually to a specific instance count, or via a custom Autoscale policy that scales based on metric(s) thresholds, or schedule instance count which scales during designated time windows. Autoscale enables your resource to be performant and cost effective by adding and removing instances based on demand. [Learn more about Azure Autoscale](#) or [view the how-to video](#).

Choose how to scale your resource

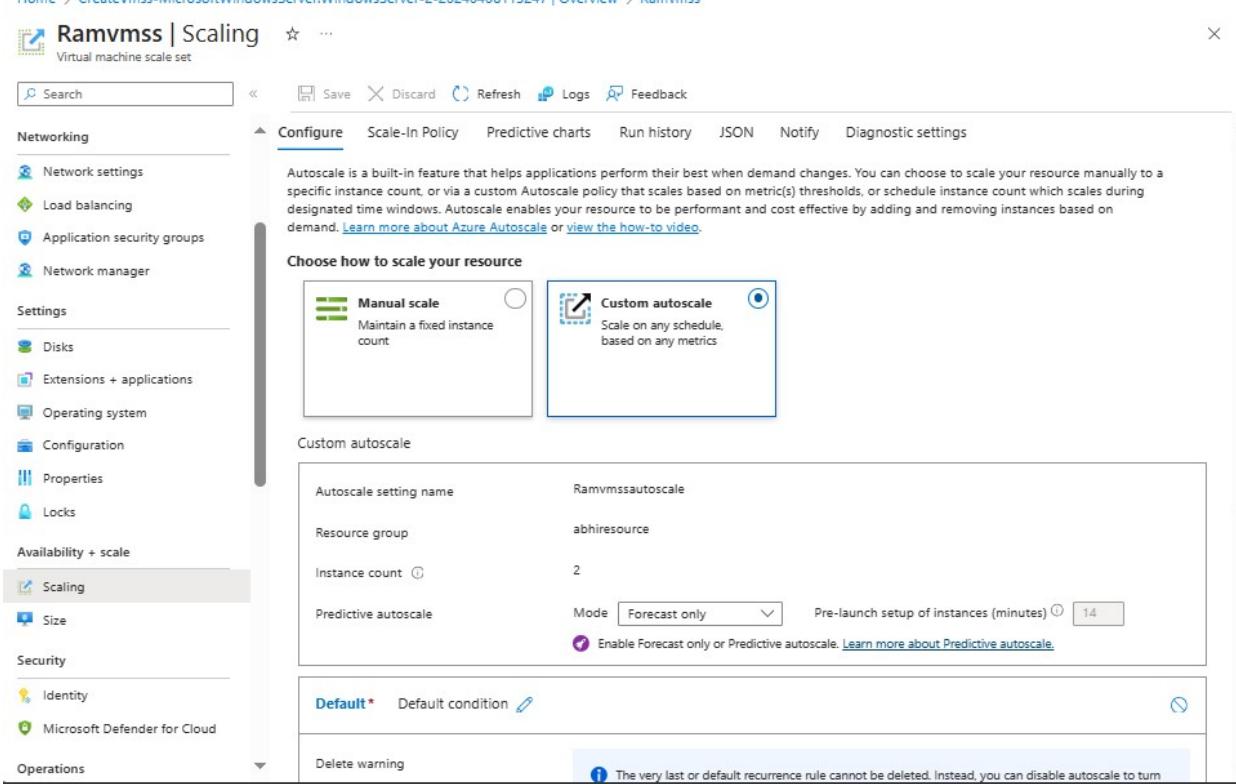
- Manual scale: Maintain a fixed instance count
- Custom autoscale: Scale on any schedule, based on any metrics **Selected**

Custom autoscale

Autoscale setting name	Ramvmssautoscale
Resource group	abhiresource
Instance count	2
Predictive autoscale	Mode: Forecast only Pre-launch setup of instances (minutes): 14 <input checked="" type="checkbox"/> Enable Forecast only or Predictive autoscale. Learn more about Predictive autoscale .

Default* Default condition [Edit](#)

Delete warning [The very last or default recurrence rule cannot be deleted. Instead, you can disable autoscale to turn](#)



To automatically scale virtual machine resources in Azure:

- Utilize Azure Autoscale to monitor metrics like CPU utilization or request rates.
- Set up scaling rules to increase VM instances during high demand and decrease them during low demand.
- Configure scaling actions such as adding or removing VM instances or adjusting resources.
- Implement scaling within virtual machine scale sets (VMSS) or use Azure Automation Runbooks for individual VMs.
- Test and iterate the autoscaling configuration for optimal performance and cost efficiency.

9.

Azure Storage account with Table storage provides a key-value store for storing structured data in the cloud. It's a cost-effective solution for scenarios requiring massive-scale structured data storage. Table storage offers high availability, scalability, and global distribution, making it suitable for various applications such as logging and application data.

The screenshot shows the Microsoft Azure portal interface for managing an Azure Storage account. The main title bar reads "Microsoft Azure" and "abhiramstorage Storage account". The left sidebar lists navigation options like "All resources", "Overview", "Activity log", "Tags", "Diagnose and solve problems", "Access Control (IAM)", "Data migration", "Events", "Storage browser", "Storage Mover", "Data storage" (Containers, File shares, Queues, Tables), "Security + networking" (Networking, Front Door and CDN, Access keys, Shared access signature, Encryption), and "File service".

The "Overview" tab is selected, showing the following details:

Essentials	
Resource group (...	: abhiresource
Location	: centralus
Subscription (move)	: Free Trial
Subscription ID	: c4d98e5c-6513-4872-b5f1-0db5f82228cf
Disk state	: Available
Tags (edit)	: Add tags
Performance	: Standard
Replication	: Locally-redundant storage (LRS)
Account kind	: StorageV2 (general purpose v2)
Provisioning state	: Succeeded
Created	: 8/4/2024, 4:45:48 pm

Below the essentials section are tabs for "Properties", "Monitoring", "Capabilities (7)", "Recommendations (0)", "Tutorials", and "Tools + SDKs".

The "File service" section contains the following configuration:

Setting	Value	Notes
Hierarchical namespace	Disabled	
Default access tier	Hot	
Blob anonymous access	Disabled	
Blob soft delete	Enabled (7 days)	
Container soft delete	Enabled (7 days)	
Versioning	Disabled	
Change feed	Disabled	
NFS v3	Disabled	
Allow cross-tenant replication	Disabled	
Storage tasks assignments	None	
Require secure transfer for REST API operations	Enabled	
Storage account key access	Enabled	
Minimum TLS version	Version 1.2	
Infrastructure encryption	Disabled	

The "Networking" section shows the following settings:

Setting	Value	Notes
Allow access from	All networks	
Number of private endpoint connections	0	
Network routing	Microsoft network routing	
Access for trusted Microsoft services	Yes	
Endpoint type	Standard	

Microsoft Azure Upgrade

Home > All resources > abhiramstorage

All resources

Default Directory

+ Create Manage view ...

Filter for any field... Name ↑ abhiramstorage ...

abhiramstorage | Tables Storage account

Search

Overview Activity log Tags

Diagnose and solve problems

Access Control (IAM)

Data migration Events

Storage browser Storage Mover

Data storage

Containers File shares Queues Tables

Security + networking

Networking Front Door and CDN Access keys Shared access signature Encryption

Page 1 of 1

 Forbidden

Summary

Session ID: f0c875f2b5584692b4a16b174d773390 Resource ID: /subscriptions/c4498e5c-6513-4872-b5f1-0db5f82228cf...
Extension: Microsoft_Azure_Storage Content: TableServiceBlade
Error code: 403 Storage Request ID: e66fd859-5002-005c-5ea8-895d05000000

Details

- This request is not authorized to perform this operation using this permission. RequestId:e66fd859-5002-005c-5ea8-895d05000000 Time:2024-04-08T11:29:59.8094319Z
- Learn more about authorizing access to Azure Storage

abhiramstorage | Containers Storage account

Search

+ Container Change access level Restore containers Refresh Delete Give feedback

Search containers by prefix

Show deleted containers

Name	Last modified	Anonymous access level	Lease state
Slogs	4/8/2024, 4:46:12 PM	Private	Available

Overview Activity log Tags

Diagnose and solve problems

Access Control (IAM)

Data migration Events

Storage browser Storage Mover

Data storage

Containers File shares Queues Tables

Security + networking

Networking Front Door and CDN Access keys Shared access signature Encryption

abhiramstorage | File shares Storage account

Search

+ File share Refresh

File share settings

Identity-based access: Not configured Default share-level permissions: Disabled Soft delete: 7 days Maximum capacity: 5 TiB

Security: Maximum compatibility

Search file shares by prefix (case-sensitive)

Show deleted shares

Name	Modified	Tier	Quota
You don't have any file shares yet. Click '+ File share' to get started.			

Overview Activity log Tags

Diagnose and solve problems

Access Control (IAM)

Data migration Events

Storage browser Storage Mover

Data storage

Containers File shares Queues Tables

Security + networking

Networking Front Door and CDN Access keys Shared access signature Encryption

The screenshot shows the 'Queues' blade in the Azure Storage account 'abhiramstorage'. The left sidebar contains navigation links for Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, and Storage Mover. Under 'Data storage', 'Queues' is selected and highlighted with a grey bar. Other options include Containers, File shares, and Tables. The main content area has a search bar at the top labeled 'Search queues by prefix'. Below it, there's a table with columns 'Queue' and 'Url'. A message states 'You don't have any queues yet.' There are also buttons for '+ Queue', 'Refresh', 'Delete', and 'Give feedback'.

To create Azure table storage account

- Go to Azure portal
- Search Azure Storage account and open it
- Enter the basic settings such as subscription, account name etc
- Select the account setup the other basic information
- Activate storage v2 for all type of storage
- After creating the enter the table section and create a table name
- Then open the Azure Storage Explore and login to the account
- After getting login create the table and enter the necessary detail
- This how we create the Azure table storage

10.

Proactive monitoring of Azure resources involves continuously tracking and analyzing performance metrics, logs, and other relevant data to identify potential issues before they impact operations. It entails setting up alerts based on predefined thresholds or conditions, enabling teams to take proactive actions to address emerging problems and maintain system reliability and performance.

The screenshot shows the 'Create an alert rule' interface in the Microsoft Azure portal. At the top, there are tabs for Scope, Condition, Actions, Details, Tags, and Review + create. The Actions tab is selected. A sub-header indicates that an action group is a set of actions applied to an alert rule, with a link to 'Learn more'. Below this, there are three options: 'Use quick actions (preview)', 'Select one or more of the quick actions.', 'Use action groups', 'Add an existing action group or create a new one.', and 'None'. The 'Use action groups' option is selected. The 'Action groups' section shows a table with one entry: 'Abhigroup' under 'Action group name' and '1 Email' under 'Contains actions'. There is also a 'Manage action groups' link. At the bottom, there are buttons for 'Review + create', 'Previous', and 'Next: Details >'.

The screenshot shows the 'Monitor | Alerts' dashboard in the Microsoft Azure portal. On the left, a navigation menu includes 'Overview', 'Activity log', 'Alerts' (which is selected), 'Metrics', 'Logs', 'Change Analysis', 'Service health', 'Workbooks', 'Insights' (with sub-options like Applications, Virtual Machines, Storage accounts, Containers, Networks, SQL (preview), Azure Cosmos DB, Key Vaults, Azure Cache for Redis, Azure Data Explorer Clusters, and Log Analytics workspaces), and 'Metrics'. The main area displays alert statistics: 'Total alerts' (0), 'Critical' (0), 'Error' (0), 'Warning' (0), 'Informational' (0), and 'Verbose' (0). It also shows filters for 'Subscription: c498e5c-6513-4872-b5f1-0db5f82228cf', 'Time range: Past 24 hours', 'Alert condition: Fired', 'Severity: all', and 'Add filter'. A large 'No alerts found' message with a warning icon is centered, followed by a note: 'Try changing your search or choose a different scope level if you don't see what you're looking for.' and a 'Clear filters' button. At the top right, the user's email (ssabhiram411@gmail.com) and 'DEFAULT DIRECTORY' are shown.

To ensure the proactive monitoring of azure resiource

- Go to Azure portal
- Search Azure monitor and create it
- And then create the monitor key resource then configure custom metrices
- Then to create a notification section enter the necessary notification types like e-mail, SMS etc.
- Then set up the alert section to trigger the alert condition