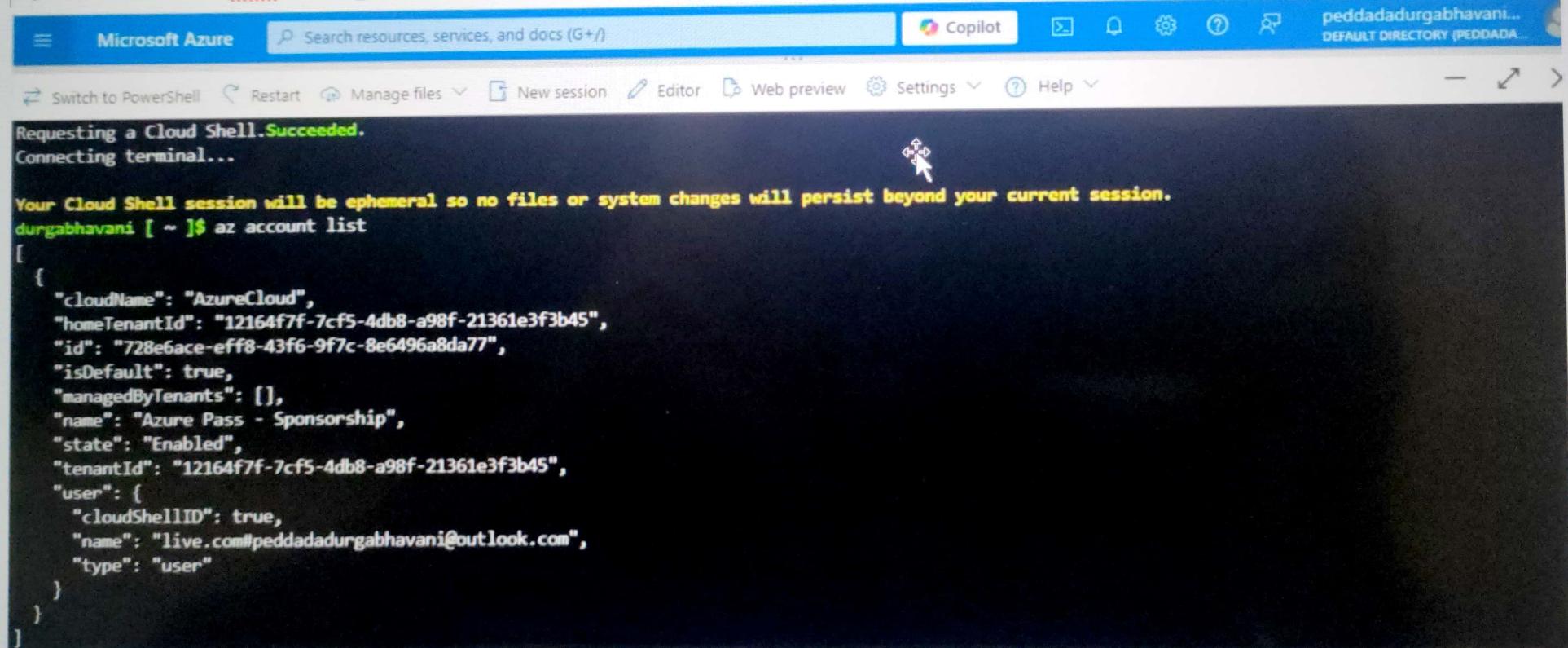


Q3. Windows vm using cli



Microsoft Azure Search resources, services, and docs (G+) Copilot peddadadurgabhavani... DEFAULT DIRECTORY (PEDDADA...) Switch to PowerShell Restart Manage files New session Editor Web preview Settings Help Requesting a Cloud Shell. Succeeded. Connecting terminal... Your Cloud Shell session will be ephemeral so no files or system changes will persist beyond your current session. durgabhavani [~]\$ az account list [{ "cloudName": "AzureCloud", "homeTenantId": "12164f7f-7cf5-4db8-a98f-21361e3f3b45", "id": "728e6ace-eff8-43f6-9f7c-8e6496a8da77", "isDefault": true, "managedByTenants": [], "name": "Azure Pass - Sponsorship", "state": "Enabled", "tenantId": "12164f7f-7cf5-4db8-a98f-21361e3f3b45", "user": { "cloudShellID": true, "name": "live.com@peddadadurgabhavani@outlook.com", "type": "user" } }]

```
durgabhavani [ ~ ]$ az group create --name training --location centralindia
{
  "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training",
  "location": "centralindia"
```

```
durgabhavani [ ~ ]$ az group create --name training --location centralindia
{
  "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training",
  "location": "centralindia",
  "managedBy": null,
  "name": "training",
  "properties": {
    "provisioningState": "Succeeded"
  },
  "tags": null,
  "type": "Microsoft.Resources/resourceGroups"
}
durgabhavani [ ~ ]$ az network vnet create --resource-group training --name training --subnet-name trainingsubnet
{
  "newVNet": {
    "addressSpace": {
      "addressPrefixes": [
        "10.0.0.0/16"
      ]
    },
    "enableDdosProtection": false,
    "etag": "W/\\"8480bb96-162d-41cc-ba02-05d23d794394\\\"",
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/virtualNetworks/training",
    "location": "centralindia",
    "provisioningState": "Succeeded",
    "resourceGroup": "training",
    "resourceGuid": "7e8067aa-7051-4124-add5-605f61dbed4a",
    "subnets": [
      {
        "addressPrefix": "10.0.0.0/24",
        "delegations": [],
        "etag": "W/\\"8480bb96-162d-41cc-ba02-05d23d794394\\\"",
```



```
"provisioningState": "Succeeded",
"resourceGroup": "training",
"resourceGuid": "7e8067aa-7051-4124-add5-605f61dbed4a",
"subnets": [
  {
    "addressPrefix": "10.0.0.0/24",
    "delegations": [],
    "etag": "W/\"8480bb96-162d-41cc-ba02-05d23d794394\"",
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/virtualNetworks/training/subnets/trainingsubnet",
    "name": "trainingsubnet",
    "privateEndpointNetworkPolicies": "Disabled",
    "privateLinkServiceNetworkPolicies": "Enabled",
    "provisioningState": "Succeeded",
    "resourceGroup": "training",
    "type": "Microsoft.Network/virtualNetworks/subnets"
  }
],
"type": "Microsoft.Network/virtualNetworks",
"virtualNetworkPeerings": []
}
```

```
durgabhavani [ ~ ]$ az network public-ip create --resource-group training --name trainingpublicip
[Coming breaking change] In the coming release, the default behavior will be changed as follows when sku is Standard and zone is not provided: For zona
l regions, you will get a zone-redundant IP indicated by zones:["1","2","3"]; For non-zonal regions, you will get a non zone-redundant IP indicated by
zones:null.
{
  "publicIp": {
    "ddosSettings": {
      "protectionMode": "VirtualNetworkInherited"
    },
    "etag": "W/\"a45cbe4d-6f91-4895-b2e6-5c8ffc792990\"",
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/publicIPAddresses/trainingpublicip",
    "idleTimeoutInMinutes": 4,
    "ipAddress": "52.172.216.229",
    "ipTags": [],
    "location": "centralindia",
    "name": "trainingpublicip",
    "provisioningState": "Succeeded",
    "publicIPAddressVersion": "IPv4",
    "publicIPAllocationMethod": "Static",
    "resourceGroup": "training",
    "resourceGuid": "ec2774b7-f622-48c3-a604-9f6d99a322d6",
    "sku": {
      "name": "Standard",
      "tier": "Regional"
    }
  }
}
```

```
durgabhavani [ ~ ]$ az network nsg create --resource-group training --name trainingsecuritygroup
{
  "NewNSG": {
    "defaultSecurityRules": [
      {
        "access": "Allow",
        "description": "Allow inbound traffic from all VMs in VNET",
        "destinationAddressPrefix": "VirtualNetwork",
        "destinationAddressPrefixes": [],
        "destinationPortRange": "*",
        "destinationPortRanges": [],
        "direction": "Inbound",
        "etag": "W/\"265d3450-4591-4463-bd4f-8d2936d91520\"",
        "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/networkSecurityGroups/trainingse
curitygroup/defaultSecurityRules/AllowVnetInBound",
        "name": "AllowVnetInBound",
        "priority": 65000,
        "protocol": "*",
        "provisioningState": "Succeeded",
        "resourceGroup": "training",
        "sourceAddressPrefix": "VirtualNetwork",
        "sourceAddressPrefixes": [],
        "sourcePortRange": "*",
      }
    ]
  }
}
```

```
durgabhavani [ ~ ]$ az network nic create --resource-group training --name trainingnic --vnet-name training --subnet trainingsubnet --network-security-
group trainingsecuritygroup --public-ip-address trainingpublicip
{
  "NewNIC": {
    "auxiliaryMode": "None",
    "auxiliarySku": "None",
    "disableTcpStateTracking": false,
    "dnsSettings": {
      "appliedDnsServers": [],
      "dnsServers": []
    }
  }
}
```

```
durgabhavani [ ~ ]$ az network nic create --resource-group training --name trainingnic --vnet-name training --subnet trainingsubnet --network-security-group trainingsecuritygroup --public-ip-address trainingpublicip
{
  "NewNIC": {
    "auxiliaryMode": "None",
    "auxiliarySku": "None",
    "disableTcpStateTracking": false,
    "dnsSettings": {
      "appliedDnsServers": [],
      "dnsServers": [],
      "internalDomainNameSuffix": "vjtya5sroasedlovmbpwd5njc.rx.internal.cloudapp.net"
    },
    "enableAcceleratedNetworking": false,
    "enableIPForwarding": false,
    "etag": "W/\"d02fe860-9dfc-45a5-b349-6b98b8b022f2\"",
    "hostedWorkloads": [],
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/networkInterfaces/trainingnic",
    "ipConfigurations": [
      {
        "etag": "W/\"d02fe860-9dfc-45a5-b349-6b98b8b022f2"",
        "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/networkInterfaces/trainingnic/ip
```

```
"resourceGroup": "training",
"subnet": [
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/virtualNetworks/training/subnets/trainingsubnet",
    "resourceGroup": "training"
],
"type": "Microsoft.Network/networkInterfaces/ipConfigurations"
}
],
"location": "centralindia",
"name": "trainingnic",
"networkSecurityGroup": {
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/networkSecurityGroups/trainingsecuritygroup",
    "resourceGroup": "training"
},
"nicType": "Standard",
"provisioningState": "Succeeded",
"resourceGroup": "training",
"resourceGuid": "fb dab59b-e8a9-4f08-a8cb-7f403e18fa28",
"tapConfigurations": [],
"type": "Microsoft.Network/networkInterfaces",
"vnetEncryptionSupported": false
},
```

Page 2 of 8 52 words Text Predictions: On Accessibility: Unavailable Focus



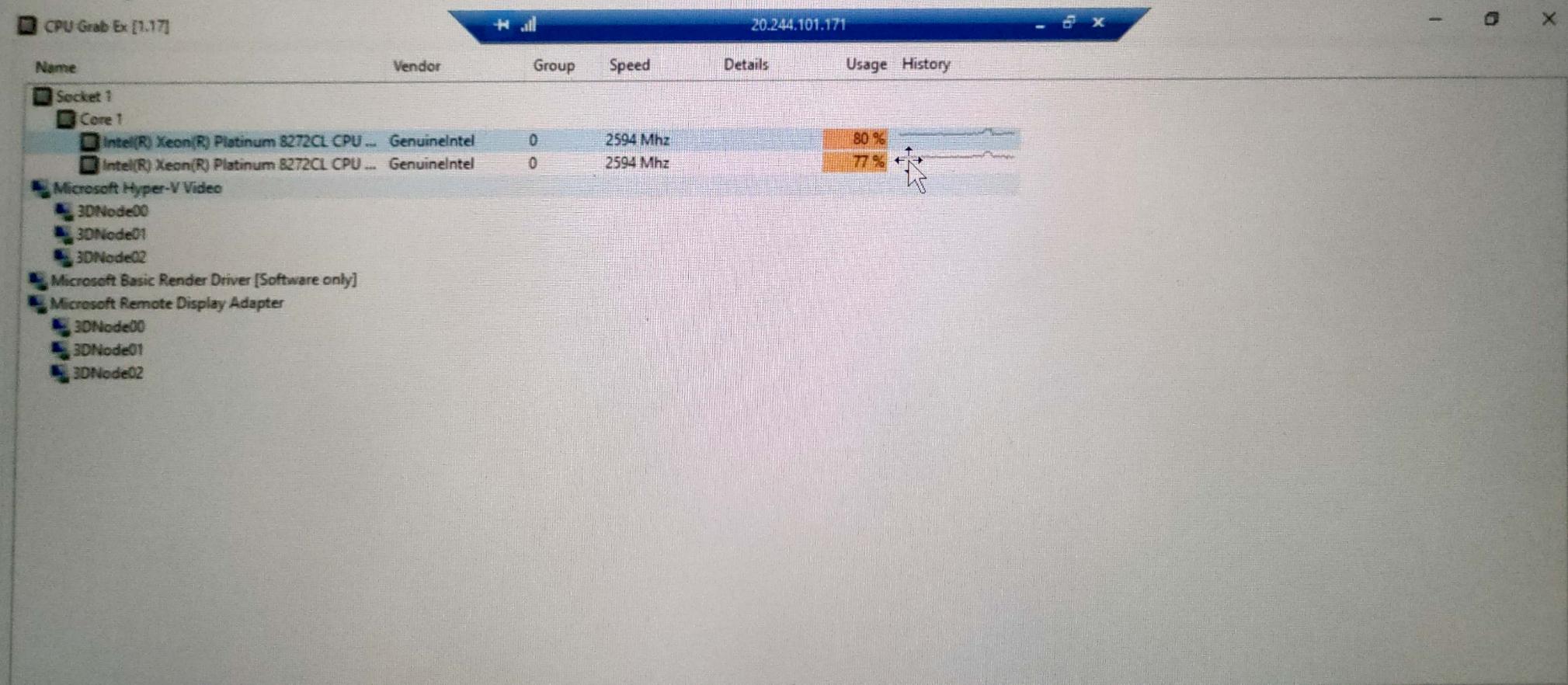
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```
}

durgabhavani [ ~ ]$ az vm create --resource-group training --name trainingvm --nics trainingnic --image Win2022Datacenter --size Standard_D2s_v3 --admin-username durga
Admin Password:
Confirm Admin Password:
{
  "fqdns": "",
  "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Compute/virtualMachines/trainingvm",
  "location": "centralindia",
  "macAddress": "60-45-BD-73-7A-89",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "52.172.216.229",
  "resourceGroup": "training",
  "zones": ""
}
durgabhavani [ ~ ]$ az vm open-port --port 3389 --resource-group training --name trainingvm
{
  "defaultSecurityRules": [
    {
      "access": "Allow",
      "description": "Allow inbound traffic from all VMs in VNET".
    }
  ]
}
```

```
{  
    "access": "Allow",  
    "destinationAddressPrefix": "*",  
    "destinationAddressPrefixes": [],  
    "destinationPortRange": "3389",  
    "destinationPortRanges": [],  
    "direction": "Inbound",  
    "etag": "W/\"66be93bd-d2c9-4d8c-9d7a-f755e011ccbb\"",  
    "id": "/subscriptions/728e6ace-eff8-43f6-9f7c-8e6496a8da77/resourceGroups/training/providers/Microsoft.Network/networkSecurityGroups/trainingsecuritygroup/securityRules/open-port-3389",  
    "name": "open-port-3389",  
    "priority": 900,  
    "protocol": "",  
    "provisioningState": "Succeeded",  
    "resourceGroup": "training",  
    "sourceAddressPrefix": "*",  
    "sourceAddressPrefixes": [],  
    "sourcePortRange": "*",  
    "sourcePortRanges": [],  
    "type": "Microsoft.Network/networkSecurityGroups/securityRules"  
}  
],  
    "type": "Microsoft.Network/networkSecurityGroups"  
}  
durgabhatvani [ ~ ]$
```

Q4. Create a vmscaleset for windows OS if average CPU utilization is greater than 50 it should scale up



www.the-ss.com Automatically check for updates Try to grab max GPU usage too

76 %

Stop

Exit

VM Instances and Azure provisioned

Instances

Networking

[Network settings](#)

[Load balancing](#)

[Application security groups](#)

[Network manager](#)

Settings

Availability + scale

Showing 1 to 3 of 3 records.

Name ↑

[trainingvmss_64690f3f](#)

[trainingvmss_925606d7](#)

[trainingvmss_f446ee1c](#)

Computer name ↑↓

trainingvRUYYWV

Status ↑↓

Running

Type ↑↓

VM

Provisioning state ↑↓

Succeeded

...

trainingvUFEHWP

Running

VM

Succeeded

...

trainingv393HT0

Running

VM

Succeeded

...



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Name	Vendor	Group	Speed	Details	Usage	History
Socket 1						
Core 1						
Intel(R) Xeon(R) Platinum 8272CL CPU ...	GenuineIntel	0	2594 Mhz		36 %	
Intel(R) Xeon(R) Platinum 8272CL CPU ...	GenuineIntel	0	2594 Mhz		36 %	
Microsoft Hyper-V Video						
3DNode00						
3DNode01						
3DNode02						
Microsoft Basic Render Driver [Software only]						
Microsoft Remote Display Adapter						
3DNode00						
3DNode01						
3DNode02						



Diagnose and solve problems

Instances

Networking

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

Settings

Availability + scale

Showing 1 to 1 of 1 records.

	Computer name ↑↓	Status ↑↓	Type ↑↓	Provisioning state ↑↓	...
<input type="checkbox"/> trainingvmss_64690f3f	trainingvRUYWWV	✓ Running	VM	Succeeded	



No grouping

List view

Q5. Deploy spring pet clinic on azure app service

Q5. Deploy spring pet clinic on azure app service

Home > Microsoft.Web-WebApp-Portal-ea51e0ca-a87d | Overview >

 durga X
Web App

Browse Stop Swap Restart Delete Refresh Download publish profile Reset publish profile ...

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Microsoft Defender for Cloud Events (preview) Better Together (preview) Deployment Deployment slots Deployment Center Performance

Essentials

Resource group ([move](#))
[training](#)

Status
Running

Location ([move](#))
Central India

Subscription ([move](#))
[Azure Pass - Sponsorship](#)

Subscription ID
728e6ace-eff8-43f6-9f7c-8e6496a8da77

Tags ([edit](#))
owner : durga

Default domain
[durga-dsemethue7d7edew.centralindia-01.azurewebsites.net](#)

App Service Plan
[ASP-training-88e2 \(B1: 1\)](#)

Operating System
Linux

Health Check
Not Configured

Github Project
<https://github.com/Bhavani-21/spring-petclinic>

JSON View



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← → ⌛ github.com/Bhavani-23/spring-petclinic/actions

Bhavani-23 / spring-petclinic Type ⌂ to search

Code Pull requests Actions Projects Security Insights Settings

Actions New workflow All workflows

All workflows Showing runs from all workflows

Help us Improve GitHub Actions Tell us how to make GitHub Actions work better for you with three quick questions. Give feedback X

Event	Status	Branch	Actor
4 days ago	3m 4s	main	...
4 days ago	1m 33s	main	...
<u>Add or update the Azure App Service build and deployment configuration</u>			

Management

- Caches
- Deployments
- Attestations
- Runners

Focus   



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durga-dsemethue7d7edew.centralindia-01.azurewebsites.net



HOME

FIND OWNERS

VETERINARIANS

ERROR

Welcome



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Q2. Create a windows image with IAS preinstalled

Home > Resource groups > training1_group >

durga Virtual machine

Search Connect Start Restart Stop Hibernate Capture ...

The last operation performed on this VM failed. The VM is still running. View error details →

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Connect Networking Settings Availability + scale Security Identity Microsoft Defender for Cloud

JSON View

Essentials

Resource group (move)	:	training1_group
Status	:	Running
Location	:	Central India (Zone 1)
Subscription (move)	:	Azure Pass - Sponsorship
Subscription ID	:	728e6ace-eff8-43f6-9f7c-8e6496a8d...
Availability zone	:	1
Operating system	:	Windows
Size	:	Standard D2s v3 (2 vcpus, 8 GiB me...
Public IP address	:	20.193.151.110
Virtual network/subnet	:	training1-vnet/default

Focus

Internet Information Services

Welcome

Bienvenue

Tervetuloa

Benvenuto

歡迎

Bem-vindo

Каліс

Оридате

Bienvenido

Ноу зайдоз

כָּרוֹכִים הַבָּאִים

Welcome

Microsoft

Willkommen

Välkommen

هَوَى مُنْدَدِل

مرحبا

Добро
пожаловать

Удвóзольк

Velkommen

مرحبا

欢迎

Witamy



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Q1. Host a simple Node.js application using custom data in linux

Home >

 **assignment** ⚡ ☆ ...
Virtual machine

⌂ ⌂ Connect ▾ ▶ Start ⌂ Restart ⌂ Stop ⌂ Hibernate ⌂ Capture ▾ ...

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

▼ **Connect**

 🔗 **Connect**

 🔗 **Bastion**

▼ **Networking**

 👤 **Network settings**

 💎 **Load balancing**

 🔒 **Application security groups**

^ **Essentials**

Resource group ([move](#)) : [assignment](#)
Status : Running
Location : Central India (Zone 1)
Subscription ([move](#)) : [Azure Pass - Sponsorship](#)
Subscription ID : 728e6ace-eff8-43f6-9f7c-8e6496a8d...
Availability zone : 1
Operating system : Linux (ubuntu 24.04)
Size : Standard B1s (1 vcpu, 1 GiB memory)
Public IP address : [20.197.32.133](#)
Virtual network/subnet : [assignment-vnet/default](#)
DNS name : [Not configured](#)
Health state : -

Not secure 20.197.32.133



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← → C Not secure 20.197.32.133

Hello World from host assignment!



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