

# Azure AKS Terraform Deployment Screenshots

This document contains screenshots from the Azure AKS (Azure Kubernetes Service) deployment using Terraform.

## Screenshots Overview

### 1. Terraform Output

```
~/Documents/GitHub/personal/azure-aks-terraform git:(main) (5m 26.01s)
terraform apply -auto-approve
+ cluster_id = (known after apply)
+ cluster_location = "westus2"
+ cluster_name = (known after apply)
+ host = (sensitive value)
+ kube_config = (sensitive value)
+ node_resource_group = (known after apply)
+ resource_group_name = (known after apply)
+ system_assigned_identity_principal_id = (known after apply)
+ system_assigned_identity_tenant_id = (known after apply)
random_string.suffix: Creating...
random_string.suffix: Creation complete after 0s [id=5q074gff]
azurerm_resource_group.aks_rg: Creating...
azurerm_resource_group.aks_rg: Still creating... [00m10s elapsed]
azurerm_resource_group.aks_rg: Creation complete after 11s [id=/subscriptions/69a0ceb2-4ba6-4cd4-bbf7-a35a58b1be1e/resourceGroups/rg-aks-5q074gff]
azurerm_kubernetes_cluster.aks: Creating...
azurerm_kubernetes_cluster.aks: Still creating... [00m10s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [00m20s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [00m30s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [00m40s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [00m50s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [01m00s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [01m10s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [01m20s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [01m30s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [01m40s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [01m50s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [02m00s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [02m10s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [02m20s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [02m30s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [02m40s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [02m50s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [03m00s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [03m10s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [03m20s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [03m30s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [03m40s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [03m50s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [04m00s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [04m10s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [04m20s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [04m30s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [04m40s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [04m50s elapsed]
azurerm_kubernetes_cluster.aks: Still creating... [05m00s elapsed]
azurerm_kubernetes_cluster.aks: Creation complete after 5m2s [id=/subscriptions/69a0ceb2-4ba6-4cd4-bbf7-a35a58b1be1e/resourceGroups/rg-aks-5q074gff/providers/Microsoft.ContainerService/managedClusters/aks-cluster-5q074gff]

Apply complete! Resources: 3 added, 0 changed, 0 destroyed.

Outputs:
client_certificate = <sensitive>
client_key = <sensitive>
cluster_ca_certificate = <sensitive>
cluster_fqdn = "aks-5q074gff-hmb07rp.hcp.westus2.azurek8s.io"
cluster_id = "/subscriptions/69a0ceb2-4ba6-4cd4-bbf7-a35a58b1be1e/resourceGroups/rg-aks-5q074gff/providers/Microsoft.ContainerService/managedClusters/aks-cluster-5q074gff"
cluster_location = "westus2"
cluster_name = "aks-cluster-5q074gff"
host = <sensitive>
kube_config = <sensitive>
node_resource_group = "MC_rg-aks-5q074gff-aks-cluster-5q074gff_westus2"
resource_group_name = "rg-aks-5q074gff"
system_assigned_identity_principal_id = "7aa9a467-5a65-4a42-9b96-bb98da0467d9"
system_assigned_identity_tenant_id = "b5dc206c-17fd-4b06-8bc8-24f0bb650229"
```

*Terraform deployment output showing the successful creation of Azure resources*

# 2. Kubernetes Cluster

Microsoft Azure

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

Copilot

101464377@georgebro...  
GEORGE BROWN COLLEGE

Home >

aks-cluster-5q074gff  
Kubernetes service

Search

Overview

Activity log

Access control (IAM)

Tags

Monitor

Diagnose and solve problems

Microsoft Defender for Cloud (preview)

Cost analysis

Resource visualizer

Kubernetes resources

Settings

Monitoring

Automation

Help

Get started

Properties

Monitoring

Recommendations

Kubernetes services

Encryption type

Virtual node pools

Encryption at-rest with a platform-managed key

Not enabled

Node pools

Node pools

Kubernetes versions

Node sizes

1 node pool

1.32.5

Standard\_B2s

Upgrades

Kubernetes version

Auto Upgrade Type

Automatic upgrade scheduler

Node upgrade channel type

1.32.5

Disabled

-

Node Image

Networking

API server address

Network configuration

Pod CIDR

Service CIDR

DNS service IP

Network Policy

Load balancer

Private cluster

Authorized IP ranges

Application Gateway ingress controller

aks-5q074gff-hmtb97rp.hcp.westus2.azure.com

kubernetes

10.244.0.0/16

10.0.0.0/16

10.0.0.10

None

standard

Not enabled

Not enabled

Not enabled

Integrations

Container insights

Not enabled

Environment: Development

ManagedBy: Terraform

Owner: DevOps Team

Project: AKS-Terraform

JSON View

Azure Kubernetes Service cluster overview and configuration

# 3. Node Pool Configuration

Node pools

Nodes

Nodes represent virtual machines that run application workloads. They are defined and controlled as part of node pools. To add, remove, or update nodes, the node pool to which the node belongs to should be updated instead of editing the nodes directly. [Learn more about node pools](#)

Diagnose high node Disk usage

Filter by node pool name

Enter the full node pool name

Node name: All

Add label filter

Node	Status	CPU	Memory	Disk	Pods	Node pool	Kubernetes version
aks-default-39692054-vmss000000	Ready	10%	31%	80%	10	default	1.32.5
aks-default-39692054-vmss000001	Ready	13%	40%	80%	15	default	1.32.5

Node pool configuration showing 2 nodes in the AKS cluster

# Screenshot Details

Screenshot	Description	File Size
Terraform Output	Shows the successful Terraform deployment output with all created resources	297KB
Kubernetes Cluster	Azure AKS cluster overview and management interface	691KB
Node Pool Configuration	Node pool details showing 2 nodes configuration	268KB
Deployment Verification (9:03 PM)	First verification screenshot of the deployment	152KB
Deployment Verification (9:09 PM)	Second verification screenshot of the deployment	297KB

## Notes

- All screenshots were taken during the Azure AKS deployment process
- The deployment appears to have been successful with proper resource creation
- Node pool is configured with 2 nodes as specified in the Terraform configuration
- Multiple verification screenshots were taken to document the deployment process

*Generated from screenshots folder in the Azure AKS Terraform project*