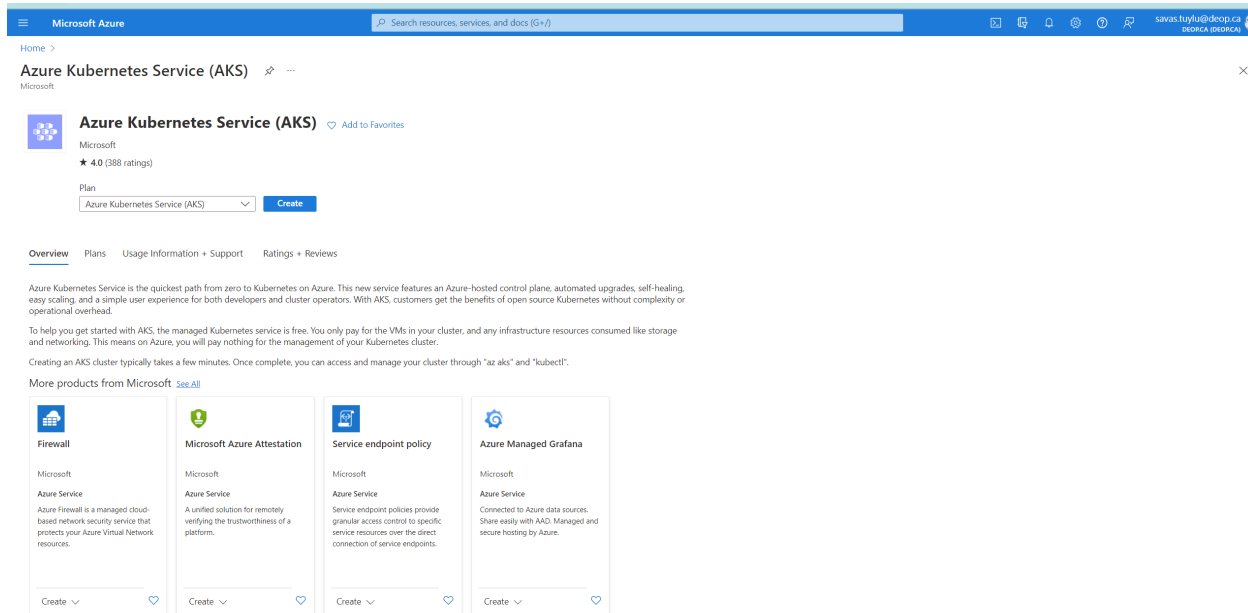


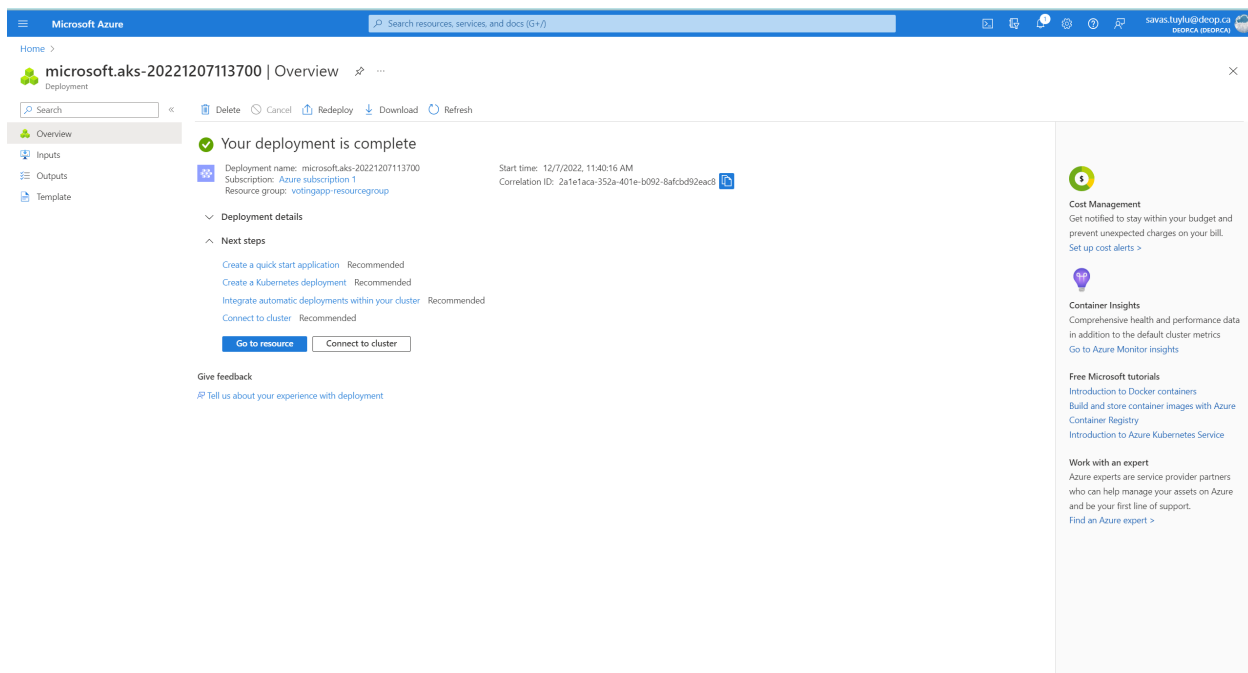
Kubernetes(AKS)- Voting-App for Cats-Dogs

1-Before Deployment



The screenshot shows the Microsoft Azure portal interface. At the top, there's a search bar and navigation icons. The main heading is "Azure Kubernetes Service (AKS)" with a sub-heading "Microsoft". Below this, there's a "Plan" dropdown menu set to "Azure Kubernetes Service (AKS)" and a "Create" button. The "Overview" tab is selected, showing a description of AKS: "Azure Kubernetes Service is the quickest path from zero to Kubernetes on Azure. This new service features an Azure-hosted control plane, automated upgrades, self-healing, easy scaling, and a simple user experience for both developers and cluster operators. With AKS, customers get the benefits of open source Kubernetes without complexity or operational overhead." It also mentions that the managed Kubernetes service is free, with costs for VMs, infrastructure, storage, and networking. A "More products from Microsoft" section at the bottom lists other services like Firewall, Microsoft Azure Attestation, Service endpoint policy, and Azure Managed Grafana, each with a "Create" button.

1-After Deployment



The screenshot shows the Microsoft Azure portal interface for a specific AKS deployment. The top navigation bar is the same. The main heading is "microsoft.aks-20221207113700 | Overview". Below this, there's a "Deployment" section with a search bar and action buttons: "Delete", "Cancel", "Redeploy", "Download", and "Refresh". The "Overview" tab is selected, showing a green checkmark and the message "Your deployment is complete". Below this, there's a "Deployment details" section with the following information: "Deployment name: microsoft.aks-20221207113700", "Subscription: Azure subscription 1", and "Resource group: votingapp-resourcegroup". The "Start time" is "12/7/2022, 11:40:16 AM" and the "Correlation ID" is "2a1e1aca-352a-401e-b092-6afcb9d92ead8". There are also "Next steps" listed: "Create a quick start application", "Create a Kubernetes deployment", "Integrate automatic deployments within your cluster", and "Connect to cluster". At the bottom, there's a "Go to resource" button and a "Connect to cluster" button. On the right side, there's a sidebar with "Cost Management", "Container Insights", "Free Microsoft tutorials", and "Work with an expert".

3-In the Voting-App

example-voting-app
Kubernetes service

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

Home >

Search

Create Connect Start Stop Delete Refresh Give feedback

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Microsoft Defender for Cloud

Kubernetes resources

- Namespaces
- Workloads
- Services and ingresses
- Storage
- Configuration

Settings

- Node pools
- Cluster configuration
- Networking
- Open Service Mesh
- GitOps
- Deployment center (deprecated)
- Automated deployments (preview)
- Policies
- Properties
- Locks

Monitoring

- Insights

Essentials

Resource group : [votingapp-resourcegroup](#)

Status : Succeeded (Running)

Location : East US

Subscription : [Azure subscription 1](#)

Subscription ID : 9305bb20-ec55-4ee4-a68c-ee0db160dd61

Tags (edit) : [Click here to add tags](#)

Get started **Properties** Monitoring Capabilities (3) Recommendations Tutorials

Kubernetes services

Encryption type : Encryption at-rest with a platform-managed key

Virtual node pools : Not enabled

Node pools

Node pools : 1 node pool

Kubernetes versions : 1.23.12

Node sizes : Standard_DS2_v2

Configuration

Kubernetes version : 1.23.12

Auto Upgrade Type : Patch

Authentication and Authorization : Local accounts with Kubernetes RBAC

Local accounts : Enabled

Networking

API server address : [example-voting-app-dns-bc70d8b1.hcp.eastus.azurek8s.io](#)

Network type (plugin) : [Kubernetes](#)

Pod CIDR : 10.244.0.0/16

Service CIDR : 10.0.0.0/16

DNS service IP : 10.0.0.10

Docker bridge CIDR : 172.17.0.1/16

Network Policy : None

Load balancer : Standard

HTTP application routing : Not enabled

Private cluster : Not enabled

Authorized IP ranges : Not enabled

Application Gateway ingress controller : Not enabled

Integrations

Container insights : Enabled

Workspace resource ID : [DefaultWorkspace-9305bb20-ec55-4ee4-a68c-ee0db160dd61-EUS](#)

4-After Deployment in Cloud Shell

example-voting-app
Kubernetes service

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

Home >

Search

Create Connect Start Stop Delete Refresh Give feedback

Overview

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Monitoring

- Insights

Essentials

Resource group : [votingapp-resourcegroup](#)

Status : Succeeded (Running)

Location : East US

Subscription : [Azure subscription 1](#)

Subscription ID : 9305bb20-ec55-4ee4-a68c-ee0db160dd61

Tags (edit) : [Click here to add tags](#)

Get started **Properties** Monitoring Capabilities (3) Recommendations Tutorials

Kubernetes services

Encryption type : Encryption at-rest with a platform-managed key

Networking

API server address : [example-voting-app-dns-bc70d8b1.hcp.eastus.azurek8s.io](#)

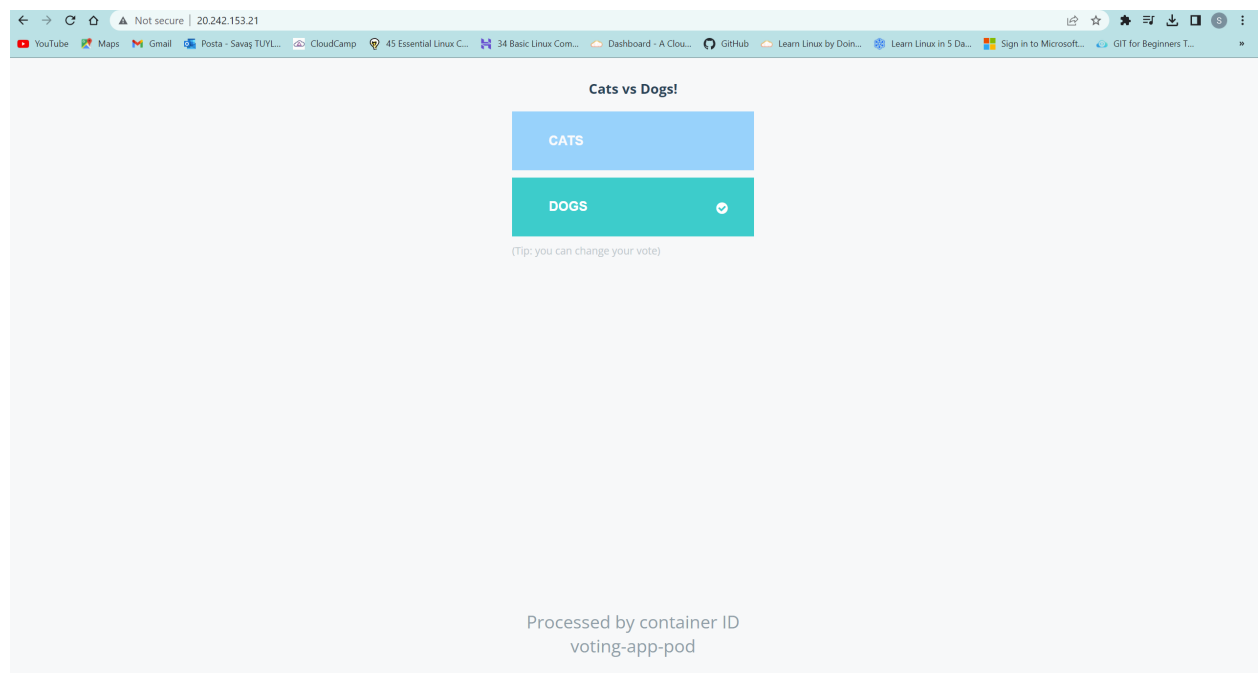
Integrations

Container insights : Enabled

Workspace resource ID : [DefaultWorkspace-9305bb20-ec55-4ee4-a68c-ee0db160dd61-EUS](#)

```
Bash
$ kubectl get deployments,svc
NAME                                TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
service/db                          ClusterIP     10.0.51.187     <none>            5432/TCP          9m41s
service/kubernetes                  ClusterIP     10.0.0.1         <none>            443/TCP           46m
service/redis                       ClusterIP     10.0.151.163    <none>            6379/TCP          10m
service/result-service              LoadBalancer 10.0.25.222     20.242.153.183   80:31489/TCP      9m5s
service/loadbalancer                LoadBalancer 10.0.191.47     20.242.153.21    80:30412/TCP      11m
$
```

4-In 20.242.153.21



5-In 20.242.153.183

