

Deployment Snapshots and Links

This document contains all required screenshots and links for deployment evidence and grading.

Live Deployment Links

- Live Application: <http://20.232.231.105>
- Backend API Info: <http://20.232.231.105/api/v1/info>
- Demo Video: <https://x.com/i/status/1964571151847526577>

Screenshots

1. Terraform Infrastructure Deployment

```
~/Documents/Github/personal/fullstack-blockchain-integration/terraform git:(main) (1m 23.76s)
terraform apply -auto-approve
azurerm_role_assignment.aks_acr: Creation complete after 24s [id=/subscriptions/dc2e2dae-a50e-4824-9c19-0e883f396b36/resourceGroups/decentralbet-rg/providers/Microsoft.ContainerRegistry/registries/decentralbetacr/providers/Microsoft.Authorization/roleAssignments/d185e1e5-d75c-f776-cf40-d190082a10ee]

Warning: Argument is deprecated

  with azurerm_kubernetes_cluster.main,
  on main.tf line 138, in resource "azurerm_kubernetes_cluster" "main":
138:   managed              = true

Azure AD Integration (legacy) (https://aka.ms/aks/aad-legacy) is deprecated and clusters can no longer be created with the Azure AD integration (legacy) enabled. This field must be supplied with the value `true` for AKS-managed Entra Integration, but will be removed and defaulted to `true` for the user in v4.0 of the AzureRM Provider.

Apply complete! Resources: 2 added, 0 changed, 2 destroyed.

Outputs:

acr_admin_password = <sensitive>
acr_admin_username = "decentralbetacr"
acr_login_command  = "az acr login --name decentralbetacr"
acr_login_server   = "decentralbetacr.azurecr.io"
aks_cluster_id     = "/subscriptions/dc2e2dae-a50e-4824-9c19-0e883f396b36/resourceGroups/decentralbet-rg/providers/Microsoft.ContainerService/managedClusters/decentralbet-aks"
aks_cluster_name   = "decentralbet-aks"
aks_kubeconfig     = <sensitive>
application_gateway_public_ip = "172.191.137.252"
cluster_credentials_command = "az aks get-credentials --resource-group decentralbet-rg --name decentralbet-aks"
deployment_info = {
  "acr_name" = "decentralbetacr"
  "cluster_name" = "decentralbet-aks"
  "environment" = "prod"
  "frontend_url" = "http://172.191.137.252"
  "public_ip" = "172.191.137.252"
  "resource_group" = "decentralbet-rg"
}
log_analytics_workspace_id = "/subscriptions/dc2e2dae-a50e-4824-9c19-0e883f396b36/resourceGroups/decentralbet-rg/providers/Microsoft.OperationalInsights/workspaces/decentralbet-logs"
resource_group_name = "decentralbet-rg"
```

2. CI/CD Pipeline Success

← CI/CD Pipeline

✓ **ci(aks): replace docker build/push with az acr build (ACR Tasks) to a... #45** Re-run all jobs

Summary

Jobs

- Smart Contract Tests
- Backend API Tests
- Frontend Tests & Build
- Deploy to VM

Run details

- Usage
- Workflow file

Triggered via push 15 minutes ago

Status: **Success**

Total duration: **12m 22s**

Artifacts: —

ci-cd.yml
on: push

Smart Contract Tests 28s

Backend API Tests 24s

Frontend Tests & Build 1m 42s

Deploy to VM 1m 12s

3. AKS Cluster Deployment (Pods/Services/HPA)

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

101464377@georgebro...
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Home >

decentralbet-aks Stop the node pool in this cluster What does my AKS YAML deployment file mean Edit existing AKS YAML deployment file

Kubernetes service

Search

Overview

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Essentials

Resource group: [decentralbet-rg](#)

Power state: Running

Cluster operation status: Succeeded

Subscription: [Azure subscription 1](#)

Location: East US

Subscription ID: dc2e2dae-a50e-4824-9c19-0e883f996b36

Fleet Manager: [Click here to assign](#)

Tags (edit): Component: AKS Environment: prod Show more (2)

Get started Properties Monitoring Recommendations

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	1.31.3
Node sizes	Standard_D2s_v3
Node auto-provisioning	Not enabled

Upgrades

Kubernetes version	1.31.3
Auto Upgrade Type	Disabled
Automatic upgrade scheduler	-
Node upgrade channel type	Node Image
Node upgrade channel scheduler	-

Networking

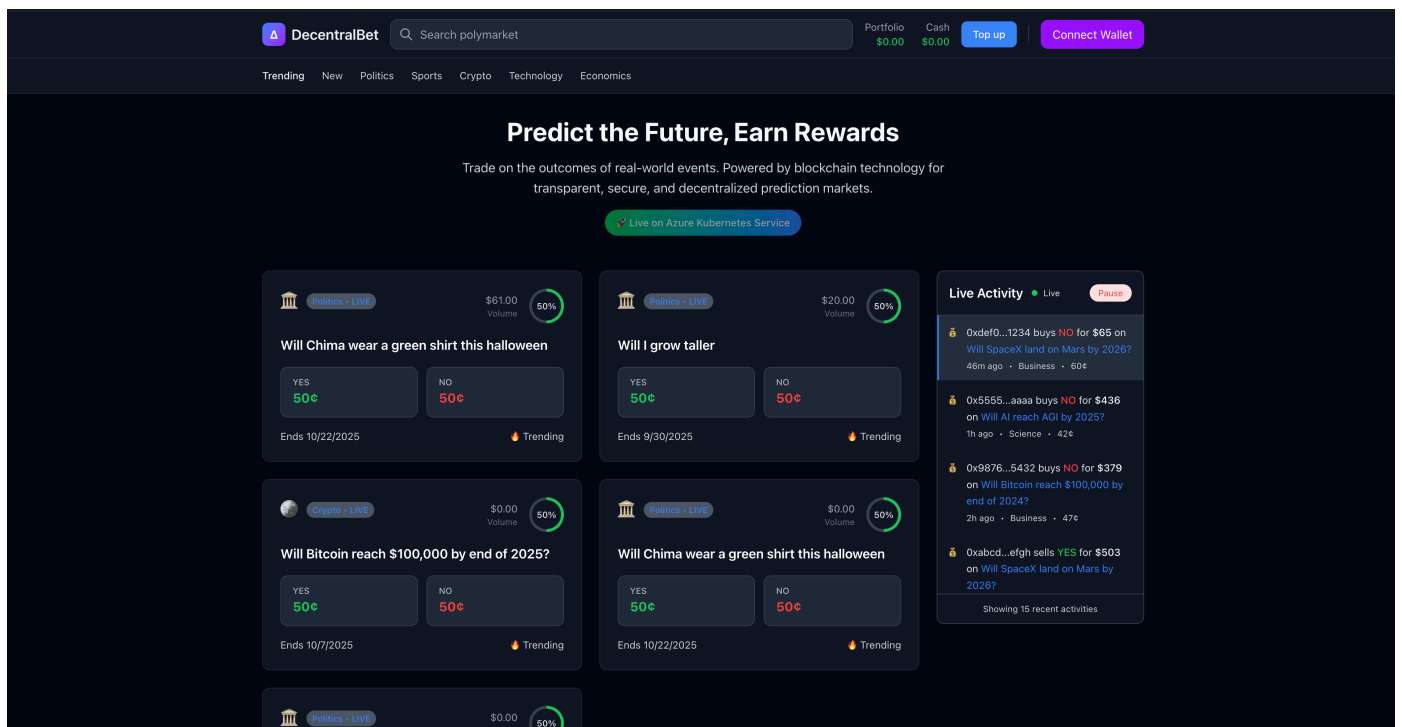
API server address	decentralbet-aks-bdank4zx.hcp.eastus.azurek8s.io
Network configuration	Azure CNI Node Subnet
Pod CIDR	-
Service CIDR	10.2.0.0/24
DNS service IP	10.2.0.10
Cilium dataplane	Not enabled
Network policy	Azure
Load balancer	standard
Private cluster	Not enabled
Authorized IP ranges	Not enabled
Application Gateway ingress controller	Not enabled

Integrations

Container insights	Enabled
Workspace resource ID	decentralbet-logs

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4. Live Frontend Application



Notes

- These snapshots demonstrate: Terraform deployment, CI/CD run, successful AKS rollout, and public frontend availability.