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LOGOUT

OPEN HACK ENVIRONMENT OVERVIEW

OPEN HACK GUIDE PROVIDE FEEDBACK

PREVIOUS CHALLENGE

Mark Complete

Challenge 2 - Let's get ready to cluster!

Background

Containers are extremely useful on their own, but their flexibility and potential is multiplied when deployed to an orchestrator/cluster.

You can learn more about the value of orchestrators at docs.microsoft.com (https://docs.microsoft.com), or more specifically the following links:

- Service Fabric and Containers (https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-containers-overview)

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- Introduction to Azure Container Service (AKS) (https://docs.microsoft.com/en-us/azure/aks/intro-kubernetes)

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Once you have a cluster configured, you can react quickly to demand and leverage the extended functionality of the underlying platform to best suit your needs whether that's:

- Deploying quickly and reliably.
- Scaling on at will to meet demand.
- Rolling out new features or upgrades.
- Utilizing only what resources you need for your current provision.

Challenge

Your team's goal in this challenge is to deploy the same container you used in challenge 1, to a cluster in Azure either with Service Fabric (https://docs.microsoft.com/en-us/azure/service-fabric/) or Azure Container Service (AKS) (https://docs.microsoft.com/en-us/azure/aks/) in the *EastUS* Azure region.

Success Criteria

- Create a cluster in Azure, running v1.0 of your chosen container, in the *EastUS* Azure region.

References

- You can find the Minecraft containers on Docker Hub (https://hub.docker.com/r/openhack/minecraft-server/)
- HINT: There is a second port on a Minecraft server for RCON (Remote Console) **25575**, in addition to the default

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connection port (25565). The hack portal uses this to verify your server!!

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Some other useful resources in addition to the ones in challenge 1 are:

- Azure resource naming best practices (https://docs.microsoft.com/en-us/azure/architecture/best-practices/naming-conventions)
- Azure CLI reference (https://docs.microsoft.com/en-us/cli/azure/get-started-with-azure-cli)
- Kubectl overview (https://kubernetes.io/docs/user-guide/kubectl-overview/)
- Service Fabric Containers Overview (https://docs.microsoft.com/en-us/azure/service-fabric/service-fabric-containers-overview)