Lab 09c - Implement Azure Kubernetes Service

Student lab manual

Lab scenario

Contoso has a number of multi-tier applications that are not suitable to run by using Azure Container Instances. In order to determine whether they can be run as containerized workloads, you want to evaluate using Kubernetes as the container orchestrator. To further minimize management overhead, you want to test Azure Kubernetes Service, including its simplified deployment experience and scaling capabilities.

**Note:** An [**interactive lab simulation**](https://mslabs.cloudguides.com/guides/AZ-104%20Exam%20Guide%20-%20Microsoft%20Azure%20Administrator%20Exercise%2015) is available that allows you to click through this lab at your own pace. You may find slight differences between the interactive simulation and the hosted lab, but the core concepts and ideas being demonstrated are the same.

Objectives

In this lab, you will:

* Task 1: Register the Microsoft.Kubernetes and Microsoft.KubernetesConfiguration resource providers.
* Task 2: Deploy an Azure Kubernetes Service cluster
* Task 3: Deploy pods into the Azure Kubernetes Service cluster
* Task 4: Scale containerized workloads in the Azure Kubernetes service cluster

#### **Task 1: Register the Microsoft.Kubernetes and Microsoft.KubernetesConfiguration resource providers.**

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#### **Task 2: Deploy an Azure Kubernetes Service cluster**

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#### **Task 3: Deploy pods into the Azure Kubernetes Service cluster**

Graphical user interface, application, Word

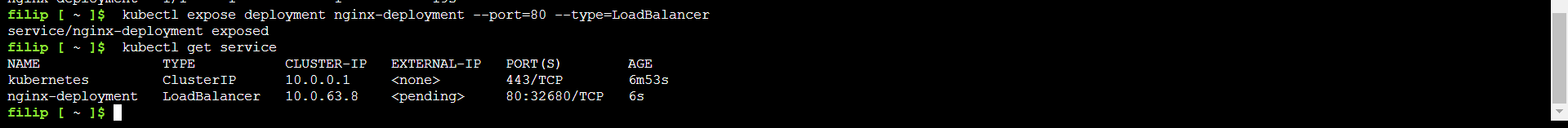
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Graphical user interface, text, application

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A screenshot of a computer

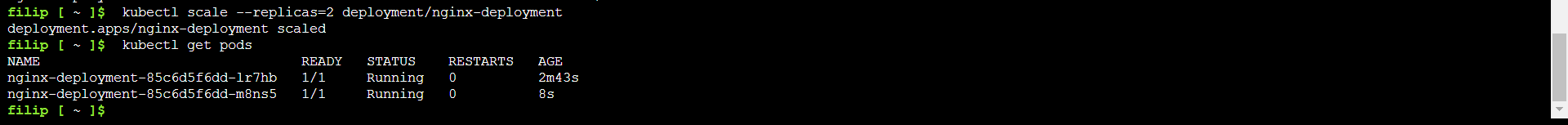
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#### **Task 4: Scale containerized workloads in the Azure Kubernetes service cluster**



Had to take note of this message. Because I initially got an error:

**Note**: Wait for the provisioning of the additional node to complete. This might take about 3 minutes. If it fails, rerun the az aks scale command.

A screenshot of a computer

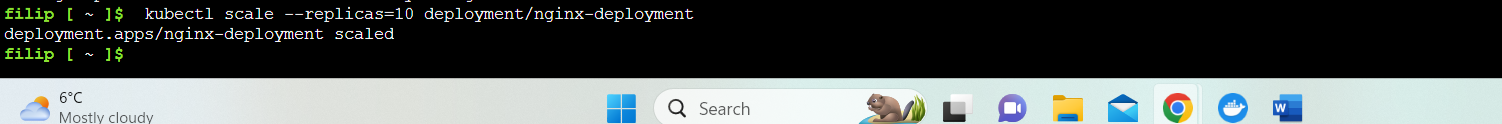
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Text

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Shape

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Graphical user interface

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