You need to investigate the http server log output to resolve the issue with the ContentUploadService. Which command should you use first?

A. az webapp log

B. az ams live-output

C. az monitor activity-log

D. az container attach

# Correct Answer: C Explanation:

Scenario: Users of the ContentUploadService report that they occasionally see HTTP 502 responses on specific pages.

"502 bad gateway" and "503 service unavailable" are common errors in your app hosted in Azure App Service.

Microsoft Azure publicizes each time there is a service interruption or performance degradation.

The az monitor activity-log command manages activity logs.

#### Note:

Troubleshooting can be divided into three distinct tasks, in sequential order:

- Observe and monitor application behavior
- Collect data
- Mitigate the issue

#### Reference:

https://docs.microsoft.com/en-us/cli/azure/monitor/activity-log

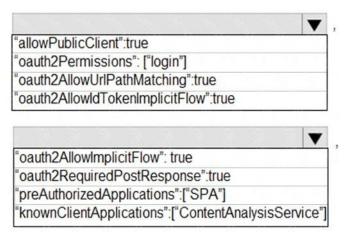
## **QUESTION 9**

**HOTSPOT** 

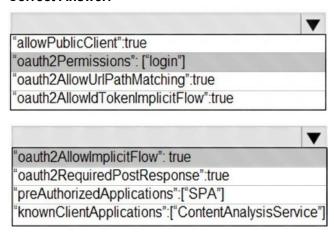
You need to add code at line AM09 to ensure that users can review content using ContentAnalysisService.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.



#### **Correct Answer:**



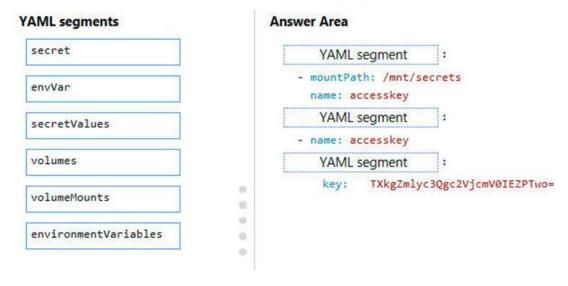
## **QUESTION 10**

DRAG DROP

You need to add YAML markup at line CS17 to ensure that the ContentUploadService can access Azure Storage access keys.

How should you complete the YAML markup? To answer, drag the appropriate YAML segments to the correct locations. Each YAML segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.



#### **Correct Answer:**



## **QUESTION 11**

You need to configure the ContentUploadService deployment.

Which two actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Add the following markup to line CS23:
  - types: Private
- B. Add the following markup to line CS24:
  - osType: Windows
- C. Add the following markup to line CS24:
  - osType: Linux
- D. Add the following markup to line CS23:

types: Public

# Correct Answer: A Explanation:

Scenario:

All Internal services must only be accessible from Internal Virtual Networks (VNets)

There are three Network Location types - Private, Public and Domain

#### Reference:

https://devblogs.microsoft.com/powershell/setting-network-location-to-private/

## **QUESTION 12**

You need to monitor ContentUploadService accourding to the requirements. Which command should you use?

- A. az monitor metrics alert create -n alert -g ... -scopes ... -condition "avg Percentage CPU > 8"
- B. az monitor metrics alert create -n alert -g ... -scopes ... -condition "avg Percentage CPU > 800"
- C. az monitor metrics alert create -n alert -g ... -scopes ... -condition "CPU Usage > 800"
- D. az monitor metrics alert create -n alert -g ... -scopes ... -condition "CPU Usage > 8"

Correct Answer: B Explanation: Scenario:

An alert must be raised if the ContentUploadService uses more than 80 percent of available CPU-cores

Reference:

https://docs.microsoft.com/sv-se/cli/azure/monitor/metrics/alert

## **Topic 3, City Power & Light**

## Case study

This is a case study. Case studies are not timed separately. You can use as much exam time as you would like to complete each case. However, there may be additional case studies and sections on this exam. You must manage your time to ensure that you are able to complete all questions included on this exam in the time provided.

To answer the questions included in a case study, you will need to reference information that is provided in the case study. Case studies might contain exhibits and other resources that provide more information about the scenario that is described in the case study. Each question is independent of the other questions in this case study.

At the end of this case study, a review screen will appear. This screen allows you to review your answers and to make changes before you move to the next section of the exam. After you begin a new section, you cannot return to this section.

## To start the case study

To display the first question in this case study, click the Next button. Use the buttons in the left pane to explore the content of the case study before you answer the questions. Clicking these buttons displays information such as business requirements, existing environment, and problem statements. When you are ready to answer a question, click the Question button to return to the question.

## Background

City Power & Light company provides electrical infrastructure monitoring solutions for homes and businesses.

The company is migrating solutions to Azure.

## **Current environment**

## **Architecture overview**

The company has a public website located at http://www.cpandl.com/. The site is a single-page web application that runs in Azure App Service on Linux. The website uses files stored in Azure Storage and cached in Azure Content Delivery Network (CDN) to serve static content.

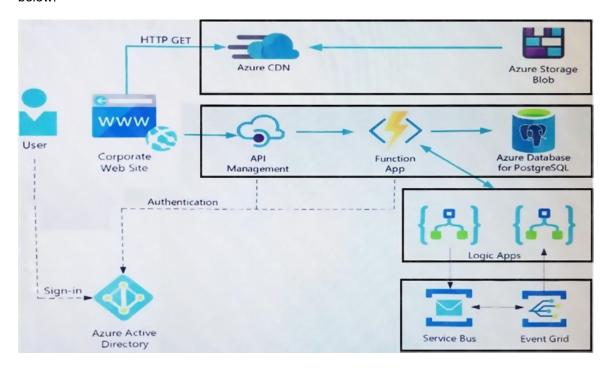
API Management and Azure Function App functions are used to process and store data in Azure Database for PostgreSQL. API Management is used to broker communications to the Azure Function app functions for Logic app integration. Logic apps are used to orchestrate the data processing while Service Bus and Event Grid handle messaging and events.

The solution uses Application Insights, Azure Monitor, and Azure Key Vault.

#### Architecture diagram

The company has several applications and services that support their business. The company plans to implement serverless computing where possible. The overall architecture is shown

below.



## **User authentication**

The following steps detail the user authentication process:

- The user selects Sign in in the website.
- The browser redirects the user to the Azure Active Directory (Azure AD) sign in page.
- The user signs in.
- Azure AD redirects the user's session back to the web application. The URL includes an access token.
- The web application calls an API and includes the access token in the authentication header. The application ID is sent as the audience (`aud') claim in the access token.
- The back-end API validates the access token.

## Requirements

## Corporate website

- Communications and content must be secured by using SSL.
- Communications must use HTTPS.
- Data must be replicated to a secondary region and three availability zones.
- Data storage costs must be minimized.

## Azure Database for PostgreSQL

The database connection string is stored in Azure Key Vault with the following attributes:

- Azure Key Vault name: cpandlkeyvault
- Secret name: PostgreSQLConn
- Id: 80df3e46ffcd4f1cb187f79905e9a1e8

The connection information is updated frequently. The application must always use the latest information to connect to the database.

## **Azure Service Bus and Azure Event Grid**