



# AZ-400<sup>Q&As</sup>

Designing and Implementing Microsoft DevOps Solutions

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### QUESTION 1

You have the following Azure policy.

```
if: {
  allOf: [
    {
      "field": "type",
      "equals": "Microsoft.Storage/storageAccounts"
    },
    {
      "field": "Microsoft.Storage/storageAccounts/supportsHttpsTrafficOnly",
      "notEquals": "true"
    }
  ]
},
then: {
  effect: "deny"
}
```

You assign the policy to the Tenant root group. What is the effect of the policy?

- A. ensures that all data for new Azure Storage accounts is encrypted at rest
- B. prevents HTTPS traffic to new Azure Storage accounts when the accounts are accessed over the internet
- C. prevents all HTTP traffic to existing Azure Storage accounts
- D. ensures that all traffic to new Azure Storage accounts is encrypted

Correct Answer: B

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### QUESTION 2

You are developing a multi-tier application. The application will use Azure App Service web apps as the front end and an Azure SQL database as the back end. The application will use Azure functions to write some data to Azure Storage.

You need to send the Azure DevOps team an email message when the front end fails to return a status code of 200.

Which feature should you use?

- A. Service Map in Azure Log Analytics
- B. Availability tests in Azure Application Insights
- C. Profiler in Azure Application Insights
- D. Application Map in Azure Application Insights



Correct Answer: B

References: <https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-map>

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### QUESTION 3

You have a Microsoft ASP.NET Core web app in Azure that is accessed worldwide.

You need to run a URL ping test once every five minutes and create an alert when the web app is unavailable from specific Azure regions. The solution must minimize development time. What should you do?

- A. Create an Azure Monitor Availability metric and alert.
- B. Create an Azure Application Insights availability test and alert.
- C. Write an Azure function and deploy the function to the specific regions.
- D. Create an Azure Service Health alert for the specific regions.

Correct Answer: B

There are three types of Application Insights availability tests:

1.

URL ping test: a simple test that you can create in the Azure portal.

2.

Multi-step web test

3.

Custom Track Availability Tests

Note: After you've deployed your web app/website, you can set up recurring tests to monitor availability and responsiveness. Azure Application Insights sends web requests to your application at regular intervals from points around the world. It can alert you if your application isn't responding, or if it responds too slowly.

You can set up availability tests for any HTTP or HTTPS endpoint that is accessible from the public internet. You don't have to make any changes to the website you're testing. In fact, it doesn't even have to be a site you own. You can test the availability of a REST API that your service depends on.

Reference: <https://docs.microsoft.com/en-us/azure/azure-monitor/app/monitor-web-app-availability#create-a-url-ping-test>

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### QUESTION 4

You have an Azure subscription that contains an Azure container registry. The container registry contains an ACR Tasks task named Task1. Task1 is configured to run once every five days.

You need to trigger Task1 to run immediately.



Which command should you run?

- A. az acr task run
- B. az acr build
- C. az acr taskrun
- D. az acr run

Correct Answer: A

az acr task run

Manually trigger a task that might otherwise be waiting for git commits or base image update triggers.

Examples

Trigger a task run.

az acr task run -n MyTask -r MyRegistry Incorrect:

\* az acr taskrun

Manage taskruns using Azure Container Registries.

Includes the commands:

az acr taskrun delete

Delete a taskrun from an Azure Container Registry.

az acr taskrun list

List the taskruns for an Azure Container Registry.

az acr taskrun logs

Show run logs for a particular taskrun.

az acr taskrun show

Get the properties of a named taskrun for an Azure Container Registry.

\* az acr run

Queues a quick run providing streamed logs for an Azure Container Registry.

Examples

Queue a run to execute a container command.

az acr run -r MyRegistry --cmd '\$Registry/myimage\' /dev/null

Queue a run with the task definition from the standard input. Either `Ctrl + Z` (Windows) or `Ctrl + D` (Linux) terminates the input stream.



```
az acr run -r MyRegistry -f - /dev/null
```

Queue a run to execute the tasks passed through the pipe.

```
cat task.yaml | az acr run -r MyRegistry -f - /dev/null
```

 Reference: <https://learn.microsoft.com/en-us/cli/azure/acr/task>

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#### QUESTION 5

You have an Azure subscription named Subscription1 that contains a custom Azure policy named Policy1. Policy1 is an audit policy that monitors naming convention compliance for the resources deployed to Subscription1.

You have a pipeline named Pipeline1 in Azure Pipelines. Pipeline1 deploys Azure Resource Manager (ARM) resources to Subscription1.

You need to ensure that the resources deployed by Pipeline1 comply with Policy1.

What should you add to Pipeline1?

- A. a pre-deployment task that runs a security and compliance assessment
- B. a post-deployment task that runs a security and compliance assessment
- C. an ARM template deployment task to assign Policy1 to Subscription1
- D. an ARM template deployment task to deploy Policy1 to Subscription1

Correct Answer: A

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