

AZ-400

Practice Test 2

About the practice test

45 questions | 2 hours | passing score 70 %

★ Question 1:

Your team has defined the below Azure pipeline

```
1 # ASP.NET Core (.NET Framework)
2 # Build and test ASP.NET Core projects targeting the full .NET Framework.
3 # Add steps that publish symbols, save build artifacts, and more:
4 # https://docs.microsoft.com/azure/devops/pipelines/languages/dotnet-core
5 
6 trigger:
7 - main
8
9 pool:
10 name: Default
11
12 variables:
13 solution: '**/*.sln'
14 buildPlatform: 'Any CPU'
15 buildConfiguration: 'Release'
16
17 steps:
18 - task: UseDotNet@2
19 displayName: Install .NET 6
20 inputs:
21 packageType: 'sdk'
22 version: 6.x
23
24 - task: DotNetCoreCLI@2
25 displayName: Build
26 inputs:
27 command: build
28 projects: '**/*.csproj'
29 arguments: '--configuration $(buildConfiguration)'
```

Your team has discovered that it is taking time to download the NuGet packages for each pipeline run. You have to ensure that the pipeline execution time is reduced. Which of the following can be implemented for this requirement?

Add a cache task to the pipeline

Add a package task to the pipeline

Add a sonar task to the pipeline

Add a publish task to the pipeline

★ Question 2 :

Your team has defined the below Azure pipeline

```
1 | # ASP.NET Core (.NET Framework)
2 | # Build and test ASP.NET Core projects targeting the full .NET Framework.
3 | # Add steps that publish symbols, save build artifacts, and more:
4 | # https://docs.microsoft.com/azure/devops/pipelines/languages/dotnet-core
5 |
6 | trigger:
7 | - main
8 |
9 | pool:
10| name: Default
11|
12| variables:
13| solution: '**/*.sln'
14| buildPlatform: 'Any CPU'
15| buildConfiguration: 'Release'
16|
17| steps:
18| - task: UseDotNet@2
19|   displayName: Install .NET 6
20|   inputs:
21|     packageType: 'sdk'
22|     version: 6.x
23|
24| - task: DotNetCoreCLI@2
25|   displayName: Build
26|   inputs:
27|     command: build
28|     projects: '**/*.csproj'
29|     arguments: '--configuration $(buildConfiguration)'
```

The application that is being built uses several open-source libraries. You have to ensure that the open-source libraries comply with the company's licensing policies. Which of the following can be integrated into the pipeline for this requirement?

Gulp

Mend Bolt

Grunt

Docker

The application that is being built uses several open-source libraries. You have to ensure that the open-source libraries comply with the company's licensing policies. Which of the following can be integrated into the pipeline for this requirement?

★ Question 3 :

Your company has an Azure DevOps organization and an Azure subscription. They have created a Windows Server 2019 virtual machine as part of the Azure subscription. This machine is going to be used as a self-hosted agent in Azure Pipelines. Which of the following needs to be used to register the machine as a self-hosted agent?

OAuth

Password

Personal Access Token

Service Connection

★ Question 4 :

Your company has an Azure DevOps organization and a project defined within the organization. They want to delegate permissions on working with agent pools within the organization and within the project. Members assigned to a role should be able to view the agent pool and the agents at organization level. Which role would be best suited for this requirement, ensuring that the least privilege is used when assigning the role?

Reader

Service Account

Administrator

★ Question 5 :

Your company has an Azure DevOps organization and a project defined within the organization. They want to delegate permissions on working with agent pools within the organization and within the project. Members assigned to a role should be able to use the agent pool within Azure pipelines. Which role would be best suited for this requirement, ensuring that the least privilege is used when assigning the role?

Reader

User

Administrator

★ Question 6:

Your team needs to setup a build pipeline within an Azure DevOps project. The pipeline would be used to build an ASP.NET Core application. You have to configure SonarCloud to perform a code quality check on the code as part of the build pipeline.

You have to complete the below build pipeline for this requirement

```
trigger:
- main

pool:
  vmImage: 'windows-latest'

variables:
  solution: '**/*.sln'
  buildPlatform: 'Any CPU'
  buildConfiguration: 'Release'

steps:
- task: NuGetToolInstaller@1

- task: NuGetCommand@2
  inputs:
    restoreSolution: '$(solution)'
```

Task 1

```
- task: VSBuild@1
  inputs:
    solution: '$(solution)'
    msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=true /p:SkipInvalidConfigurations=true /p:DesktopBuildPackageLocation="$(build.artifactStagingDirectory)\WebApp.zip" /p:DeployIisAppPath="Default Web Site"'
    platform: '$(buildPlatform)'
    configuration: '$(buildConfiguration)'
```

Task 2

Task 3

Which of the following task would come in Task 1 for this requirement?

- Publish Build Artifacts
 - Visual Studio Test
 - Prepare Analysis Configuration
 - Run Code Analysis
 - Publish Quality Gate Result

★ Question 7:

Your team needs to setup a build pipeline within an Azure DevOps project. The pipeline would be used to build an ASP.NET Core application. You have to configure SonarCloud to perform a code quality check on the code as part of the build pipeline.

You have to complete the below build pipeline for this requirement

```
trigger:  
- main  
  
pool:  
  vmImage: 'windows-latest'  
  
variables:  
  solution: '**/*.sln'  
  buildPlatform: 'Any CPU'  
  buildConfiguration: 'Release'  
  
steps:  
- task: NuGetToolInstaller@1  
  
- task: NuGetCommand@2  
  inputs:  
    restoreSolution: '$(solution)'
```

Task 1

```
- task: VSTest@1  
  inputs:  
    solution: '$(solution)'  
    msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=true /p:SkipInvalidConfigurations=true /p:DesktopBuildPackageLocation="$(build.artifactStagingDirectory)\WebApp.zip" /p:DeployIisAppPath="Default Web Site"'  
    platform: '$(buildPlatform)'  
    configuration: '$(buildConfiguration)'
```

Task 2

Task 3

Which of the following task would come in Task 2 for this requirement?

Publish Build Artifacts

Visual Studio Test

Prepare Analysis Configuration

Run Code Analysis

Publish Quality Gate Result

★ Question 8:

Your team needs to setup a build pipeline within an Azure DevOps project. The pipeline would be used to build an ASP.NET Core application. You have to configure SonarCloud to perform a code quality check on the code as part of the build pipeline.

You have to complete the below build pipeline for this requirement

```
trigger:  
- main  
  
pool:  
  vmImage: 'windows-latest'
```

```
variables:  
  solution: '**/*.sln'  
  buildPlatform: 'Any CPU'  
  buildConfiguration: 'Release'
```

```
steps:  
- task: NuGetToolInstaller@1
```

```
- task: NuGetCommand@2  
  inputs:  
    restoreSolution: '$(solution)'
```

Task 1

```
- task: VSBuild@1  
  inputs:  
    solution: '$(solution)'  
    msbuildArgs: '/p:DeployOnBuild=true /p:WebPublishMethod=Package /p:PackageAsSingleFile=  
true /p:SkipInvalidConfigurations=true /p:DesktopBuildPackageLocation="$(build.artifactStag  
ingDirectory)\WebApp.zip" /p:DeployIisAppPath="Default Web Site"'  
    platform: '$(buildPlatform)'  
    configuration: '$(buildConfiguration)'
```

Task 2

Task 3

Which of the following task would come in Task 3 for this requirement?

Publish Build Artifacts

Visual Studio Test

Prepare Analysis Configuration

Run Code Analysis

Publish Quality Gate Result

★ Question 9 :

Your team needs to setup a build pipeline within an Azure DevOps project. With each build, you also need to get an idea with regards to the technical debt of the codebase. Which of the following tool can help in this regard?

SonarQube

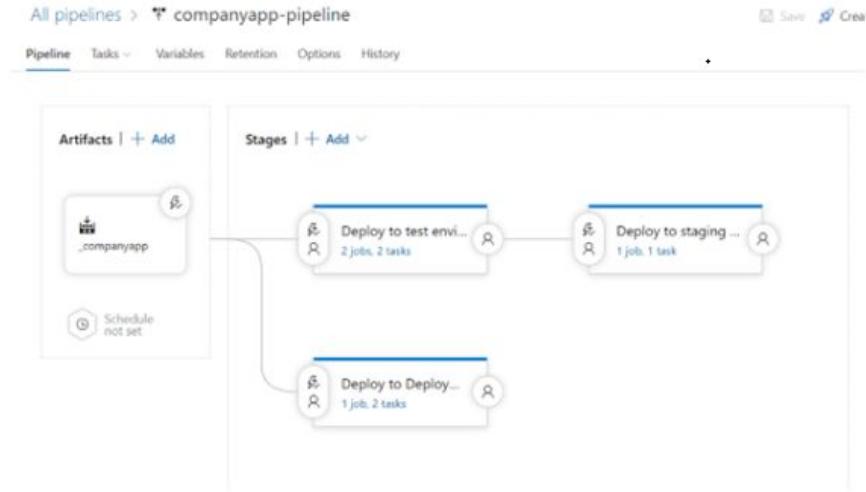
Jenkins

Azure Artifacts

Azure Boards

★ Question 10 :

Your team currently has a release pipeline in place



You have to ensure that the pipeline release information is attached to the work item related to the commit that triggered the build. Which of the following must you configure for this requirement?

Create a service connection

Create a service hook

Configure the Integration options

Configure a pipeline variable

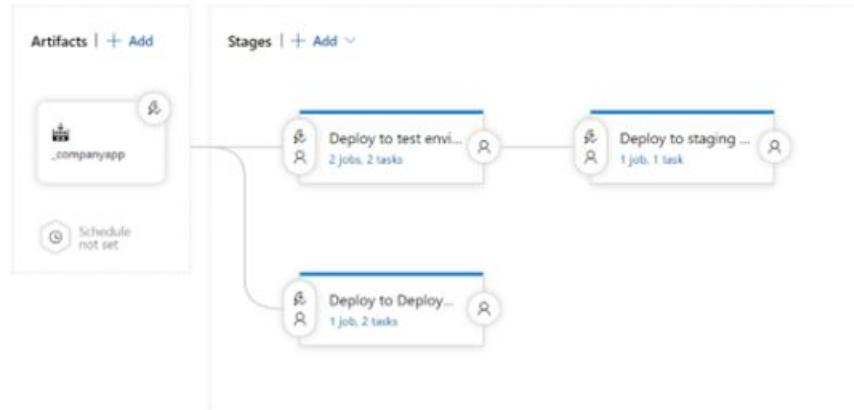
★ Question 11:

Your team currently has a release pipeline in place

All pipelines > companyapp-pipeline

Save Create

Pipeline Tasks Variables Retention Options History



You have to ensure that the build is not released to the staging environment if the deployment to the test environment does not comply with an Azure policy. Which of the following can be configured in the pipeline for this?

A pipeline approval

A deployment gate

A pipeline trigger

★ Question 12 :

Your team is building a build and release pipeline for an ASP.NET application. The application needs to be deployed to a set of Azure virtual machines. You need to devise an ideal strategy for releasing the application onto the set of Azure virtual machines. Which of the following could be considered for this requirement?

- Place the virtual machines as part of a deployment group
- Place the virtual machines as part of the same DevOps project
- Place the virtual machines as part of the same DevOps organization

★ Question 13 :

Your team is building a Dockerfile for an ASP.NET application that needs to be published to an Azure Container registry as an image. You have to complete the below Dockerfile accordingly.

Instruction 1

```
WORKDIR /source
```

```
COPY *.csproj ./
```

```
RUN dotnet restore
```

```
COPY ..
```

Instruction 2

Instruction 3

```
WORKDIR /app
```

```
COPY --from=build /source/out .
```

```
EXPOSE 80
```

```
ENTRYPOINT ["dotnet", "sqlapp.dll"]
```

Which of the following would go as Instruction1?

FROM mcr.microsoft.com/dotnet/aspnet:6.0

FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build

RUN dotnet publish -c Release -o out

★ Question 14 :

Your team is building a Dockerfile for an ASP.NET application that needs to be published to an Azure Container registry as an image. You have to complete the below Dockerfile accordingly.

Instruction 1

WORKDIR /source

COPY *.csproj ./

RUN dotnet restore

COPY ..

Instruction 2

Instruction 3

WORKDIR /app

COPY --from=build /source/out .

EXPOSE 80

ENTRYPOINT ["dotnet", "sqlapp.dll"]

Which of the following would go as Instruction2?

FROM mcr.microsoft.com/dotnet/aspnet:6.0

FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build

RUN dotnet publish -c Release -o out

★ Question 15 :

Your team is building a Dockerfile for an ASP.NET application that needs to be published to an Azure Container registry as an image. You have to complete the below Dockerfile accordingly.

Instruction 1

```
WORKDIR /source
```

```
COPY *.csproj ./
```

```
RUN dotnet restore
```

```
COPY ..
```

Instruction 2

Instruction 3

```
WORKDIR /app
```

```
COPY --from=build /source/out .
```

```
EXPOSE 80
```

```
ENTRYPOINT ["dotnet", "sqlapp.dll"]
```

Which of the following would go as Instruction3?

FROM mcr.microsoft.com/dotnet/aspnet:6.0

FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build

RUN dotnet publish -c Release -o out

★ Question 16 :

Which of the following tool can be used in your pipeline to automate the UI testing of an application?

Mend Bolt

XUnit

Selenium

Grunt

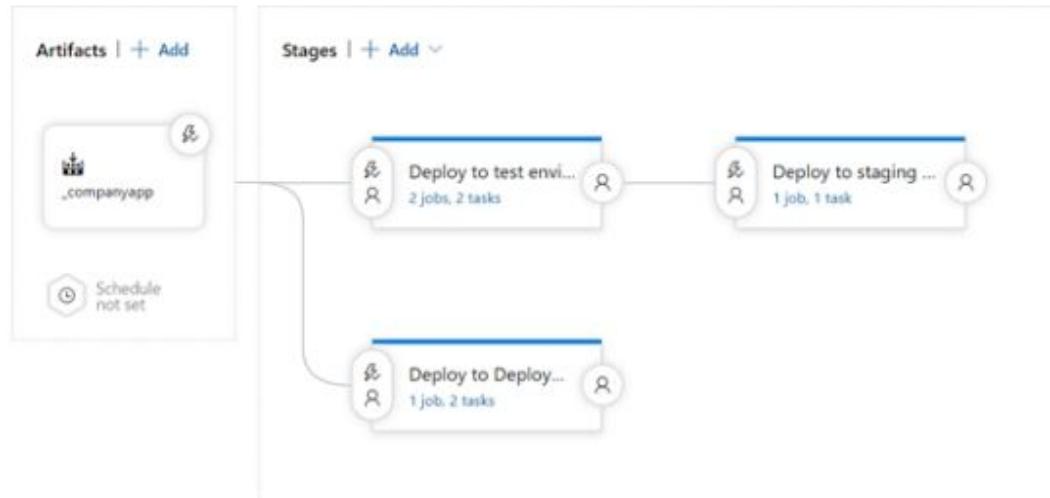
★ Question 17 :

Your team has the following pipeline in place

All pipelines > companyapp-pipeline

Save Ch

Pipeline Tasks Variables Retention Options History



Is Continuous Delivery enable for this pipeline?

Yes

No

★ Question 18 :

Your team has setup an Azure Automation Account. They want to associate Windows-based Azure virtual machines as nodes in the Automation Account. All machines need to have the Web-Server role enabled on them.

The screenshot shows the Azure portal interface for the 'vmautomation' Automation Account. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration Management, Inventory, Change tracking, State configuration (DSC), Update management, and Process Automation. The main content area displays the account details: Resource group is 'vmautogroup'; Subscription ID is '6912d7a0-bc28-459a-9407-33bbba641c07'; Location is 'North Europe'; Status is 'Active'; Last modified was '8/11/2022, 10:51 PM'; and Tags are listed as 'Subscription (more)' and 'Azure.subscription.1'. Below this, there is a 'Job Statistics' section for the last 24 hours, showing 0 failed, suspended, completed, running, queued, and stopped jobs. A large circular progress bar also indicates 0 tasks completed.

You need to complete the below Configuration for this requirement

```
configuration NewConfig
{
    Slot1 localhost
    {
        Slot2 IIS
        {
            Ensure          = 'Present'
            Name           = 'Web-Server'
            IncludeAllSubFeature = $true
        }
    }
}
```

Which of the following would go into Slot 1?

Feature

State

WindowsFeature

Node

★ Question 19 :

Your team has setup an Azure Automation Account. They want to associate Windows-based Azure virtual machines as nodes in the Automation Account. All machines need to have the Web-Server role enabled on them.

The screenshot shows the Azure portal interface for the 'vmautomation' Automation Account. On the left, there's a navigation bar with various sections like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Configuration Management, Inventory, Change tracking, State configuration (DSC), Update management, and Process Automation. Under Process Automation, Runbooks, Jobs, Hybrid worker groups, and Watcher tasks are listed. A large circular '0' icon indicates no runbooks or jobs. On the right, the 'Overview' tab is selected, showing basic account details: Resource group (template-rg), Subscription ID (691267a0-bc28-459a-9407-33bbba641c07), Location (North Europe), Status (Active), and Last modified (8/11/2022, 10:51 PM). Below this is a 'Tags (edit)' section with a link to 'Click here to add tags'. At the bottom, 'Job Statistics (Last 24 Hours)' are displayed, showing counts for Failed, Suspended, Completed, Running, Queued, and Stopped states, all of which are 0.

You need to complete the below Configuration for this requirement

```
configuration NewConfig
{
    Slot 1 localhost
    {
        Slot 2 IIS
        {
            Ensure = 'Present'
            Name = 'Web-Server'
            IncludeAllSubFeature = $true
        }
    }
}
```

Which of the following would go into Slot 2?

- Feature
- State
- WindowsFeature
- Node

★ Question 20 :

Your company is currently using the following set of tools

- 1) Trello
- 2) Atlassian Bamboo
- 3) Atlassian Bitbucket

They now want to replace these tools with the use of the Azure DevOps set of tools.

Which of the following can be used in Azure DevOps in replacement of Trello?

Azure Boards

Azure Repos

Azure Pipelines

Azure Test Plans

★ Question 21:

Your company is currently using the following set of tools

- 1) Trello
- 2) Atlassian Bamboo
- 3) Atlassian Bitbucket

They now want to replace these tools with the use of the Azure DevOps set of tools.

Which of the following can be used in Azure DevOps in replacement of Atlassian Bamboo?

Azure Boards

Azure Repos

Azure Pipelines

Azure Test Plans

★ Question 22 :

Your company is currently using the following set of tools

- 1) Trello
- 2) Atlassian Bamboo
- 3) Atlassian Bitbucket

They now want to replace these tools with the use of the Azure DevOps set of tools.

Which of the following can be used in Azure DevOps in replacement of Atlassian Bitbucket?

Azure Boards

Azure Repos

Azure Pipelines

Azure Test Plans

★ Question 23 :

Your team has a web application deployed to Azure via the use of Azure Web App. They also have an Application Insights resource linked to the Azure Web App. You need to use the different tools available in Application Insights to analyze user behavior.

Which of the following can be used to understand the following user behavior?

“Analyze how load times and other factors influence conversion rates for the various parts of the application”

User Flows

Impact

Retention

Funnels

★ Question 24 :

Your team has a web application deployed to Azure via the use of Azure Web App. They also have an Application Insights resource linked to the Azure Web App. You need to use the different tools available in Application Insights to analyze user behavior.

Which of the following can be used to understand the following user behavior?

"Analyze how many users return to the application"

User Flows

Impact

Retention

Funnels

★ Question 25 :

Your team has a web application deployed to Azure via the use of Azure Web App. They also have an Application Insights resource linked to the Azure Web App. You need to use the different tools available in Application Insights to analyze user behavior.

Which of the following can be used to understand the following user behavior?

“Analyze how customers are flowing through the different stages of your application”

User Flows

Impact

Retention

Funnels

★ Question 26 :

Your DevOps team is currently using the Azure DevOps suite of services. They have defined a project in Azure DevOps and are currently using Azure Boards for work tracking purposes. They want to make use of chart widgets to track different project metrics.

Which of the following can be used to track the below metric?

"Show the current status of each release pipeline"

Build history

Release pipeline overview

Query tile

Sprint capacity

★ Question 27 :

Your DevOps team is currently using the Azure DevOps suite of services. They have defined a project in Azure DevOps and are currently using Azure Boards for work tracking purposes. They want to make use of chart widgets to track different project metrics.

Which of the following can be used to track the below metric?

“Display the summary of shared query results”

Build history

Release pipeline overview

Query tile

Sprint capacity

★ Question 28 :

Your DevOps team is currently using the Azure DevOps suite of services. They have defined a project in Azure DevOps and are currently using Azure Boards for work tracking purposes. They want to make use of chart widgets to track different project metrics.

Which of the following can be used to track the below metric?

"Help to plan and monitor the resources assigned to a sprint"

Build history

Release pipeline overview

Query tile

Sprint capacity

★ Question 29 :

Your team is developing a pipeline which includes a task to deploy resources via an ARM template. The template needs to deploy an Azure Web app to a resource group named "template-grp". You have to ensure that no other resources in the resource group are impacted by this deployment.

You have to complete the below task snippet in the pipeline for this requirement

```
Settings
- task: AzureResourceManagerTemplateDeployment@3
  displayName: 'ARM Template deployment: Resource Group scope'
  inputs:
    azureResourceManagerConnection: 'Azure subscription 1 (6912d7a0-bc28-459a-9407-33bbba641c07)'
    subscriptionId: '6912d7a0-bc28-459a-9407-33bbba641c07'
    resourceGroupName: 'template-grp'
    location: 'North Europe'
    csmFile: '${Pipeline.Workspace}/template-artifact/main.json'
  action: Slot 1
  deploymentMode: Slot 2
```

```
Settings
- task: SqlAzureDacpacDeployment@1
  displayName: 'Azure SQL InlineSqlTask'
  inputs:
    azureSubscription: 'Azure subscription 1 (6912d7a0-bc28-459a-9407-33bbba641c07)'
    ServerName: sqlserver1500505.database.windows.net
    DatabaseName: appdb
    SqlUsername: sqlusr
    SqlPassword: 'Azure@123'
    deployType: InlineSqlTask
    SqlInline: |
      IF NOT EXISTS (SELECT *
        FROM INFORMATION_SCHEMA.TABLES
        WHERE TABLE_NAME = 'appdb')
        CREATE TABLE appdb (id INT)
```

Which of the following would come in Slot 1 for this requirement?

- 'Complete'
- 'Incremental'
- 'Delete Resource Group'
- 'Create or Update Resource Group'

★. Question 30 :

Your team is developing a pipeline which includes a task to deploy resources via an ARM template. The template needs to deploy an Azure Web app to a resource group named "template-grp". You have to ensure that no other resources in the resource group are impacted by this deployment.

You have to complete the below task snippet in the pipeline for this requirement

```
Settings
- task: AzureResourceManagerTemplateDeployment@3
  displayName: 'ARM Template deployment: Resource Group scope'
  inputs:
    azureResourceManagerConnection: 'Azure subscription 1 (6912d7a0-bc28-459a-9407-33bbba641c07)'
    subscriptionId: '6912d7a0-bc28-459a-9407-33bbba641c07'
    resourceGroupName: 'template-grp'
    location: 'North Europe'
    csmFile: '$(Pipeline.Workspace)/template-artifact/main.json'

  action: Slot 1
  deploymentMode: Slot 2

Settings
- task: SqlAzureDacpacDeployment@1
  displayName: 'Azure SQL InlineSqlTask'
  inputs:
    azureSubscription: 'Azure subscription 1 (6912d7a0-bc28-459a-9407-33bbba641c07)'
    ServerName: sqlserver1500505.database.windows.net
    DatabaseName: appdb
    SqlUsername: sqlusr
    SqlPassword: 'Azure@123'
    deployType: InlineSqlTask
    SqlInline: |
      IF (NOT EXISTS (SELECT *
        FROM INFORMATION_SCHEMA.TABLES
        WHERE TABLE_NAME = 'appdb'))
```

Which of the following would come in Slot 2 for this requirement?

'Complete'

'Incremental'

'Delete Resource Group'

'Create or Update Resource Group'

Your team has setup an Azure Web App that is connected to an Azure Application Insights instance. You have to ensure that developers are warned about any potential performance problems or failures anomalies in the web application. Which of the following can help in this regard?

Application Insights – Application Map

Application Insights – Smart Detection

Application Insights – User Flows

Application Insights – Funnels

★ Question 32 :

Your team has setup an Azure Web App that is connected to an Azure Application Insights instance. Which of the following language is used to query for the data in the underlying workspace attached to Application Insights?

C# .Net

KQL

JavaScript

★ Question 33 :

Your company has a set of resources defined as part of their Azure subscription. A couple of Azure Web Apps are being used for hosting a production-based workload. The company wants to ensure that any production-based alerts generated for the Azure Web Apps generate incidents in their external ServiceNow incident management system. Which of the following can be used for this requirement?

Application Insights

IT Service Management Integration

Service connections

Snapshot Debugger

★ Question 34 :

Your company has setup a couple of Azure Web Apps as part of their subscription. They want to provide DevOps professionals with the following capabilities

- 1) Be able to automatically detect performance issues within the web application hosted on the Azure Web App.
- 2) Get information on how users are using the application

Which of the following can be used for this requirement?

Application Insights

Azure Advisor

Microsoft Defender for Cloud

Azure Active Directory

★ Question 35 :

Your company has setup a couple of Azure Web Apps as part of their subscription. The Azure Web Apps are hosting a production-based workload. You are tasked with creating an alert in Azure Monitor if the application becomes unresponsive for more than 5 minutes. Which of the following could potentially be used for this requirement?

Azure Service Health Alert

Availability test in Application Insights

Test Plans in Azure DevOps

★ Question 36 :

Your company is currently developing a set of applications. These applications are going to be hosted on a set of Azure virtual machines. You have to decide on the right deployment strategy when it comes to application updates. Below are the requirements when it comes to Application deployments.

- 1) ApplicationA – Ensure that a limited deployment of the newer application version is made. The functionality is then tested. Once testing is a success , then the rollout is carried out to all users.
- 2) ApplicationB – Here the deployment would replace instances of the previous version of the application with instances of the newer version of the application on a fixed set of virtual machines.

Which of the following deployment approach would you consider for ApplicationA?

Rolling

Blue-Green

Canary

★ Question 37 :

Your company is currently developing a set of applications. These applications are going to be hosted on a set of Azure virtual machines. You have to decide on the right deployment strategy when it comes to application updates. Below are the requirements when it comes to Application deployments.

- 1) ApplicationA – Ensure that a limited deployment of the newer application version is made. The functionality is then tested. Once testing is a success , then the rollout is carried out to all users.
- 2) ApplicationB – Here the deployment would replace instances of the previous version of the application with instances of the newer version of the application on a fixed set of virtual machines.

Which of the following deployment approach would you consider for ApplicationB?

Rolling

Blue-Green

Canary

★ Question 38 :

Your team has deployed an Azure virtual machine scale set.

The screenshot shows the Azure portal interface for a 'Virtual machine scale set' named 'app-set'. The left sidebar lists navigation options: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Instances, Networking, Scaling, and Disks. The main content area displays the 'Essentials' section with the following details:

Setting	Value
Resource group	lmovaz
template.grp	
Status	2 out of 2 succeeded
Location	North Europe
Subscription	(move) Azure subscription 1
Subscription ID	6912d7a0-bc28-459a-9407-33bbba641c07
Operating system	Windows
Size	Standard_D2s_v3 (2 instances)
Public IP address	20234814
Public IP address (IPv6)	:
Virtual network/subnet	template-grp-vnet/default
Orchestration mode	Uniform

The virtual machine scale sets are being used to host a web application and they sit behind an Azure Load Balancer. You have to configure the scale set when it comes to upgrade of the individual instances. The scale set must be able to determine which instances are eligible for an upgrade operation. Which of the following can be considered for this requirement?

Application Health Extensions

Installing a Custom Script Extension

Configure a new backend in the Load Balancer

Configure an autoscale condition for the scale set

★ Question 39 :

Your team has deployed an Azure virtual machine scale set.

The screenshot shows the Azure portal interface for a Virtual Machine Scale Set named 'app-set'. The left sidebar contains navigation links for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Settings (Instances, Networking, Scaling, Disks), and Tags. The main content area is titled 'Essentials' and displays the following information:

Setting	Value
Resource group	template-grp
Status	2 out of 2 succeeded
Location	North Europe
Subscription (more)	Azure subscription 1
Subscription ID	6912d7a0-bc28-459a-9407-33bbba641c07
Operating system	Windows
Size	Standard_D2s_v3 (2 instances)
Public IP address	20.234.81.4
Public IP address (IPv6)	(none)
Virtual network/subnet	template-grp-vnet/default
Orchestration mode	Uniform

An administrator needs to be notified whenever a scaling action occurs on the virtual machine scale set. Which of the following can be configured for this requirement?

- Notification settings in the scaling section for the virtual machine scale set**
- Maintenance control in Guest and host updates for the virtual machine scale set**
- A custom script extension for the virtual machine scale set**
- Continuous Delivery for the virtual machine scale set**

★ Question 40 :

Your team has an Azure virtual machine as shown below. A web application is being hosted on the virtual machine.

The screenshot shows the Azure portal interface for a virtual machine named "appvm". The left sidebar includes options like Overview, Activity log, Access control (IAM), Tag, Diagnose and solve problems, Settings, and Networking. The main content area displays the "Essentials" tab with the following details:

Resource group (Usage)		Operating system	
Resource group	Template-app	OS Type	Windows (Windows Server 2019 Datacenter)
Status	Running	Size	Standard D3s v3 (2 vCPUs, 8 GB memory)
Location	North Europe	Public IP address	20.136.4.62
Subscription (Usage)	Azure subscription 1	Virtual network/subnet	template-app-vnet/default
Subscription ID	691217a0-6c20-45fe-9407-2366ba641cf7	DNS name	Not configured
Tags (0)	Click here to add tags		

You have to enable the Service Map solution for the Azure virtual machine. Which of the following extensions need to be installed on the virtual machine for this requirement? Choose 2 answers from the options given below.

Microsoft Monitoring Agent

Azure Pipelines Agent

PowerShell DSC

Microsoft Dependency Agent

★ Question 41:

Your team is deploying a container group via a YAML definition. They have to ensure to check the status of an external endpoint before the container starts. The container should also restart automatically if it stops.

You need to complete the below YAML definition

```
apiVersion: 2019-12-01
location: eastus
name: northeurope
properties:
  containers:
    - name: web
      properties:
        image: companyregistry.azurecr.io/appsqlimage:latest
      ports:
        - port: 80
      resources:
        requests:
          cpu: 1.0
          memoryInGB: 1.5
      Slot 1
      exec:
        command:
          - .....
      periodSeconds : 5
    osType: Linux
  Slot 2 : Always
  ipAddress:
    type: Public
```

Which of the following can come in Slot 1?

livenessProbe

readinessProbe

Never

Always

★ Question 42 :

Your team is deploying a container group via a YAML definition. They have to ensure to check the status of an external endpoint before the container starts. The container should also restart automatically if it stops.

You need to complete the below YAML definition

```
apiVersion: 2019-12-01
```

```
location: eastus
```

```
name: northeurope
```

```
properties:
```

```
containers:
```

```
- name: web
```

```
properties:
```

```
image: companyregistry.azurecr.io/appsqlimage:latest
```

```
ports:
```

```
- port: 80
```

```
resources:
```

```
requests:
```

```
cpu: 1.0
```

```
memoryInGB: 1.5
```

Slot 1

```
exec:
```

```
command:
```

```
- .....
```

```
periodSeconds : 5
```

```
osType: Linux
```

Slot 2 : Always

```
ipAddress:
```

```
type: Public
```

Which of the following can come in Slot 2?

livenessProbe

readinessProbe

Never

restartPolicy

★ Question 43 :

You have the following resources as part of your Azure subscription

<input type="checkbox"/> Name ↑↓	Type ↑↓	Resource group ↑↓
<input type="checkbox"/> app-workspace	Log Analytics workspace	template-grp
<input type="checkbox"/> appvm	Virtual machine	TEMPLATE-GRP
<input type="checkbox"/> appvm-ip	Public IP address	template-grp
<input type="checkbox"/> appvm-nsg	Network security group	template-grp
<input type="checkbox"/> appvm948	Network Interface	template-grp
<input type="checkbox"/> appvm_disk1_fe25617682c74575b0068efdecd30ed	Disk	TEMPLATE-GRP
<input type="checkbox"/> ASP-templategrp-9fd0	App Service plan	template-grp
<input type="checkbox"/> NetworkWatcher_northeurope	Network Watcher	NetworkWatcherRG
<input type="checkbox"/> newapp787878	App Service	template-grp
<input type="checkbox"/> owasp	Container instances	template-grp
<input type="checkbox"/> owaspstore222000	Storage account	template-grp
<input type="checkbox"/> ServiceMap(app-workspace)	Solution	template-grp

You want to be notified if there is any scheduled maintenance planned for the underlying services. Which of the following can be carried out for this requirement?

Create an Activity log alert in Azure Monitor

Create an alert in Azure Monitor based on a Log Analytics workspace

Create an Azure Service Health alert

Create a metric alert in Azure Monitor

★ Question 44 :

Your team is planning on deploying several instances of the Azure Web App service. They will be used for hosting web applications. You want to use a managed service that can be used to store configuration values in the form of key/value pairs that can be used across the web applications. The service must also have support for feature flags. Which of the following can be used for this requirement?

Azure Key Vault

Azure Monitor

Azure Advisor

Azure App Configuration

★ Question 45 :

Your company has a set of Azure virtual machines. All virtual machines are based on Windows Server 2019. All machines currently have the Internet Information Services Role installed on them. You have to ensure that this role remains installed always on the virtual machines. Which of the following should you implement for this requirement? Choose 3 answers from the options given below

Create an Azure DevOps project

Create an Azure Automation account

Import and compile a DSC configuration onto the DevOps project

Import and compile a DSC configuration onto the Azure Automation account

Add the virtual machines as nodes onto the DevOps project

Add the virtual machines as nodes onto the Azure Automation account

Answers

Question 1

Your team has discovered that it is taking time to download the NuGet packages for each pipeline run. You have to ensure that the pipeline execution time is reduced. Which of the following can be implemented for this requirement?

Add a cache task to the pipeline (Correct)

Add a package task to the pipeline

Add a sonar task to the pipeline

Add a publish task to the pipeline

Explanations

You can use pipeline caching to download the normally used packages so that they can be re-used within pipeline runs.

For more information on using pipeline caching, one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/caching?view=azure-devops>

Question 2

The application that is being built uses several open-source libraries. You have to ensure that the open-source libraries comply with the company's licensing policies. Which of the following can be integrated into the pipeline for this requirement?

Gulp

Mend Bolt

(Correct)

Grunt

Docker

Explications

You can use Mend Bolt for this requirement. For more information on Mend Bolt, one can visit the below URL

<https://www.mend.io/free-developer-tools/bolt/>

Question 3

Your company has an Azure DevOps organization and an Azure subscription. They have created a Windows Server 2019 virtual machine as part of the Azure subscription. This machine is going to be used as a self-hosted agent in Azure Pipelines. Which of the following needs to be used to register the machine as a self-hosted agent?

OAuth

Password

Personal Access Token

(Correct)

Service Connection

Explications

A personal access token needs to be used to register the machine as a self-hosted agent.

For more information on an example on using a self-hosted agent, one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/v2-windows?view=azure-devops>

Question 4

Your company has an Azure DevOps organization and a project defined within the organization. They want to delegate permissions on working with agent pools within the organization and within the project. Members assigned to a role should be able to view the agent pool and the agents at organization level. Which role would be best suited for this requirement, ensuring that the least privilege is used when assigning the role?

Reader

(Correct)

Service Account

Administrator

Explanations

The Reader role is sufficient for this requirement.

For more information on agent pools, one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/pools-queues>

Question 5

Your company has an Azure DevOps organization and a project defined within the organization. They want to delegate permissions on working with agent pools within the organization and within the project. Members assigned to a role should be able to use the agent pool within Azure pipelines. Which role would be best suited for this requirement, ensuring that the least privilege is used when assigning the role?

Reader

User

(Correct)

Administrator

Explanations

The User role is sufficient for this requirement.

For more information on agent pools, one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/pipelines/agents/pools-queues>

Question 6

Which of the following task would come in Task 1 for this requirement?

Publish Build Artifacts

Visual Studio Test

Prepare Analysis Configuration

(Correct)

Run Code Analysis

Publish Quality Gate Result

Explications

Here we need to prepare the SonarCloud configuration.

Question 7

Which of the following task would come in Task 2 for this requirement?

Publish Build Artifacts

Visual Studio Test

Prepare Analysis Configuration

Run Code Analysis

(Correct)

Publish Quality Gate Result

Explications

Here we need to run the code analysis.

Question 8

Which of the following task would come in Task 3 for this requirement?

Publish Build Artifacts

Visual Studio Test

Prepare Analysis Configuration

Run Code Analysis

Publish Quality Gate Result

(Correct)

Explications

Here we need to publish the code results.

Question 9

Your team needs to setup a build pipeline within an Azure DevOps project. With each build, you also need to get an idea with regards to the technical debt of the codebase. Which of the following tool can help in this regard?



SonarQube

(Correct)



Jenkins



Azure Artifacts



Azure Boards

Explications

With the help of SonarQube , you can perform a code analysis of your code and get a good idea on the number of issues in the code and hence the technical debt.

Question 10

You have to ensure that the pipeline release information is attached to the work item related to the commit that triggered the build. Which of the following must you configure for this requirement?

- Create a service connection
- Create a service hook
- Configure the Integration options (Correct)
- Configure a pipeline variable

All pipelines > companyapp-pipeline

Save Create release

Pipeline Tasks Variables Retention Options History

General Integrations

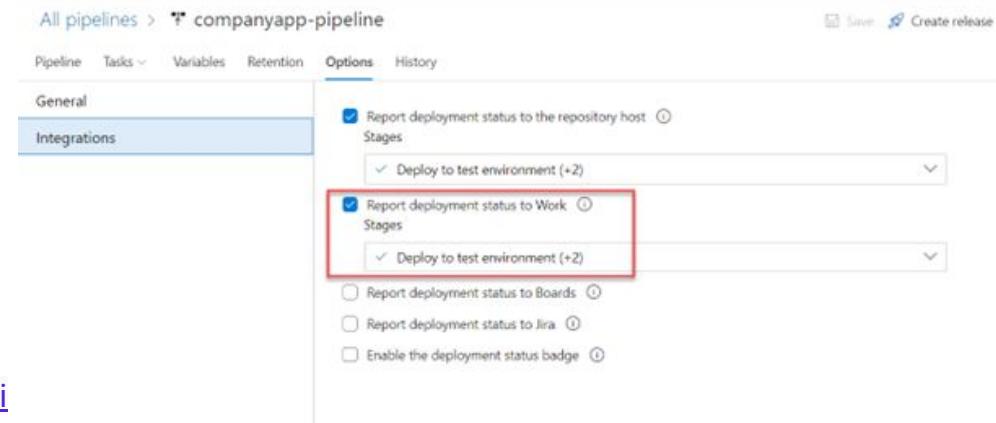
Report deployment status to the repository host ⓘ
Stages
 Deploy to test environment (+2)

Report deployment status to Work ⓘ
Stages
 Deploy to test environment (+2)

Report deployment status to Boards ⓘ

Report deployment status to Jira ⓘ

Enable the deployment status badge ⓘ



Explications

You need to configure the Integration options to ensure the pipeline information is sent back to the work item.

For more information on linking work items one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/boards/work-items/work-item-deployments-control?view=azure-devops>

Question 11

You have to ensure that the build is not released to the staging environment if the deployment to the test environment does not comply with an Azure policy. Which of the following can be configured in the pipeline for this?

- A pipeline approval
- A deployment gate (Correct)
- A pipeline trigger

In Options History

yes | + Add ▾



Post-deployment conditions

Deploy to test environment

Post-deployment approvals

Select the users who can approve or reject deployment

Gates ▾

Define gates to evaluate after the deployment.
Learn more

The delay before evaluation ⓘ

1 Minutes

Deployment notes ⓘ



- Check Azure Policy compliance
Security and compliance assessment for Azure Policy
- Invoke Azure Function
Invoke an Azure Function
- Invoke REST API
Invoke a REST API as a part of your pipeline
- Query Azure Monitor alerts
Observe the configured Azure Monitor rules for active alerts
- Query work items
Execute a work item query and check the number of items returned
- SonarCloud Quality Gate status check
SonarCloud Quality Gate status check for a build

Explications

You can configure a gate that ensures the deployment is not made unless it complies with the Azure policy service.

Question 12

Your team is building a build and release pipeline for an ASP.NET application. The application needs to be deployed to a set of Azure virtual machines. You need to devise an ideal strategy for releasing the application onto the set of Azure virtual machines. Which of the following could be considered for this requirement?

- Place the virtual machines as part of a deployment group (Correct)
- Place the virtual machines as part of the same DevOps project
- Place the virtual machines as part of the same DevOps organization

Explanations

When you want to release an application to multiple machines, you should consider placing them into a deployment group.

For more information on deployment groups one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/pipelines/release/deployment-groups/?view=azure-devops>

Question 13

Which of the following would go as Instruction1?

- FROM mcr.microsoft.com/dotnet/aspnet:6.0
- FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build(Correct)
- RUN dotnet publish -c Release -o out

Explanations

Here we need to use the SDK to build the .NET application.

Question 14

Which of the following would go as Instruction2?

FROM mcr.microsoft.com/dotnet/aspnet:6.0

FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build

RUN dotnet publish -c Release -o out

(Correct)

Explications

Next, we need to publish the build.

Question 15

Which of the following would go as Instruction3?

FROM mcr.microsoft.com/dotnet/aspnet:6.0 (Correct)

FROM mcr.microsoft.com/dotnet/sdk:6.0 AS build

RUN dotnet publish -c Release -o out

Explications

Finally, in this multi-stage build, we can create the final image using the aspnet runtime image.

Question 16

Which of the following tool can be used in your pipeline to automate the UI testing of an application?

Mend Bolt

XUnit

Selenium

(Correct)

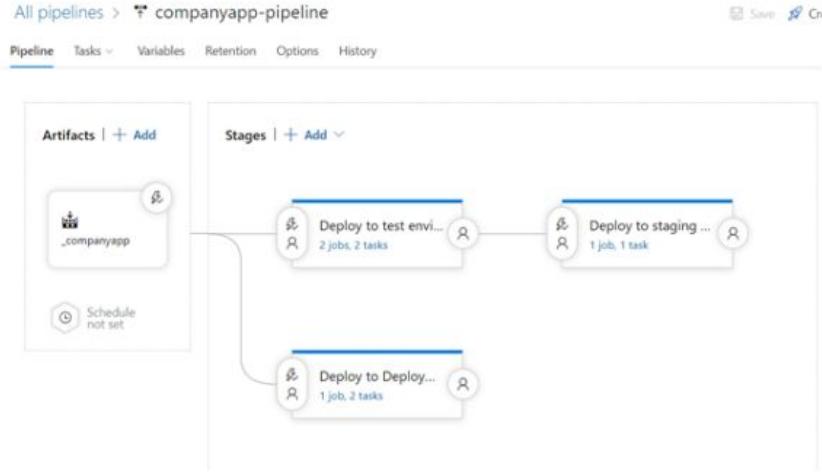
Grunt

Explications

You can use the Selenium tool to create UI tests.

Question 17

Your team has the following pipeline in place



Is Continuous Delivery enable for this pipeline?

Yes

(Correct)

No

Explications

Since the triggers are set for each stage, we do have a Continuous Delivery pipeline.

Question 18

Which of the following would go into Slot 1?

Feature

State

WindowsFeature

Node

(Correct)

Explications

Here the Node attribute would be used.

Question 19

Which of the following would go into Slot 2?

Feature

State

WindowsFeature

(Correct)

Node

Explanations

Here the WindowsFeature attribute would be used.

Question 20

Your company is currently using the following set of tools

- 1) Trello
- 2) Atlassian Bamboo
- 3) Atlassian Bitbucket

They now want to replace these tools with the use of the Azure DevOps set of tools.

Which of the following can be used in Azure DevOps in replacement of Trello?

Azure Boards

(Correct)

Azure Repos

Azure Pipelines

Azure Test Plans

Explications

Trello is basically a task management tool which can be replaced with Azure Boards

Question 21

Your company is currently using the following set of tools

- 1) Trello
- 2) Atlassian Bamboo
- 3) Atlassian Bitbucket

They now want to replace these tools with the use of the Azure DevOps set of tools.

Which of the following can be used in Azure DevOps in replacement of Atlassian Bamboo?

Azure Boards

Azure Repos

Azure Pipelines

(Correct)

Azure Test Plans

Explanations

Atlassian Bamboo is a Continuous Integration tool, and you can use Azure Pipelines in its place.

Question 22

Your company is currently using the following set of tools

- 1) Trello
- 2) Atlassian Bamboo
- 3) Atlassian Bitbucket

They now want to replace these tools with the use of the Azure DevOps set of tools.

Which of the following can be used in Azure DevOps in replacement of Atlassian Bitbucket?

Azure Boards

Azure Repos

(Correct)

Azure Pipelines

Azure Test Plans

Explanations

Atlassian Bitbucket is used for hosting Git-based repositories , so this can be replaced with the use of Azure Repos.

Question 23

Which of the following can be used to understand the following user behavior?

“Analyze how load times and other factors influence conversion rates for the various parts of the application”

User Flows

Impact

(Correct)

Retention

Funnels

Explications

You can get this information from the Impact feature of Application Insights

For more information on the Application Insights – Impact feature , one can visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-impact>

Question 24

Your team has a web application deployed to Azure via the use of Azure Web App. They also have an Application Insights resource linked to the Azure Web App. You need to use the different tools available in Application Insights to analyze user behavior.

Which of the following can be used to understand the following user behavior?

"Analyze how many users return to the application"

User Flows

Impact

Retention

(Correct)

Funnels

Explications

You can get this information from the Retention feature of Application Insights

For more information on the Application Insights – Impact feature , one can visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-impact>

Question 25

Your team has a web application deployed to Azure via the use of Azure Web App. They also have an Application Insights resource linked to the Azure Web App. You need to use the different tools available in Application Insights to analyze user behavior.

Which of the following can be used to understand the following user behavior?

“Analyze how customers are flowing through the different stages of your application”

User Flows

Impact

Retention

Funnels

(Correct)

Explanations

You can get this information from the Funnels feature of Application Insights

For more information on the Application Insights – Impact feature , one can visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/usage-impact>

Question 26

Your DevOps team is currently using the Azure DevOps suite of services. They have defined a project in Azure DevOps and are currently using Azure Boards for work tracking purposes. They want to make use of chart widgets to track different project metrics.

Which of the following can be used to track the below metric?

"Show the current status of each release pipeline"

Build history

Release pipeline overview

(Correct)

Query tile

Sprint capacity

Explications

You can get information on the releases via the Release pipeline overview

For more information on the entire widget catalog , one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/report/dashboards/widget-catalog?view=azure-devops>

Question 27

Your DevOps team is currently using the Azure DevOps suite of services. They have defined a project in Azure DevOps and are currently using Azure Boards for work tracking purposes. They want to make use of chart widgets to track different project metrics.

Which of the following can be used to track the below metric?

"Display the summary of shared query results"

Build history

Release pipeline overview

Query tile

(Correct)

Sprint capacity

Explications

You can display the summary of queries via the Query tile.

For more information on the entire widget catalog , one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/report/dashboards/widget-catalog?view=azure-devops>

Question 28

Your DevOps team is currently using the Azure DevOps suite of services. They have defined a project in Azure DevOps and are currently using Azure Boards for work tracking purposes. They want to make use of chart widgets to track different project metrics.

Which of the following can be used to track the below metric?

"Help to plan and monitor the resources assigned to a sprint"

Build history

Release pipeline overview

Query tile

Sprint capacity

(Correct)

Explications

You can get this information via sprint capacity.

For more information on the entire widget catalog , one can visit the below URL

<https://docs.microsoft.com/en-us/azure/devops/report/dashboards/widget-catalog?view=azure-devops>

Question 29

Which of the following would come in Slot 1 for this requirement?

'Complete'

'Incremental'

'Delete Resource Group'

'Create or Update Resource Group'

(Correct)

Explanations

Here we need to choose the option to 'Create or Update Resource Group' because we need to update the resource group with the deployment of the new resource.

Question 30

Which of the following would come in Slot 2 for this requirement?

'Complete'

'Incremental'

(Correct)

'Delete Resource Group'

'Create or Update Resource Group'

Explanations

Since no other resources should be impacted , we need to choose the deployment mode of Incremental.

Question 31

Your team has setup an Azure Web App that is connected to an Azure Application Insights instance. You have to ensure that developers are warned about any potential performance problems or failures anomalies in the web application. Which of the following can help in this regard?

- Application Insights – Application Map
- Application Insights – Smart Detection (Correct)
- Application Insights – User Flows
- Application Insights – Funnels

Explanations

You can achieve this with the use of the Smart Detection feature in Application Insights

For more information on the Smart Detection feature , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/alerts/proactive-diagnostics>

Question 32

Your team has setup an Azure Web App that is connected to an Azure Application Insights instance. Which of the following language is used to query for the data in the underlying workspace attached to Application Insights?

C# .Net

KQL

(Correct)

JavaScript

Explanations

When it comes to Application Insights, by default the data is stored in a Log Analytics workspace. You can query the data with the use of KQL which is Kusto Query Language.

Question 33

Your company has a set of resources defined as part of their Azure subscription. A couple of Azure Web Apps are being used for hosting a production-based workload. The company wants to ensure that any production-based alerts generated for the Azure Web Apps generate incidents in their external ServiceNow incident management system. Which of the following can be used for this requirement?

Application Insights

IT Service Management Integration

(Correct)

Service connections

Snapshot Debugger

Explanations

The IT Service Management Connector can be used to send metric alerts from the Azure Monitor service onto the external Incident Management system.

For more information on the IT Service Management feature , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/alerts/itsmc-overview>

Question 34

Your company has setup a couple of Azure Web Apps as part of their subscription. They want to provide DevOps professionals with the following capabilities

- 1) Be able to automatically detect performance issues within the web application hosted on the Azure Web App.
- 2) Get information on how users are using the application

Which of the following can be used for this requirement?

- | | |
|--|-----------|
| <input type="radio"/> Application Insights | (Correct) |
| <input type="radio"/> Azure Advisor | |
| <input type="radio"/> Microsoft Defender for Cloud | |
| <input type="radio"/> Azure Active Directory | |

Explanations

All of these features can be accomplished with the use of Application Insights.

For more information on Application Insights , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/app-insights-overview>

Question 35

Your company has setup a couple of Azure Web Apps as part of their subscription. The Azure Web Apps are hosting a production-based workload. You are tasked with creating an alert in Azure Monitor if the application becomes unresponsive for more than 5 minutes. Which of the following could potentially be used for this requirement?

Azure Service Health Alert

Availability test in Application Insights (Correct)

Test Plans in Azure DevOps

Explanations

You can make use of Availability Tests in Application Insights to constantly test and monitor web sites.

For more information on Availability Tests in Application Insights , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/app/availability-overview>

Question 36

Which of the following deployment approach would you consider for ApplicationA?

Rolling

Blue-Green

Canary

(Correct)

Explanations

Here the canary deployment can be used because we first want to rollout the newer version to a limited set of users.

Question 37

Which of the following deployment approach would you consider for ApplicationB?

Rolling

(Correct)

Blue-Green

Canary

Explications

Here we need to consider the Rolling update since a set of machines need to be replaced at a time here.

Question 38

The virtual machine scale sets are being used to host a web application and they sit behind an Azure Load Balancer. You have to configure the scale set when it comes to upgrade of the individual instances. The scale set must be able to determine which instances are eligible for an upgrade operation. Which of the following can be considered for this requirement?

Application Health Extensions

(Correct)

Installing a Custom Script Extension

Configure a new backend in the Load Balancer

Configure an autoscale condition for the scale set

Explanations

With the use of Application Health Extensions, the virtual machine scale set monitors each individual instance and see which ones are eligible for an upgrade operation.

For more information on Virtual Machine extensions – Application Health Extension , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-health-extension>

Question 39

An administrator needs to be notified whenever a scaling action occurs on the virtual machine scale set. Which of the following can be configured for this requirement?

- Notification settings in the scaling section for the virtual machine scale set** (Correct)
- Maintenance control in Guest and host updates for the virtual machine scale set
- A custom script extension for the virtual machine scale set
- Continuous Delivery for the virtual machine scale set

The screenshot shows the Azure portal interface for managing a virtual machine scale set named 'appset'. The left sidebar lists several configuration sections: Settings, Instances, Networking, Scaling (which is currently selected), Disks, Operating system, Microsoft Defender for Cloud, Guest + host updates, Size, Extensions + applications, and Continuous delivery. The main content area is titled 'Scaling' and includes tabs for Configure, Scale In Policy, Predictive charts, Run history, JSON, Notify (which is active), and Diagnostic settings. Under the Notify tab, there are two checkboxes: 'Email administrators' and 'Email co-administrators'. Below these checkboxes is a text input field labeled 'Additional administrator email(s)' containing the value 'techsup4000@gmail.com'. Further down, there is a 'Webhook' section with a text input field labeled 'HTTP or HTTPS endpoint to route autoscale notifications to'.

Explanations

You can configure this in the notification settings

Question 40

You have to enable the Service Map solution for the Azure virtual machine. Which of the following extensions need to be installed on the virtual machine for this requirement? Choose 2 answers from the options given below.



Microsoft Monitoring Agent

(Correct)



Azure Pipelines Agent



PowerShell DSC



Microsoft Dependency Agent

(Correct)

Explications

You need to make use of the Microsoft Monitoring Agent and the Microsoft Dependency Agent for this requirement.

For more information on the Service Map solution , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-monitor/vm/service-map>

Question 41

Which of the following can come in Slot 1?

livenessProbe

readinessProbe

(Correct)

Never

Always

Explications

Here we need to add the readinessProbe, since this container has to start based on the availability of an external service.

For more information on the readiness probe , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-readiness-probe>

Question 42

Which of the following can come in Slot 2?

livenessProbe

readinessProbe

Never

restartPolicy

(Correct)

Explications

This is required based on the requirement that the container needs to restart automatically if it stops.

For more information on the readiness probe , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/container-instances/container-instances-readiness-probe>

Question 43

You want to be notified if there is any scheduled maintenance planned for the underlying services. Which of the following can be carried out for this requirement?

Create an Activity log alert in Azure Monitor

Create an alert in Azure Monitor based on a Log Analytics workspace

Create an Azure Service Health alert

(Correct)

Create a metric alert in Azure Monitor

Explanations

You can create an alert based on Azure Service Health for this requirement.

For more information on Azure Service Health alerts , one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/service-health/alerts-activity-log-service-notifications-portal>

Question 44

Your team is planning on deploying several instances of the Azure Web App service. They will be used for hosting web applications. You want to use a managed service that can be used to store configuration values in the form of key/value pairs that can be used across the web applications. The service must also have support for feature flags. Which of the following can be used for this requirement?

Azure Key Vault

Azure Monitor

Azure Advisor

Azure App Configuration

(Correct)

Explications

You can store configuration data in the Azure App Configuration service. It also has the support for feature flags.

For more information on Azure App Configuration service, one can also visit the below URL

<https://docs.microsoft.com/en-us/azure/azure-app-configuration/overview>

Question 45

Your company has a set of Azure virtual machines. All virtual machines are based on Windows Server 2019. All machines currently have the Internet Information Services Role installed on them. You have to ensure that this role remains installed always on the virtual machines. Which of the following should you implement for this requirement? Choose 3 answers from the options given below

Create an Azure DevOps project

Create an Azure Automation account

(Correct)

Import and compile a DSC configuration onto the DevOps project

Import and compile a DSC configuration onto the Azure Automation account

(Correct)

Add the virtual machines as nodes onto the DevOps project

Add the virtual machines as nodes onto the Azure Automation account

(Correct)

Explications

We need to create an Azure Automation account

Then we can add the DSC configuration onto the Azure Automation account. Then we compile the configuration.

We can then onboard or the machines as nodes onto the Azure Automation account.