Practice Questions Edition'22

Prepare Yourself for Exam **AZ-400**: Designing and Implementing Microsoft DevOps Solutions

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Hello learners!

With AZ-400 exam training and certification you'll be able to accomplish the following technical tasks: develop an instrumentation strategy; develop a Site Reliability Engineering (SRE) strategy; develop a security and compliance plan; manage source control; facilitate communication and collaboration; define and implement continuous integration; and define and implement a continuous delivery and release management strategy.

Responsibilities of Microsoft DevOps Solutions Architect include designing and implementing strategies for collaboration, code, infrastructure, source control, security, compliance, continuous integration, testing, delivery, monitoring, and feedback.

Before taking up AZ-400 training & exam you must have expertise in Azure Administration and Azure Development. With AZ-400 Training as an Azure DevOps professional you'll be able to design and implement DevOps practices for version control, compliance, infrastructure as code, configuration management, build, release, and testing by using Azure technologies.

Here are the practice questions for you to test yourself!

Here goes the Quiz

1 You're working on a multi-tiered application. The front end will be Azure App Service web apps, while the back end will be an Azure SQL database. The programmed will write data to Azure Storage using Azure functions. When the front end is ready, send an email to the Azure DevOps team. The status code 200 is not returned. Which option should you select?

Select one:

A. availability tests in Azure Application Insights

B. Application Map in Azure Application Insights

C. Service Map in Azure Log Analytics

D. Profiler in Azure Application Insights

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2 You're working on an open-source project with a GitHub repository. In Azure DevOps, you establish a new public project. For continuous build, you intend to use Azure Pipelines. The GitHub Checks API will be used in the solution. What kind of authentication should you use?

Select one:

A. GrtHub App

B. a personal access token

C. OAuth

D. SAML

Here goes the Quiz

3 You want to use Azure Artifacts to distribute packages that you authored, tested, verified, and deployed. You must use a single feed to release numerous builds of each package. The solution must set a restriction on the number of packages that can be released while they are still in development. What should you use?

Select one:

A. local symbols

B. upstream sources

C. global symbols

D. views

EXAM AZ-400

DESIGNING & IMPLEMENTING MICROSOFT DEVOPS SOLUTIONS

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4 You have 50 Node.js-based projects that WhiteSource is scanning. Package.json, Package-lock.json, and Npm-shrinkwrap.json are all included in each project.You should limit the number of WhiteSource library reports to simply those that you expressly reference.So, what are your options?

Select one:

A. Add a devDependencies section to Package-lock.jso

B. Delete Package lock.json

C. Configure the Artifactory plug-in

D. Configure the File System Agent plug in

Here goes the Quiz

5. Your organisation is developing a Java-based solution.To examine the code of.NET applications, the organisation now uses a SonarQube server.The Java solution's code quality must be analysed and monitored. Which types of tasks should you include in your build pipeline?

Select one:

A. Maven

B. Chef

C. Grunt

D. Octopus

6. Many quality concerns are discovered during a code review. Many modules have unnecessary variables and catch Modes that aren't being used. You must propose a solution to improve the code's quality. What would you suggest?

Select one:

A. In a Gradle build task, select Run Checkstyle.

B. In an Xcode build task, select Use xcpretty from Advanced

C. In a Maven build task, select Run PM

D. In a Grunt build task, select Enabled from Control Options.

Here goes the Quiz

7 Your company creates an OS app. All app users have devices that are members of a Microsoft Visual Studio App Center private distribution group.You intend to release a new version of the programme. You'll need to figure out which certificate file you'll need to deliver the latest App Center release.What kind of file should you put in App Center?

Select one:

A. .p12

B. .cer

C. .pfx

D. . pvk

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8 You've got a GitHub account.In Azure DevOps, you establish a new repository.You must suggest a method for cloning the repository from GitHub to Azure DevOps.What would you suggest?

Select one:

A. Create a pull request.

B. Create a service connection for GitHub.

C. From Import a Git repository, click Import

D. Create a personal access token in Azure DevOp

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9 Project3 is created in Azure DevOps.You must adhere to the project's specifications. What should you start with?

Select one:

A. From SonarQube, create a project

B. From Azure DevOps, modify the build definition.

C. From SonarQube, obtain an authentication token.

D. From Azure DevOps, create a service endpoint.

Here goes the Quiz

10 Your business is afraid that when developers use open source libraries, licencing concerns will arise. To detect when common open source libraries are added to the code base, you'll need to add an automated process to the build pipeline. What should you use?

Select one:

A. Jenkins

B. WhiteSource

C. OWASPZAP

D. PDM

11 What should you use to impose the code quality constraint on the investment planning applications suite's release pipeline?

Select one:

A. a post-deployment approval

B. a pre deployment approval

C. a deployment gate

D. a trigger

Here goes the Quiz

12 Your organisation uses Azure and Azure Stack to create a hybrid cloud.The company's CI/CD pipelines are built on Azure DevOps. Erlang and Hack are used to create some apps.As part of the hybrid cloud build strategy, you must verify that Erlang and Hack are supported. Management overhead must be kept to a minimum.To run the construction process, what should you use?

Select one:

A. AzureDevOps self-hosted agents on virtual machine that run on Azure Stack

B. AzureDevOps self-hosted agents on Azure DevTest Labs virtual machines.

C. AzureDevOps self-hosted agents on Hyper-V virtual machines

D. a Microsoft-hosted agent

13 Docket containers are used by your firm to deploy apps. You want to look for known vulnerabilities in the Docket images that are used to provision Docker containers. Image scanning must be integrated into the application lifecycle. During the application lifecycle, the solution must expose the flaws as soon as possible. What should you set up?

Select one:

A. a task executed in the continuous integration pipeline and a scheduled task that analyzes the production container.

B. a task executed in the continuous integration pipeline and a scheduled task that analyzes the image registry

C. manual tasks performed during the planning phase and the deployment phase

D. a task executed in the continuous deployment pipeline and a scheduled task against a running production container.

Here goes the Quiz

14 For monitoring, you use Azure SQL Database Intelligent Insights and Azure Application Insights. Ad-hoc Queries must be written against the monitoring data. What is the best query language to use?

Select one:

A. PL/pgSQL

B. Transact-SQL

C. PL/SQL

D. Azure Log Analytics

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15 You must propose a Docker container build strategy that satisfies the following criteria.
¡E Minimizes image sues
¡E Minimizes the security surface area of the final image What should you include m the recommendation?

Select one:

A. PowerShell Desired State Configuration (DSC)

B. multi-stage builds

C. single-stage builds

D. Docker Swarm

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16 The company's code quality is a continuing issue. Because of increased time constraint on the development team, the code quality has recently decreased. Static code analysis must be implemented. Static code analysis should be used at which phase?

Select one:

A. integration testing

B. staging

C. production release

D. build

Here goes the Quiz

17 Your organisation intends to develop software in an agile manner. You must recommend an application that will allow members of the development team who operate in different parts of the world to communicate with one another. The following requirements must be met by the applications:

„hProvide the ability to isolate the members of different project teams into separate communication channels and to keep a history of the chats within those channels.

„hBe available on Windows 10, Mac OS, iOS, and Android operating systems.

„hProvide the ability to add external contractors and suppliers to projects.

„hIntegrate directly with Azure DevOps. What should you recommend?

Select one:

A. Microsoft Project

B. Microsoft Lync

C. Microsoft Teams

D. Bamboo17

18 Your company has an Azure DevOps project.When there are numerous builds awaiting deployment, you must guarantee that only the most recent build is delivered. What are the options?

Select one:

A. pull request triggers

B. deployment queue settings

C. release gates

D. deployment conditions

Here goes the Quiz

(19) In Azure Automation State Configuration, you add the virtual machines as managed nodes. You must set up the machine in Group7. So, what are your options?

Select one:

A. Modify the RefreshMode property of the Local Configuration Manager (LCM).

B. Run the Register-AzureRmAutomationDscNode Azure Powershell cmdlet.

C. Modify the ConfigurationMode property of the Local Configuration Manager (LCM).

D. Install PowerShell Core.

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(20) A multi-tier application is deployed using an Azure Resource Manager template. You must restrict the user who conducts the deployment from seeing the application's account credentials and connection strings. What are the options?

Select one:

A. a Web.config file

B. Azure Key Vault

C. an Azure Resource Manager parameter file

D. an Appsettings.json files

Check out the answers below:

#	Answer	#	Answer
1	B	2	C
3	B	4	A
5	D	6	C
7	A	8	C
9	D	10	B
11	B	12	A
13	B	14	D
15	B	16	C
17	C	18	B
19	B	20	B

Disclaimer: These questions are NOT appearing in the certification exam. CloudThat does not have any official tie-up with Microsoft regarding the certification or the kind of questions asked. These are the best guesses for the kind of questions to expect with Microsoft in general and with the examination.

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About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Founded by Bhavesh Goswami, an ex-Amazonian with more than 10 years of experience in Cloud computing space, CloudThat has been empowering tech professionals with best-in-class training and consulting services.

Since, our inception in 2012, we have trained over 350K IT professionals from Fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, Artificial Intelligence, Machine Learning, Google Cloud, IoT, OpenStack, OpenShift, DevOps, MongoDB, Big Data and more. We have global presence with offices in Bengaluru, Mumbai, UK, and the USA.

Over the years, CloudThat has proven its excellence in the field and has recently been recognized as the winner of Microsoft 2020 Global Partner of the Year Finalist award. With expertise in major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Advanced Consulting Partner, Google Cloud Platform Partner, and Databricks Partner.
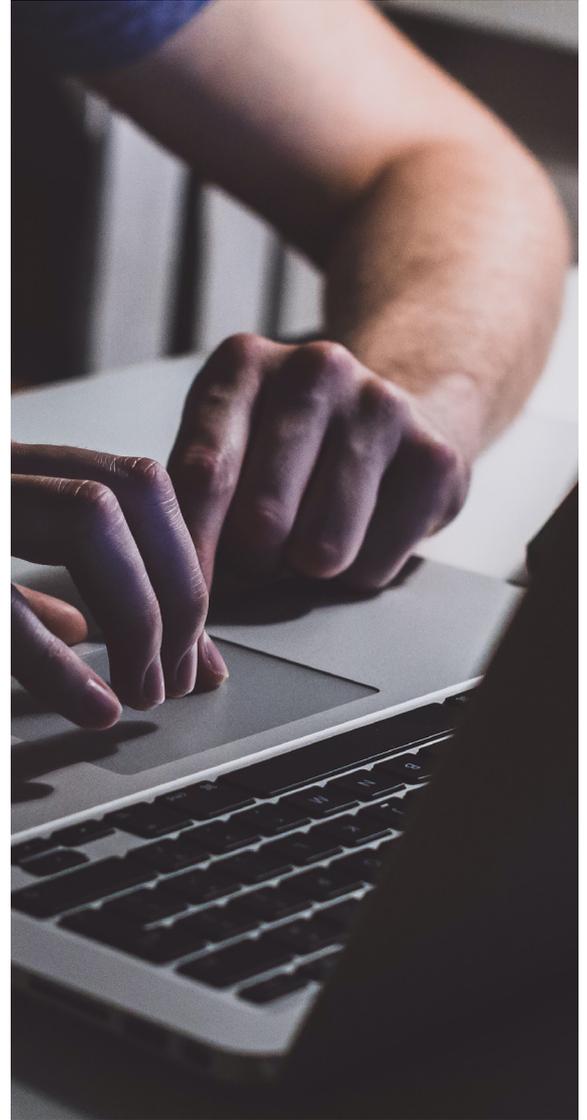
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We have attended to the training and consulting needs of more than 100 clients.

We offer 200+ cloud certifications in emerging technologies.

Our training modules are equipped with 50%-60% hands-on labs sessions.

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