



AZ-400^{Q&As}

Designing and Implementing Microsoft DevOps Solutions

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QUESTION 1

You use GitHub for source control of .NET applications.

You need to deploy a documentation solution that meets the following requirements:

Documents will be written in Markdown as developers make code changes.

Changes to the documents will trigger the recompilation of a static website.

Users will access the documents from the static website.

Documents will be stored in a GitHub repository.

Which two tools can you use to compile the website? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

A. Word Press

B. Jekyll

C. DocFX

D. caret

E. Medium

Correct Answer: AB

QUESTION 2

Your company plans to use an agile approach to software development.

You need to recommend an application to provide communication between members of the development team who work in locations around the world. The applications must meet the following requirements:

1.

Provide 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.

2.

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

3.

Provide the ability to add external contractors and suppliers to projects.

4.



Integrate directly with Azure DevOps. What should you recommend?

- A. Microsoft Project
- B. Bamboo
- C. Octopus
- D. Slack

Correct Answer: D

Slack is a popular team collaboration service that helps teams be more productive by keeping all communications in one place and easily searchable from virtually anywhere. All your messages, your files, and everything from Twitter,

Dropbox, Google Docs, Azure DevOps, and more all together. Slack also has fully native apps for iOS and Android to give you the full functionality of Slack wherever you go.

Integrated with Azure DevOps

This integration keeps your team informed of activity happening in its Azure DevOps projects. With this integration, code check-ins, pull requests, work item updates, and build events show up directly in your team's Slack channel.

Note: Microsoft Teams would also be a correct answer, but it is not an option here.

References:

<https://marketplace.visualstudio.com/items?itemName=ms-vsts.vss-services-slack>

QUESTION 3

HOTSPOT

You are designing YAML-based Azure pipelines for the apps shown in the following table.

Name	Platform	Release requirements
App1	Azure virtual machine	Replace a fixed set of existing instances of the previous version of App1 with instances of the new version of the app in each iteration.
App2	Azure Kubernetes Service (AKS) cluster	Roll out a limited deployment of the new version of App2 to validate the functionality of the app. Once testing is successful, expand the rollout.

You need to configure the YAML strategy value for each app. The solution must minimize app downtime. Which value should you configure for each app? To answer, select the appropriate options in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

App1:

	▼
canary	
rolling	
runonce	

App2:

	▼
canary	
rolling	
runonce	

Correct Answer:

Answer Area

App1:

	▼
canary	
rolling	
runonce	

App2:

	▼
canary	
rolling	
runonce	



QUESTION 4

SIMULATION

You need to configure a virtual machine named VM1 to securely access stored secrets in an Azure Key Vault named az400-11566895-kv.

To complete this task, sign in to the Microsoft Azure portal.

Correct Answer: See solution below.

QUESTION 5

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You use Azure Pipelines to build and test a React js application.

You have a pipeline that has a single job.

You discover that installing JavaScript packages from npm takes approximately five minutes each time you run the pipeline.

You need to recommend a solution to reduce the pipeline execution time.

Solution: You recommend enabling parallel jobs for the pipeline.

Does this meet the goal?

A. Yes

B. No

Correct Answer: B

Instead enable pipeline caching.

Note:

npm-cache is a command line utility that caches dependencies installed via npm, bower, jspm and composer.

It is useful for build processes that run [npm|bower|composer|jspm] install every time as part of their build process. Since dependencies don't change often, this often means slower build times. npm-cache helps alleviate this problem by

caching previously installed dependencies on the build machine.

Reference:

<https://www.npmjs.com/package/npm-cache>



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