

PART 3

[8] Managing Cloud Automation and Orchestration

[9] Understanding Cloud Security Concepts

[10] Managing Cloud Security

Reference
Official CompTIA Cloud+ Student Guide CV0-003-166-239.pdf

Example of Dockerfile for Laravel setup
Dockerfile

https://quizlet.com/620422350/lesson-8-managing-cloud-automation-and-orchestration-flash-cards/

BREAK

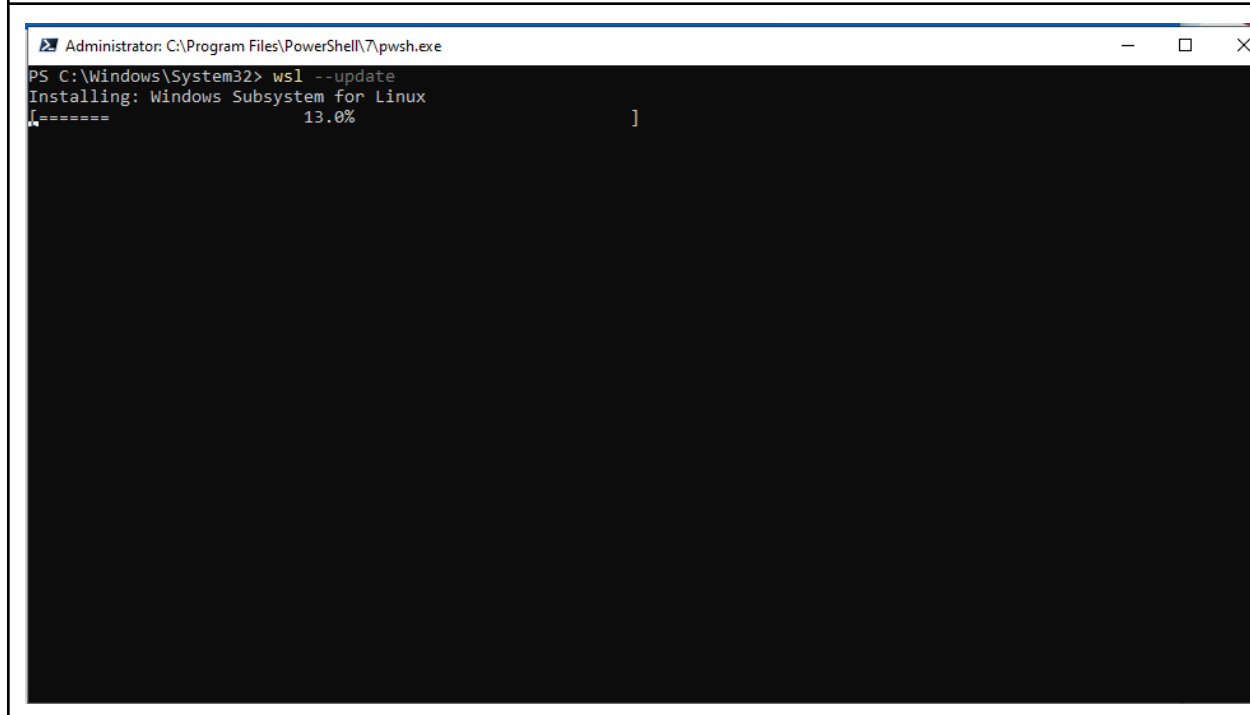
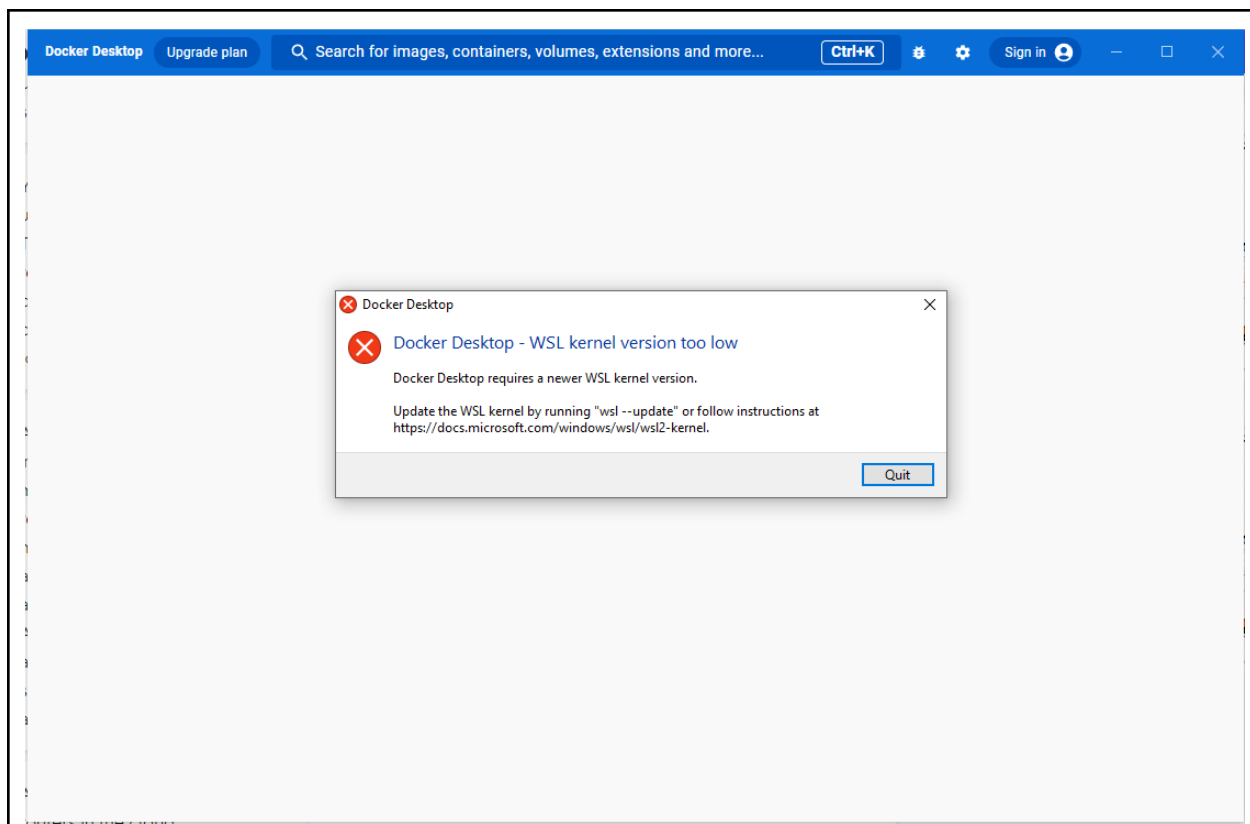
Problem:
Automation tasks fail with
authentication errors

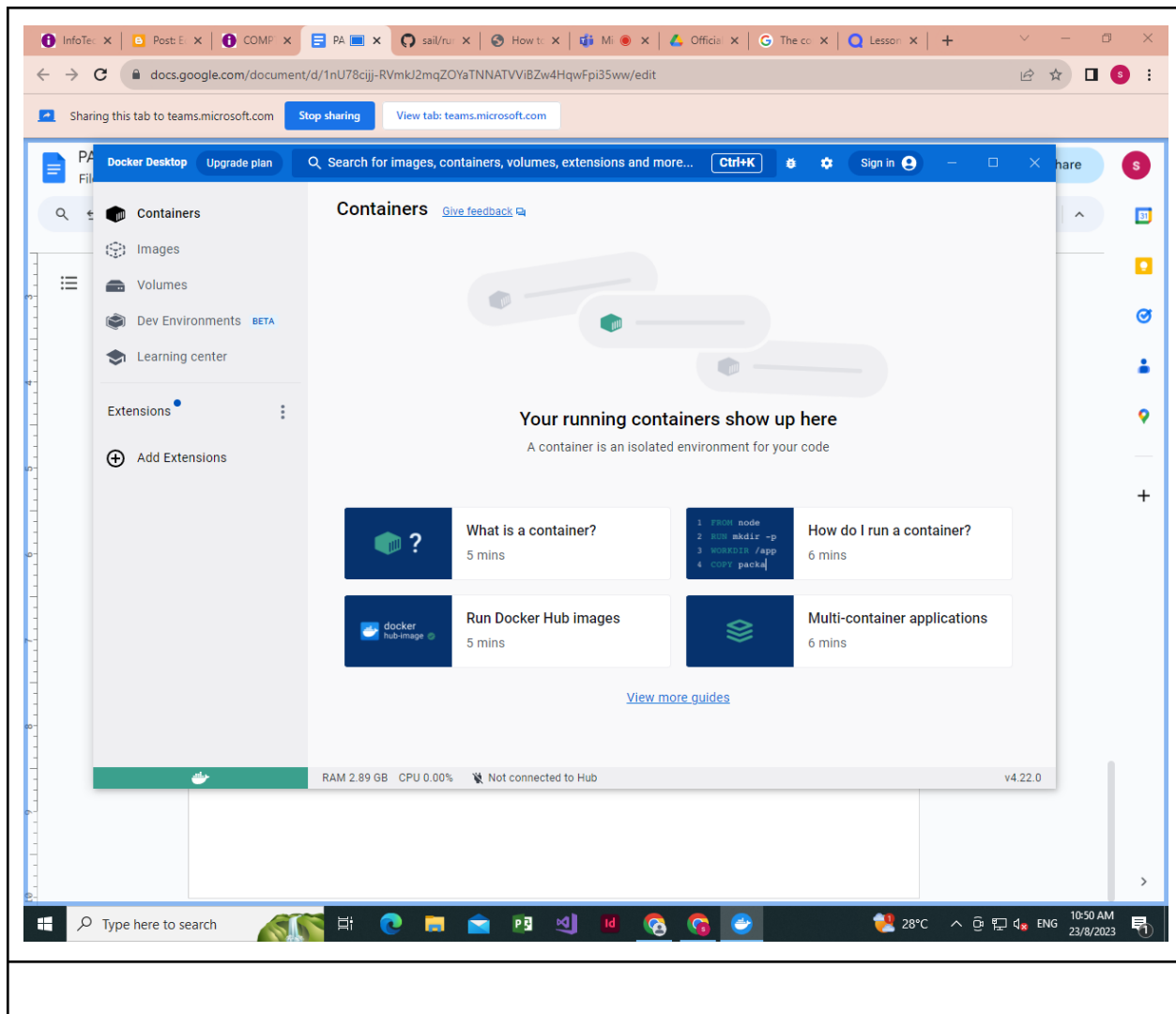
Check:

- SSH key identities match (user associated with the key has changed)
- SSH keys changed (local private key no longer works with the remote public key)
- Proper service account mapping for the service

Administrator: PowerShell 7 (x64)

```
PowerShell 7.3.6
PS C:\Users\iworld40> ssh
usage: ssh [-46AaCfGgKkMnqsTtVvXxYy] [-B bind_interface]
          [-b bind_address] [-c cipher_spec] [-D [bind_address:]port]
          [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
          [-i identity_file] [-J [user@]host[:port]] [-L address]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-Q query_option] [-R address] [-S ctl_path] [-W host:port]
          [-w local_tun[:remote_tun]] destination [command]
PS C:\Users\iworld40> ssh demo-user@demo.wftpserver.com:2222 -p demo-user
Bad port 'demo-user'
PS C:\Users\iworld40> ssh demo-user@demo.wftpserver.com -p demo-user
Bad port 'demo-user'
PS C:\Users\iworld40> ssh demo-user@demo.wftpserver.com
The authenticity of host 'demo.wftpserver.com (108.181.19.185)' can't be established.
ECDSA key fingerprint is SHA256:hWevYQB6QyvN6zYJMv/XUBx3/dODlf6lkQDY9VszLNc.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'demo.wftpserver.com,108.181.19.185' (ECDSA) to the list of known hosts.
demo-user@demo.wftpserver.com's password:
Permission denied, please try again.
demo-user@demo.wftpserver.com's password:
```





Which Comes First, Authentication or Authorization?

Authentication and authorization both rely on identity. As you cannot authorize a user or service before identifying them, authentication always comes before authorization.

A digital certificate is a way to confirm the identity of a public key owner.

This certificate is used by the server to prove its identity to client computers and other servers during the authentication process.

An employee has lost their badge, which contains a smart card used for authentication. What is the first task you should do in the PKI infrastructure in this situation?

The best first response to the loss or compromise of a private key is to revoke the certificate and use the CRL or the online certificate status protocol (OCSP) to inform users that the certificate is no longer valid. The entity that issues certificates bears the responsibility to maintain a list of certificates that have been revoked and to propagate that list to users.

AWS IAM Identity Center (Successor to AWS Single Sign-On)

<https://aws.amazon.com/iam/identity-center/>

<https://quizlet.com/348052279/comptia-cloud-practice-questions-flash-cards/>

Your organization has a written security baseline that needs to be applied to several servers. The baseline may change over time, so the process should be repeatable. One administrator suggests applying the

baseline settings manually. Suggest a more efficient and consistent approach.

openssl

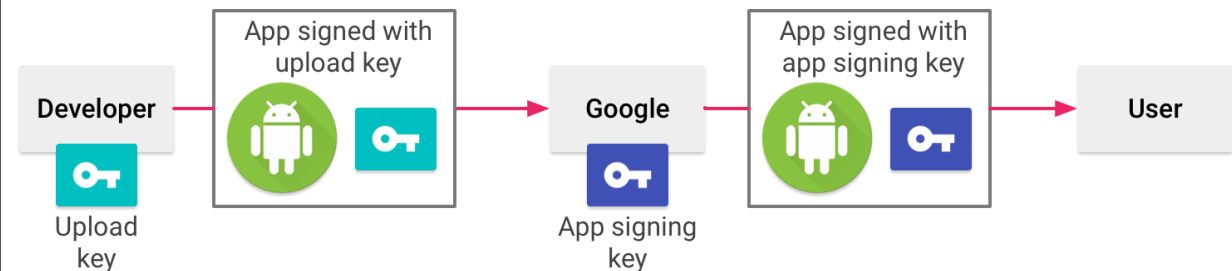
<https://www.openssl.org/>

How to use openssl

<https://www.ssldragon.com/blog/what-is-openssl/>

Example of security key

<https://support.google.com/googleplay/android-developer/answer/9842756?hl=en>



<https://quizlet.com/348052279/comptia-cloud-practice-questions-flash-cards/>

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Google Cloud Platform
https://cloud.google.com/free
Google Cloud platform at the last Google Cloud platform is one of the week for the developers developers to develop and published their applications for the internet users
Google cloud platform adalah satu cara bagi pembangunan perisian untuk memuat naik dan berkongsi aplikasi Mereka dengan pengguna internet yang lain jadi kalau panggil

Testing Firebase Realtime Data Exchange
https://codepen.io/RaziCommy/pen/aYzWQZ

Lesson 10 quiz
https://quizlet.com/699551433/comptia-lesson10-managing-cloud-security-flash-cards/

Practice test
https://pts.measureup.com/web/PBS/LMS/index.php?role=0&course=at_test202110200857021634720222

Please, enter your email address to launch the test:

E-mail

smartcomputing123@gn

Data protection information / Data Controller: MeasureUp, INC. - Purpose: carry out a product demonstration. - Rights: You have the right to access, rectify, oppose and delete your data, by sending a communication to our DPO at dpo@mediainteractiva.com - More information: in our [privacy policy](#) .

☒ If you click on "Send" button, you agree to the [Privacy Policy](#) and [Terms of Use](#).

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Please select Test Mode



CERTIFICATION
Just like the actual
Certification exam.



PRACTICE
Request the correct answers
and change the testing
environment.

English

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Back

Certification Mode Info

Tests administered in Certification Mode closely simulate the actual testing environment you will encounter when taking a certification exam. These tests do not allow you to request the answer(s) and/or explanation to each question until after the test.

Note: Unlike tests taken in other modes, tests taken in Certification Mode do not allow you to reconfigure the test environment mid-test. Therefore, the Options button will not be displayed.

To take the test in Certification Mode, read the following instructions:

- o This test will include 5 questions, which you must complete in 90 minutes.
- o Since this is a certification simulation, you cannot pause or stop the timer.
- o You may, however, end the test early.
- o Your 5 question test will be selected from a 5 question bank.

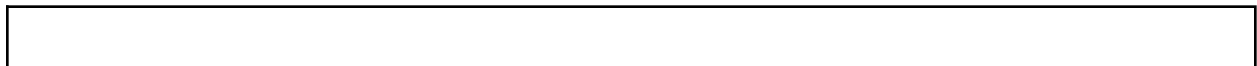
Start

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Test Information

Welcome to the CompTIA test: Cloud +

- The test has 5 questions, 0 Case Studies, and you have 90 minutes to complete it.
- To pass the test, you must answer at least the 80% of the questions correctly.

Please, read the following instructions carefully.

- The time available for the test will start when the Begin Test button, on the last page of this tutorial, is clicked.
- If the browser is closed or the Exit button is clicked, the test will close and the results will **NOT** be saved.
- To exit the Full Screen view, press F11 or the ESC key on your keyboard. To go back to Full Screen view, press F11.
- Questions can be completed by following different methods. If none of them were available, any of the other possible methods should be followed.
- The obtained test results do **NOT** take into account the amount of time invested or the way in which each question has been completed. Only the final result matters.
- The tasks described in the question must be completed sequentially, by following the order established in the question.
- The transition time between questions is **NOT** counted against the total test time.

Next >

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Test Interface

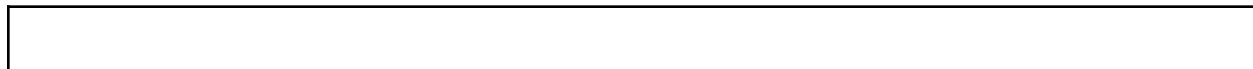
The following controls will be available during the test:

Control	Definition
	The Timer displays the remaining test time.
	The Counter displays the question in which you are, and the total number of questions of the test. You may also jump to any question by writing the number, or see the Question List by clicking.
	The Next button takes you to the next question, saving your progress.
	The Previous button takes you to the previous question, saving your progress.
	Questions can be marked and reviewed at the end of the test.
	The Menu contains some of the buttons explained below.
	Click this button if you want to exit the test. NOTE: If you click this button, answers will be lost and the results will NOT be saved.
	When you click this button, you will finish the test and go to the Score Report.
	Decrease or increase the font size.
	Select the language settings for the application.

Previous Next

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Question List and Test Final Report

Before completing the test, remember you will be able to review the Question List by clicking on the Counter. This list will show if you did or did **NOT** answer each question, or if you marked any of them for further review. The following icons will show the status mentioned above:

Control	Definition
●	The question has been answered or any steps have been performed. <u>NOTE:</u> This information is NOT related to the score. Whenever you click the Next button, the question will be saved as Answered.
○	The question has NOT been answered nor have any step been performed. The question has been skipped during the completion of the test.
☆	The question has been marked for review.

You can review a question as many times as you consider necessary by clicking on its stem or number in the Question List. Once you have finished the review, click on the Finish Test button to exit the test and obtain the final report with the results.

Previous

Begin test

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Reset

An organization plans to migrate its ecommerce database to a SaaS platform. Which two items will MOST likely impact budgetary requirements? (Choose TWO.)

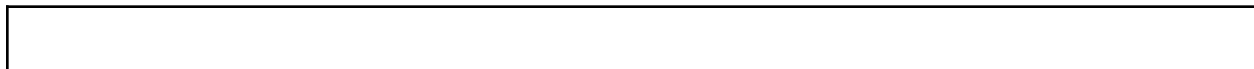
Choose the correct answers

- ☐ Auto-scaling settings
- ☐ Database licenses
- ☒ Database encryption
- ☐ Data storage region
- ☐ Instance type

Next >

Question 1 of 5 89:46

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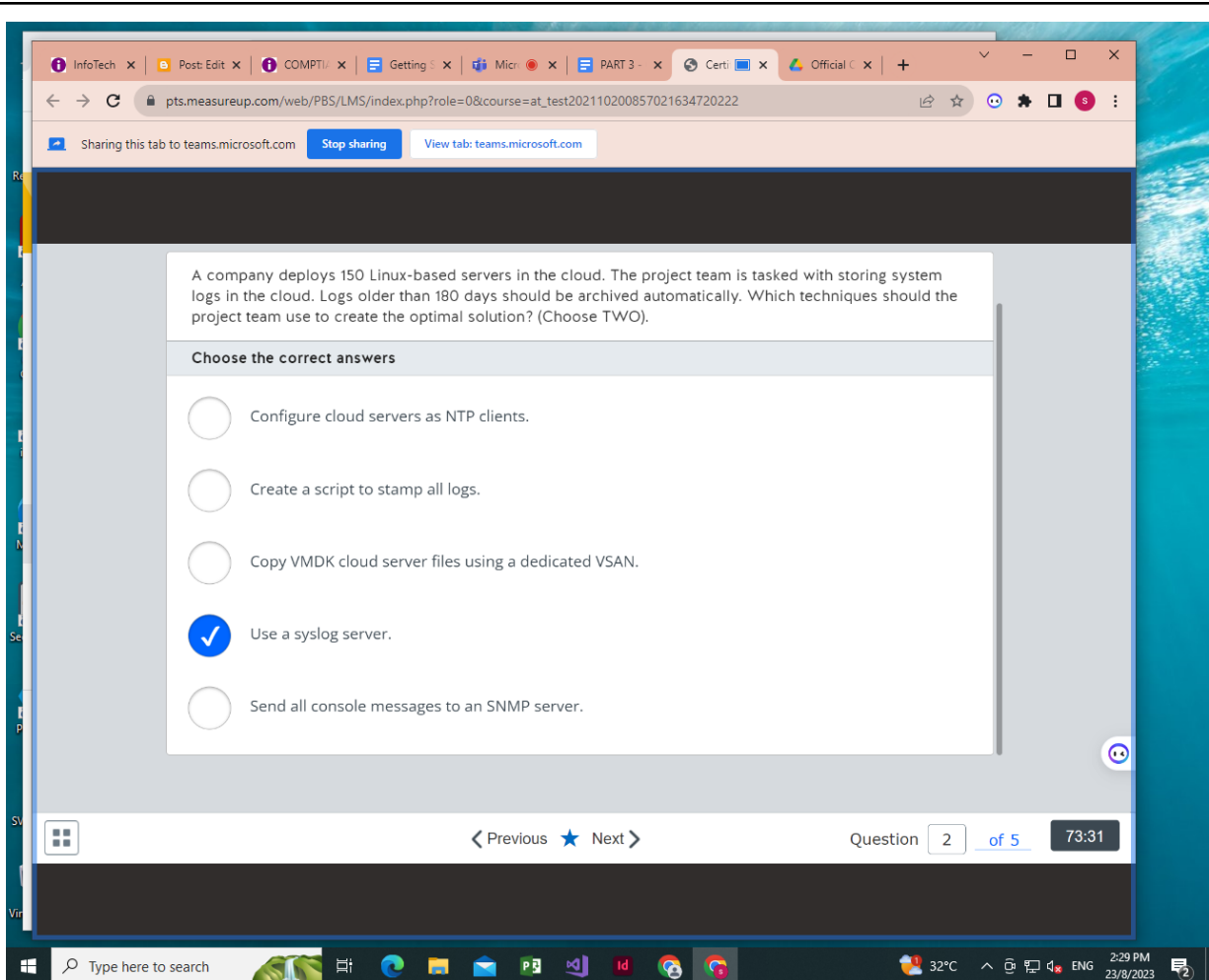
An organization plans to migrate its ecommerce database to a SaaS platform. Which two items will MOST likely impact budgetary requirements? (Choose TWO.)

Choose the correct answers

- ☐ Auto-scaling settings
- ☐ Database encryption
- ☒ Instance type
- ☐ IP address rental
- ☐ Database licenses
- ☒ Data storage region

★ Next > Question 1 of 5 73:52

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A company deploys 150 Linux-based servers in the cloud. The project team is tasked with storing system logs in the cloud. Logs older than 180 days should be archived automatically. Which techniques should the project team use to create the optimal solution? (Choose TWO).

The project team should deploy a centralized syslog server and configure the cloud servers as Network Time Protocol (NTP) clients. A centralized syslog server allows the company to collect, analyze, and archive system logs and events. NTP ensures correct time and date stamps for all logs.



<https://quizlet.com/713317630/operations-cloud-flash-cards/>

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Reset

An admin plans to perform a cloud-to-cloud migration. What is the MOST important task the admin will likely perform as part of this migration?

Choose the correct answer

- ☐ Ensuring that both platforms run the same hypervisor
- ☒ Creating peering relationships between VPCs
- ☐ Verifying compatibility between storage platforms
- ☐ Extending the existing VLAN using VXLAN technology

Previous ☆ Next

Question 3 of 5 68:15

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Reset

When returning from a break, a user reports that they could no longer access the organization's cloud-based servers from their VDI instance. Which troubleshooting action should a support engineer perform FIRST?

Choose the correct answer

- ☒ Determine if the user recently made changes.
- ☐ Clear the DNS cache on the user's VDI instance.
- ☐ Create a snapshot of the user's VDI instance.
- ☐ Use ping to test connectivity to a cloud server.

< Previous ☆ Next >

Question 4 of 5 71:15

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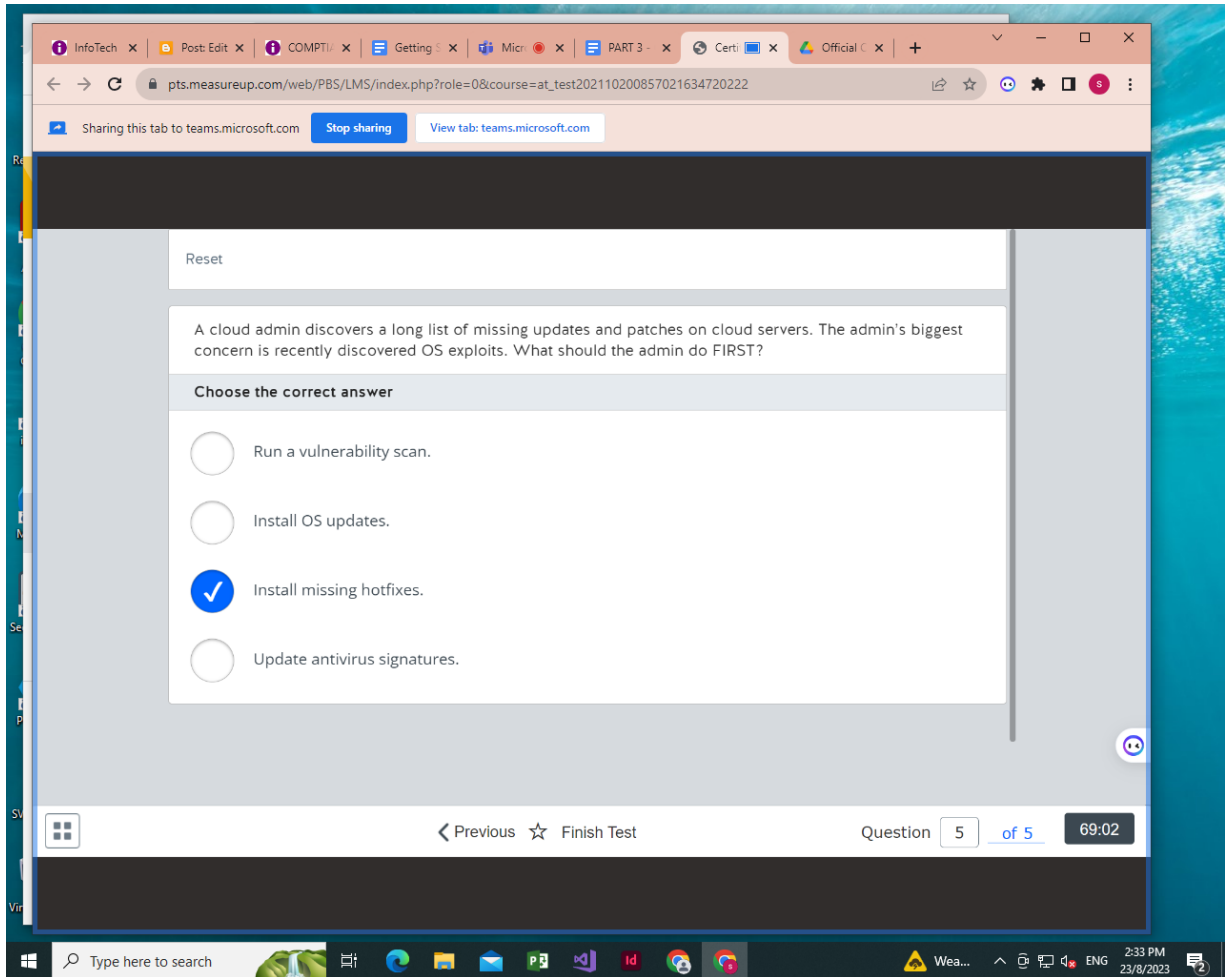
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When returning from a break, a user reports that they could no longer access the organization's cloud-based servers from their VDI instance. Which troubleshooting action should a support engineer perform FIRST?

The first troubleshooting action the support engineer should perform is to determine if the user recently made changes. Step one of the troubleshooting methodology is to identify the problem. This involves gathering information before performing any testing or making changes.



<https://quizlet.com/713327704/troubleshooting-cloud-flash-cards/>



A cloud admin discovers a long list of missing updates and patches on cloud servers. The admin's biggest concern is recently discovered OS exploits. What should the admin do FIRST?

The admin should first install missing hotfixes first. A hotfix is a critical fix released by a vendor. Hotfixes usually address severe bugs that affect a system's stability or security. Hotfixes should be prioritized over other system updates, patches, or service packs.



<https://quizlet.com/713296733/security-cloud-exam-flash-cards/>

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Test Score Report

 Cloud +

 Demo User

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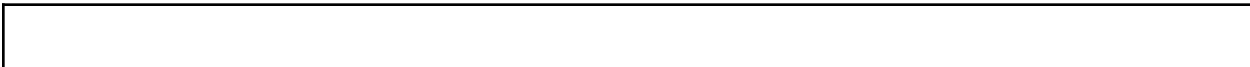
Your Score: 60%
Passing Score: 80%

Objectives

Cloud Architecture and Design	100 %	
Security	100 %	
Deployment	0 %	
Operations and Support	0 %	
Troubleshooting	100 %	

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Sort by Filter Question

Unanswered Pass Fail

Number All

Review Questions

#	Stem	Score
1	An organization plans to migrate its ecommerce database to a SaaS platform. Which two items will MOST likely impact budgetary requirements? (Choose TW...[+]	Pass
2	A company deploys 150 Linux-based servers in the cloud. The project team is tasked with storing system logs in the cloud. Logs older than 180 days sho...[+]	Fail
3	An admin plans to perform a cloud-to-cloud migration. What is the MOST important task the admin will likely perform as part of this migration?	Fail
4	When returning from a break, a user reports that they could no longer access the organization's cloud-based servers from their VDI instance. Which tro...[+]	Pass
5	A cloud admin discovers a long list of missing updates and patches on cloud servers. The admin's biggest concern is recently discovered OS exploits. W...[+]	Pass

Type here to search

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