Talpal

Senior DevOps Engineer

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Assessment summary :

Completed on : Jan 31　　**Questions answered :** 15/15　　**Total score:** 88%
Time taken : 5 minutes　　**Correct answers :** 13/15　　**Good Candidate**
Malpractice detected : Yes

Assessment breakdown :

AWS 67%

Docker 100%

Kubernetes 100%

Leadership skills 67%

Organizational skills 100%

Q1: Organizational skills

Score : 5/5
Proficiency : Expert
Question type : Functional knowledge

Description :
What is the purpose of a Service Level Agreement (SLA) in IT service management?

1. To define the scope of a project.
2. To establish expectations and responsibilities between a service provider and a customer. ✔
3. To track the availability of IT systems.
4. To ensure compliance with industry regulations.

Right Answer : Option B
Chosen Answer : Option B

Q2: Docker

Score : 10/10
Proficiency : Expert
Question type : Functional Knowledge

Description :
Which is the following is correct for Hypervisor:
a) A hypervisor is also known as a virtual machine monitor or VMM.

b) It is software that enables users to create a virtual environment in which the guest virtual

1. A and B
2. B and C
3. B only
4. A,B and C ✓

Right Answer : Option D
Chosen Answer : Option D

Q3: AWS

Score : 5/5
Proficiency : Expert
Question type : Coding test

Description :
You are creating a DynamoDB table to store all movies that have been released since 1938.Your application will allow users to search by movie title and see the details of that film.Given the sample below showing the movie data that you will be importing. what is the best set of keys to apply to this table?

```
{ "title" :"The Avengers",
"year" : 2012 ,
"'cast " ["Mark  Ruffalo" ,  "Robert  Dowrey ,   Jr." ] , "genres"   :   [ "Action"]
```

1. The primary key should be a partition key of the title field.
2. The primary key should be the title field and the partition key should be the genres field.
3. The primary key should be acomposite key comprised of a partition keyon the title field and a sort key on the year field.
4. The primary key should be created as a completely unique value, such a sequential numerical l ist of movie IDs.The partition key should be title field for fast lookup. ✓

Right Answer : Option D
Chosen Answer : Option D

Q4: Docker

Score : 5/5
Proficiency : Expert
Question type : Functional Knowledge

Description :
How does communication happen between Docker client and Docker daemon?

1. Combination of TCP
2. Rest API
3. Socket.IO.
4. All of them ✓

Right Answer : Option D
Chosen Answer : Option D

Q5: Kubernetes

Score : 5/5
Proficiency : Expert
Question type : Scenario based

Description :
You have a Kubernetes cluster running multiple microservices. One of the microservices experiences a sudden surge in traffic, causing increased load on the cluster. As a Kubernetes administrator, what would you do to handle this situation?

1. Scale the microservice horizontally by increasing the number of replicas. ✅
2. Manually allocate more CPU and memory resources to the microservice pods.
3. Restart the entire Kubernetes cluster to optimize resource allocation.
4. Upgrade Kubernetes to the latest version to handle the increased load.

Right Answer : Option A
Chosen Answer : Option A

Q6: Kubernetes

Score : 5/5
Proficiency : Demonstrating
Question type : Functional knowledge

Description :
What is the purpose of the Kubernetes component known as kube-scheduler?

1. To monitor cluster events and perform corrective actions
2. To expose the Kubernetes API server externally
3. To schedule pods to run on suitable nodes in the cluster ✅
4. To manage persistent storage for pods

Right Answer : Option C
Chosen Answer : Option C

Q7: AWS

Score : 0/5
Proficiency : Expert
Question type : Scenerio based

Description :
A user has created an Auto Scaling group with default configurations from CLI. The user wants to setup the CloudWatch alarm on the EC2 instances, which are launched by the Auto Scaling group. The user has setup an alarm to monitor the CPU utilization every minute. Which of the below mentioned statements is true?

1. It will fetch the data at every minute but the four data points [corresponding to 4 minutes] will not have value since the EC2 basic monitoring metrics are collected every five minutes ❌
2. It will fetch the data at every minute as detailed monitoring on EC2 will be enabled by the default launch configuration of Auto Scaling ✅
3. The alarm creation will fail since the user has not enabled detailed monitoring on the EC2 instances
4. The user has to first enable detailed monitoring on the EC2 instances to support alarm monitoring at every minute

Right Answer : Option B
Chosen Answer : Option A

Q8: Kubernetes

Score : 5/5
Proficiency : Demonstrating
Question type : Functional knowledge

Description :
What does the term "Headless Service" mean in the context of Kubernetes?

1. A service without any endpoints ✔
2. A service with multiple replicas
3. A service with a public IP address
4. A service exposing HTTP endpoints

Right Answer : Option A
Chosen Answer : Option A

Q9: AWS

Score : 5/5
Proficiency : Expert
Question type : Scenerio based

Description :
A user has launched an EC2 instance store backed instance in the US-East-1a zone. The user created AMI #1 and copied it to the Europe region. After that, the user made a few updates to the application running in the US-East-1a zone. The user makes an AMI#2 after the changes. If the user launches a new instance in Europe from the AMI #1 copy, which of the below mentioned statements is true?

1. The new instance will have the changes made after the AMI copy as AWS just copies the reference of the original AMI during the copying. Thus, the copied AMI will have all the updated data
2. The new instance will have the changes made after the AMI copy since AWS keeps updating the AMI
3. It is not possible to copy the instance store backed AMI from one region to another
4. The new instance in the EU region will not have the changes made after the AMI copy ✔

Right Answer : Option D
Chosen Answer : Option D

Q10: Leadership skills

Score : 0/5
Proficiency : Expert
Question type : Functional knowledge

Description :
What is the role of a scrum master in Agile development?

1. To write code and develop software features.
2. To facilitate the scrum process and remove obstacles for the development team. ✔
3. To manage the project budget and resources. ✘

4. To define the project scope and requirements.

Right Answer : Option B
Chosen Answer : Option C

Q11: Organizational skills

Score : 5/5
Proficiency : Expert
Question type : Functional knowledge

Description :
What is the role of a Configuration Management Database (CMDB) in ITIL?

1. To store information about hardware and software assets. ✓
2. To manage the release of software updates.
3. To monitor the performance of IT systems.
4. To automate the deployment of infrastructure.

Right Answer : Option A
Chosen Answer : Option A

Q12: Leadership skills

Score : 5/5
Proficiency : Expert
Question type : Scenerio based

Description :
Which of the following leadership qualities is most crucial for navigating complex and dynamic organizational environments at an expert level?

1. A leader focuses on people and inspires them, while a manager focuses on tasks and processes. ✓
2. A leader has formal authority, while a manager has informal authority.
3. A leader is responsible for strategic planning, while a manager is responsible for operational execution.
4. A leader is accountable for results, while a manager is accountable for team morale.

Right Answer : Option A
Chosen Answer : Option A

Q13: Organizational skills

Score : 5/5
Proficiency : Expert
Question type : Functional knowledge

Description :
What is the purpose of a Kanban board in Agile project management?

1. To track the progress of tasks in a project. ✓
2. To assign tasks to team members.
3. To estimate the effort required for each task.
4. To prioritize tasks based on their importance.

Right Answer : Option A
Chosen Answer : Option A

Q14: Leadership skills

Score : 5/5
Proficiency : Expert
Question type : Functional knowledge

Description :
How would you handle a conflict within your team?

1. Ignore the conflict and hope it resolves itself.
2. Take sides and support one team member over the other.
3. Facilitate a discussion to understand the root cause of the conflict and find a resolution. ✔
4. Escalate the conflict to upper management for resolution.

Right Answer : Option C
Chosen Answer : Option C

Q15: Docker

Score : 5/5
Proficiency : Expert
Question type : Functional Knowledge

Description :
What if you attempt to perform a Docker build based on an image that has not been previously referenced on your machine?

1. Docker will return a 408: image not found message.
2. Docker will return a 404: file not found message.
3. Docker will pull the image from GitHub.
4. Docker will pull the image from Docker Hub. ✔

Right Answer : Option D
Chosen Answer : Option D