

Score: 80%
8/10 points

CCP-test-1-p2

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1. Which AWS service automates infrastructure provisioning and administrative tasks for an analytical data warehouse?

☒ **Amazon Redshift**

☐ Amazon DynamoDB

☐ Amazon ElastiCache

☐ Amazon Aurora

1/1 point

2. An administrator would like to automate the creation of new AWS accounts for the research and development department of the organisation where new workloads need to be spun-up promptly and categorized into groups. How can this be achieved efficiently?

☒ Use of AWS CloudFormation would be sufficient

☐ **Use of AWS Organisations**

☐ Using the AWS API to programmatically create each account via command line interface

☐ AWS Identity Access Management (IAM)

0/1 point

3. An organisation utilizes a software suite that consists of a multitude of underlying microservices hosted on the cloud. The application is frequently giving runtime errors. Which service will help in the troubleshooting process?

☐ AWS CloudTrail

☐ AWS CloudWatch

☒ **AWS X-Ray**

☐ Amazon Elasticsearch Service

1/1 point

4. An administrator would like to efficiently automate the replication and deployment of a specific software configuration existent on one EC2 instance onto four hundred others. Which AWS service is BEST suited for this implementation?

☒ **AWS OpsWorks**

☐ AWS Beanstalk

☐ AWS Launch Configuration

☐ AWS Auto-scaling

1/1 point

5. The main benefit of decoupling an application is to:

☐ Create a tightly integrated application

☒ **Reduce inter-dependencies so failures do not impact other components**

☐ Enable data synchronization across the web application layer

☐ Have the ability to execute automated bootstrapping actions

1/1 point

6. Which of the following is a benefit of running an application across two Availability Zones?

☐ Performance is improved over running in a single Availability Zone.

☒ **It is more secure than running in a single Availability Zone.**

☐ It significantly reduces the total cost of ownership versus running in a single Availability Zone.

☐ **It increases the availability of an application compared to running in a single Availability Zone.**

0/1 point

7. A cloud solutions architect needs to execute urgent mission-critical tasks on the AWS Management console but has left his Windows-based machine at home. What would be the most secure option to administer these tasks on the cloud infrastructure?

Windows-based machine at home. What would be the most secure option to administer these tasks on the cloud infrastructure, given that only Non-Graphical User Interface (non-GUI), Linux-based machines are currently available?

- ☐ Share the AWS Management Console credentials with the person at home over the phone to execute the tasks on his behalf
- ☐ Use third-party remote desktop software to access the Windows-based machine at home from the non-GUI workstations and administer the required tasks
- ☐ Use Secure Shell (SSH) to securely connect to the Windows-based machine from one of the non-GUI Linux-based machines and log onto the AWS Management console
- ☒ **Install and run AWS CLI on one of the non-GUI Linux-based machines, in a shell environment such as bash. The cloud solutions architect will be able to access ALL services just as they can also be accessed from a Windows-based machine**

1/1 point

8. According to the AWS, what is the benefit of Elasticity?

- ☐ Minimize storage requirements by reducing logging and auditing activities
- ☒ **Create systems that scale to the required capacity based on changes in demand**
- ☐ Enable AWS to automatically select the most cost-effective services
- ☐ Accelerate the design process because recovery from failure is automated, reducing the need for testing

1/1 point

9. Amazon Elastic Compute Cloud (Amazon EC2) Spot instances would be most appropriate for which of the following scenarios:

- ☐ Workloads that are only run in the morning and stopped at night
- ☒ **Workloads where the availability of the Amazon EC2 instances can be flexible**
- ☐ Workloads that need to run for long periods of time without interruption
- ☐ Workloads that are critical and need Amazon EC2 instances with termination protection

1/1 point

10. "S3 Intelligent-Tiering" object storage class delivers automatic cost savings by moving data between which of the two access tiers?

- ☐ Standard access and Frequent access
- ☒ **Frequent access and Infrequent access**
- ☐ Standard access and Infrequent access
- ☐ Standard access and One Zone-Infrequent access

1/1 point

Done



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