Practice Exam4

2019年2月26日 星期二 下午1:18

Which AWS service is primarily used for software version control?



Explanation

AWS CodeCommit is a fully-managed source control service that hosts secure Git-based repositiories. It makes it easy for teams to collaborate on code in a secure and highly scalable ecosystem

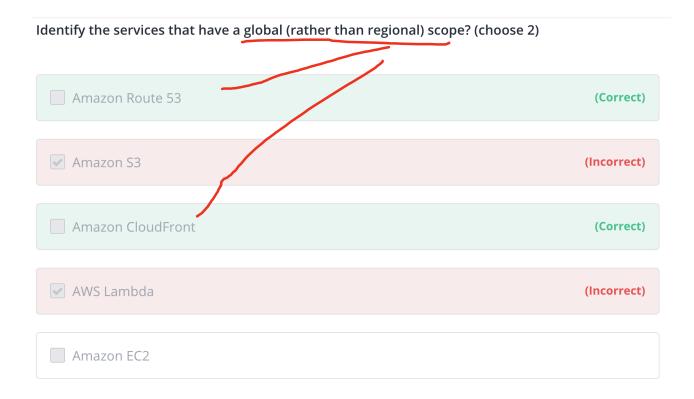
AWS CodeStar enables you to quickly develop, build, and deploy applications on AWS. AWS CodeStar provides a unified use interface, enabling you to easily manage your software development activities in one place

AWS Cloud9 is a cloud-based integrated development environment (IDE) that lets you write, run, and debug your code with just a browser

AWS CodeDeploy is a deployment service that automates application deployments to Amazon EC2 instances, on-premises instances, or serverless Lambda functions

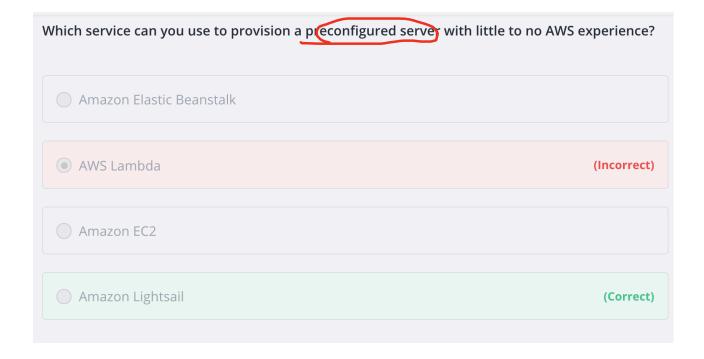
Which AWS service can you use to install a third-party database?				
Amazon RDS	(Incorrect)			
Amazon DynamoDB				
Amazon EC2	(Correct)			
Amazon EMR				
Explanation				

All of these services are managed services except for Amazon EC2. EC2 is the only service in the list upon which you can manually install the database software of your choice



Explanation

Amazon Route 53 and Amazon CloudFront have a global scope Amazon S3 uses a global namespace but buckets and objects are created within a region AWS Lambda is a regional service



Lightsail provides developers compute, storage, and networking capacity and capabilities to deploy and manage websites, web applications, and databases in the cloud

Lightsail provides preconfigured virtual private servers (instances) that include everything required to deploy and application or create a database

Deploying a server on Lightsail is extremely easy and does not require knowledge of how to configure VPCs, security groups, network ACLs etc.

AWS Elastic Beanstalk can be used to quickly deploy and manage applications in the AWS Cloud. It is considered a PaaS service However, you do still need to deploy within a VPC so more AWS expertise is required

Amazon EC2 also requires AWS expertise as it deploys within a VPC AWS Lambda provides serverless functions not preconfigured servers

Amazon Athena is an interactive query service that makes it easy to analyze data in Amazon S3 using standard SQL

Which items can be configured from within the VPC management console? (choose 2)

Subnets	(Co
Regions	
Load Balancing	
Auto Scaling	
✓ Security Groups	(Co

Explanation

Subnets and Security groups can be configured from within the VPC console Regions are not configured, resources within regions are configured Load balancing and auto scaling is configured from the EC2 console

Bucket names must be unique globally
Buckets are region-specific
Which AWS storage technology can be considered a "virtual hard disk in the cloud"?
Amazon Elastic File Storage (EFS) filesystem
Amazon Elastic Block Storage (EBS) volume

AWS are responsible for items such as the physical security of the DC, replacement of old disk drives, and patch management of the infrastructure

Customers are responsible for items such as configuring security groups, network ACLs, patching their operating systems and encrypting their data

Explanation

The 6 advantages of cloud are:

- 1 Trade capital expense for variable expense
- 2 Benefit from massive economies of scale
- 3 Stop guessing about capacity
- 4 Increase speed and agility
- 5 Stop spending money running and maintaining data centres
- 6 Go global in minutes

You do not gain greater control of the infrastructure layer as AWS largely control this, and though AWS is compliant with lots of security compliance programs, not all programs in all local countries will be included

An AWS managed VPN can be used to quickly connect from an office to an Amazon VPC Direct Connect provides high-bandwidth, low-latency connectivity but takes weeks to months to setup (and is much more expensive)

What is the scope of a VPC within a region?

109->VPC-AZ - data center

Spans all Availability Zones within the region

Explanation

A VPC spans all availability zones within a region

VPCs do not span regions, you create VPCs in each region

VPCs are not limited by subnets, subnets are created within AZs and you can have many subnets in an AZ

An AZ uses one or more data centers. AWS does not publicize the details

Amazon EBS	
Amazon CloudFormation	(Correct)
Amazon S3	
✓ Amazon SNS	(Incorrect)

Amazon VPC and CloudFormation are free of charge, however in the case of CloudFormation you pay for the resources it creates

All other listed services are chargeable

	EBS volumes must be in the same AZ as the instances they are attached to	(Correct)
	You can attach multiple EBS volumes to an instance	(Correct)
	You can attach an EBS volume to multiple instances	
	EBS volumes cannot be backed up	(Incorrect)
	Explanation EBS volumes must be in the same AZ as the instances they are attached to You can attach multiple EBS volumes to an instance Root EBS volumes are deleted on termination by default You cannot attach an EBS volume to multiple instances EBS volumes can be backed up by taking a snapshot	
Νh	at constraints apply to customers when performing penetration testing? (choose 2)	
	Permission is required for all penetration tests	(Correct)
	You can perform penetration testing on your own systems at any time without prior authorization	
	You must complete and submit the AWS Vulnerability / Penetration Testing Request Form to request authorization	(Correct)
Wh	nich feature can you use to grant read/write access to an Amazon S3 bucket?	

○ IAM Role	
○ IAM Policy	(Correct)
○ IAM Group	
IAM User	(Incorrect)

IAM Policies are documents that define permissions and can be applied to users, groups and roles IAM policies can be written to grant access to Amazon S3 buckets

IAM Roles are created and then "assumed" by trusted entities and define a set of permissions for making AWS service requests

IAM Groups are collections of users and have policies attached to them An IAM user is an entity that represents a person or service

AWS Organizations enables you to create groups of AWS accounts and then centrally manage policies across those accounts. AWS Organizations provides consolidated billing in both feature sets, which allows you set up a single payment method in the organization's master account and still receive an invoice for individual activity in each member account. Volume pricing discounts can be applied to resources

AWS Budgets gives you the ability to set custom budgets that alert you when your costs or usage exceed (or are forecasted to exceed) your budgeted amount

AWS Identity and Access Management (IAM) enables you to manage access to AWS services and resources securely

The AWS Cost Explorer is a free tool that allows you to view charts of your costs