# Q1) Which migration strategy involves changing how an application is architected and developed, typically by using cloud-native features?

Rehosting

**Refactoring**

Replatforming

Repurchasing

# Q2) An application developer wants to send and receive messages between distributed application components. Which service should they use?

AWS Snowball

Amazon ElastiCache

**Amazon Simple Queue Service (Amazon SQS)**

Amazon Route 53

**Q3) An application developer wants to store data in a key-value database. Which service should they use?**

Amazon Aurora

**Amazon DynamoDB**

Amazon DocumentDB

Amazon RDS

**Q4) Which AWS Trusted Advisor category includes checks for high-utilization EC2 instances?**

Security

**Performance**

Cost Optimization

Fault Tolerance

**Q5) Which tool provides the capability to visualize, understand, and manage AWS costs and usage over time?**

AWS Budgets

**AWS Cost Explorer**

AWS Artifact

AWS Pricing Calculator

**Q6) Which service builds the workflows that are required for human review of machine learning predictions?**

Amazon Aurora

Amazon Lex

**Amazon Augmented AI**

Amazon Textract

Amazon Augmented AI (Amazon A2I) provides built-in human review workflows for common machine learning use cases, such as content moderation and text extraction from documents. With Amazon A2I, a person can also create their own workflows for machine learning models built on Amazon SageMaker or any other tools.

**Q7) Which statement best describes an Availability Zone?**

A site that Amazon CloudFront uses to cache copies of content for faster delivery to users at any location

(Edge location.)

**A fully isolated portion of the AWS global infrastructure**

A separate geographical location with multiple locations that are isolated from each other (Region)

The server from which Amazon CloudFront gets files (origin)

**Q8) Which Amazon EC2 pricing option reduces costs when a business makes an hourly spend** **commitment to an instance family and Region for a 1-year or 3-year term?**

* **EC2 Instance Savings Plans**
* Spot Instances
* Dedicated Hosts
* Reserved Instances

**Q9) Which statement is TRUE for AWS Lambda?**

* To use AWS Lambda, businesses must configure the servers that run their code.
* Before using AWS Lambda, a business must prepay for their estimated compute time.
* **Businesses pay only for compute time while their code is running.**
* The first step in using AWS Lambda is provisioning a server.

**Q10) Which statement best describes AWS Marketplace?**

* An online tool that inspects an AWS environment and provides real-time guidance in accordance with AWS best practices
* A resource that can answer questions about best practices and assist with troubleshooting issues
* A resource that provides guidance, architectural reviews, and ongoing communication with companies as they plan, deploy, and optimize their applications
* **A digital catalog that includes thousands of software listings from independent software vendors**

**Q11) Which service runs containerized applications on AWS?**

Amazon SageMaker

**Amazon Elastic Kubernetes Service (Amazon EKS)**

Amazon Redshift

Amazon Aurora

**Q12) Which statement best describes Amazon GuardDuty?**

A service that helps protect applications against distributed denial-of-service (DDoS) attacks

**A service that provides intelligent threat detection for AWS infrastructure and resources**

A service that monitors network requests for web applications

A service that checks applications for security vulnerabilities and deviations from security best practices

**Q13) Which service provides the capability to quickly deploy and scale applications on AWS?**

AWS Snowball

**AWS Elastic Beanstalk**

Amazon CloudFront

AWS Outposts

**Q14) Which virtual private cloud (VPC) component controls inbound and outbound traffic for Amazon EC2 instances?**

* Network access control list
* Internet gateway
* **Security group**
* Subnet
* A security group is a virtual firewall that controls inbound and outbound traffic for an Amazon EC2 instance.
* A subnet is a section of a VPC in which a person can group resources based on security or operational needs.
* A network access control list (ACL) is a virtual firewall that controls inbound and outbound traffic at the subnet level.
* An internet gateway is a connection between a VPC and the internet. It allows public traffic from the internet to access a VPC.

**Q15) Which Support plans include access to all AWS Trusted Advisor checks? (Select TWO.)**

* **Enterprise**
* Basic
* **Business**
* Developer
* AWS Free Tier

**Q16) Which Perspective of the AWS Cloud Adoption Framework focuses on recovering IT workloads to meet the requirements of business stakeholders?**

* People Perspective
* Governance Perspective
* **Operations Perspective**
* Business Perspective

The Operations Perspective of the AWS Cloud Adoption Framework also includes principles for operating in the cloud by using agile best practices.

**Q17) In the S3 Intelligent-Tiering storage class, Amazon S3 moves objects between a frequent access tier and an infrequent access tier. Which storage classes are used for these tiers? (Select TWO.)**

* S3 Glacier Flexible Retrieval
* S3 One Zone-IA
* V S3 Standard-IA
* S3 Glacier Deep Archive
* V S3 Standard

**Q18) Which tool provides automation actions for AWS services and applications through scripts?**

* V AWS Command Line Interface
* Amazon QLDB
* Amazon Redshift
* AWS Snowball

**Q19) Which pillar of the AWS Well-Architected Framework focuses on using computing resources in ways that meet system requirements?**

* V **Performance Efficiency**
* Reliability
* Operational Excellence
* Security

**Q20) Which action can a person perform in Amazon CloudFront?**

* Run infrastructure in a hybrid cloud approach.
* Provision resources by using programming languages or a text file.
* Provision an isolated section of the AWS Cloud to launch resources in a virtual network that a person defines.
* **Deliver content to customers through a global network of edge locations.**

**Q21) A cloud engineer wants to store data in a volume that is attached to an Amazon EC2 instance. Which service should they use?**

* Amazon ElastiCache
* Amazon Simple Storage Service (Amazon S3)
* **Amazon Elastic Block Store (Amazon EBS)**
* AWS Lambda

Amazon EBS provides block-level storage volumes for Amazon EC2 instances. If a person stops or terminates an Amazon EC2 instance, all the data on the attached EBS volume remains available.

Amazon Simple Storage Service (Amazon S3) is a service that provides object-level storage. Amazon S3 stores data as objects within buckets.

**Q22) A cloud engineer is running an Amazon EC2 instance and wants to store data in an attached resource. Their data is temporary and will not be kept long term. Which resource should they use?**

* **Instance store**
* Amazon S3 bucket
* Amazon Elastic Block Store (Amazon EBS) volume
* Subnet

Instance stores are ideal for temporary data that does not need to be kept long term.

**Q23) Which service is used to transfer up to 100 PB of data to AWS?**

* AWS DeepRacer
* Amazon CloudFront
* **AWS Snowmobile**
* Amazon Neptune

**Q24) Which service provides review details for user activities and API calls that have occurred within an AWS environment?**

* Amazon CloudWatch
* **AWS CloudTrail**
* Amazon Inspector
* AWS Trusted Advisor

With CloudTrail, a person can view a complete history of user activity and API calls for their applications and resources.

**Q25) Which actions can a person perform in Amazon Route 53? (Select TWO.)**

* Access AWS security and compliance reports and select online agreements.
* Automate the deployment of workloads into an AWS environment.
* Monitor applications and respond to system-wide performance changes.
* **Connect user requests to infrastructure in AWS and outside of AWS.**
* **Manage DNS records for domain names.**

**Q26) Which component or service establishes a dedicated private connection between an on-premises data center and virtual private cloud (VPC)?**

* Amazon CloudFront
* Virtual private gateway
* **AWS Direct Connect**
* Internet gateway

**Q27) A cloud architect wants Amazon S3 to monitor object access patterns. Which storage class should they use?**

* Amazon S3 Standard-IA
* **Amazon S3 Intelligent-Tiering**
* Amazon S3 Glacier Flexible Retrieval
* Amazon S3 One Zone-IA

**Q28) Which service consolidates and manages multiple AWS accounts from a central location?**

* AWS Key Management Service (AWS KMS)
* AWS Identity and Access Management (IAM)
* AWS Artifact
* **AWS Organizations**

**Q29) Which statement best describes Elastic Load Balancing?**

* A service that provides the capability to create, manage, and scale a distributed in-memory or cache environment in the cloud
* A service that provides data for monitoring applications, optimize resource utilization, and respond to system-wide performance changes
* A service that monitors applications and automatically adds or removes capacity from resource groups in response to changing demand
* **A service that distributes incoming traffic across multiple targets, such as Amazon EC2 instances**

**Q30) Which tasks are the responsibilities of AWS? (Select TWO.)**

* Creating IAM users and groups
* **Maintaining virtualization infrastructure**
* Training company employees on how to use AWS services
* Configuring security groups on Amazon EC2 instances
* **Configuring AWS infrastructure devices**

<https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/1/>

Question #1

A company is planning to run a global marketing application in the AWS Cloud. The application will feature videos that can be viewed by users. The company must ensure that all users can view these videos with low latency.  
Which AWS service should the company use to meet this requirement?

* A. AWS Auto Scaling
* B. Amazon Kinesis Video Streams
* C. Elastic Load Balancing
* **D. Amazon CloudFront**

*CloudFront is a content delivery network (CDN) that speeds up the delivery of static and dynamic web content, such as HTML, CSS, JavaScript, and images, as well as videos.*

Question #2*Topic 1*

Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

* A. Security
* **B. Reliability**
* C. Performance efficiency
* D. Cost optimization

*The reliability pillar focuses on workloads performing their intended functions and how to recover quickly from failure to meet demands. Key topics include distributed system design, recovery planning, and adapting to changing requirements.*

Question #3*Topic 1*

Which of the following are benefits of migrating to the AWS Cloud? (Choose two.)

* **A. Operational resilience**
* B. Discounts for products on Amazon.com
* **C. Business agility**
* D. Business excellence
* E. Increased staff retention

***A. Operational resilience****: The AWS Cloud is designed to be highly available and scalable, which can help organizations improve their operational resilience and reduce the impact of failures or disruptions.* ***C. Business agility****: Migrating to the AWS Cloud can help organizations to increase their business agility by allowing them to quickly and easily deploy new applications and services, scale their infrastructure up or down as needed, and experiment with new technologies.*

Question #4*Topic 1*

A company is planning to replace its physical on-premises compute servers with AWS serverless compute services. The company wants to be able to take advantage of advanced technologies quickly after the migration.  
Which pillar of the AWS Well-Architected Framework does this plan represent?

* A. Security
* B. **Performance efficiency**
* C. Operational excellence
* D. Reliability

Question #5*Topic 1*

A large company has multiple departments. Each department has its own AWS account. Each department has purchased Amazon EC2 Reserved Instances. Some departments do not use all the Reserved Instances that they purchased, and other departments need more Reserved Instances than they purchased.The company needs to manage the AWS accounts for all the departments so that the departments **can share the Reserved Instances**.  
Which AWS service or tool should the company use to meet these requirements?

* A. AWS Systems Manager
* B. Cost Explorer
* C. AWS Trusted Advisor
* **D. AWS Organizations**

Question #6*Topic 1*

Which component of the AWS global infrastructure is made up of one or more discrete data centers that have redundant power, networking, and connectivity?

* A. AWS Region
* **B. Availability Zone**
* C. Edge location
* D. AWS Outposts

Question #7*Topic 1*

Which duties are the responsibility of a company that is using AWS Lambda? (Choose two.)

* **A. Security inside of code**
* B. Selection of CPU resources
* C. Patching of operating system
* **D. Writing and updating of code**
* E. Security of underlying infrastructure

Question #8*Topic 1*

Which AWS services or features provide disaster recovery solutions for Amazon EC2 instances? (Choose two.)

* A. ׀•׀¡2 Reserved Instances
* **B. EC2 Amazon Machine Images (AMIs)**
* **C. Amazon Elastic Block Store (Amazon EBS) snapshots**
* D. AWS Shield
* E. Amazon GuardDuty

Question #9*Topic 1*

A company is migrating to the AWS Cloud instead of running its infrastructure on premises.  
Which of the following are advantages of this migration? (Choose two.)

* A. Elimination of the need to perform security auditing
* **B. Increased global reach and agility**
* **C. Ability to deploy globally in minutes**
* D. Elimination of the cost of IT staff members
* E. Redundancy by default for all compute services

Question #10*Topic 1*

A user is comparing purchase options for an application that runs on Amazon EC2 and Amazon RDS. The application cannot sustain any interruption. The application experiences a predictable amount of usage, including some seasonal spikes that last only a few weeks at a time. It is not possible to modify the application.  
Which purchase option meets these requirements MOST cost-effectively?

* A. Review the AWS Marketplace and buy Partial Upfront Reserved Instances to cover the predicted and seasonal load.
* B. Buy Reserved Instances for the predicted amount of usage throughout the year. Allow any seasonal usage to run on Spot Instances.
* **C. Buy Reserved Instances for the predicted amount of usage throughout the year. Allow any seasonal usage to run at an On-Demand rate.**
* D. Buy Reserved Instances to cover all potential usage that results from the seasonal usage.

Question #11*Topic 1*

A company wants to review its monthly costs of using Amazon EC2 and Amazon RDS for the past year.  
Which AWS service or tool provides this information?

* A. AWS Trusted Advisor
* **B. Cost Explorer**
* C. Amazon Forecast
* D. Amazon CloudWatch

Question #12*Topic 1*

A company wants to migrate a critical application to AWS. The application has a short runtime. The application is invoked by changes in data or by shifts in system state. The company needs a compute solution that maximizes operational efficiency and minimizes the cost of running the application.  
Which AWS solution should the company use to meet these requirements?

* A. Amazon EC2 On-Demand Instances
* **B. AWS Lambda**
* C. Amazon EC2 Reserved Instances
* D. Amazon EC2 Spot Instances

*AWS Lambda is best for event-driven apps.*

Question #13*Topic 1*

Which AWS service or feature allows users to connect with and deploy AWS services programmatically?

* A. AWS Management Console
* B. AWS Cloud9
* C. AWS CodePipeline
* **D. AWS software development kits (SDKs)**

Question #14*Topic 1*

A company plans to create a data lake that uses Amazon S3.  
Which factor will have the MOST effect on cost?

* **A. The selection of S3 storage tiers**
* B. Charges to transfer existing data into Amazon S3
* C. The addition of S3 bucket policies
* D. S3 ingest fees for each request

*Amazon S3 offers different storage tiers with varying costs, and the selection of the storage tier will heavily impact the overall cost of the data lake.*

Question #15*Topic 1*

A company is launching an ecommerce application that must always be available. The application will run on Amazon EC2 instances continuously for the next 12 months.  
What is the MOST cost-effective instance purchasing option that meets these requirements?

* A. Spot Instances
* **B. Savings Plans**
* C. Dedicated Hosts
* D. On-Demand Instances

Question #16*Topic 1*

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

* **A. Cost allocation tags**
* B. Key pairs
* C. Amazon Inspector
* D. AWS Trusted Advisor

Question #17*Topic 1*

A company wants to migrate its workloads to AWS, but it lacks expertise in AWS Cloud computing.  
Which AWS service or feature will help the company with its migration?

* A. AWS Trusted Advisor
* **B. AWS Consulting Partners**
* C. AWS Artifacts
* D. AWS Managed Services

*AWS Partner Network (APN) Consulting Partners help customers design, architect, build, migrate, and manage workloads and applications on Amazon Web Services.*

Question #18*Topic 1*

Which AWS service or tool should a company use to centrally request and track service limit increases?

* A. AWS Config
* **B. Service Quotas**
* C. AWS Service Catalog
* D. AWS Budgets

*Service Quotas is an AWS service that allows users to view, manage, and request increases in service limits for various AWS services.*

Question #19*Topic 1*

Which documentation does AWS Artifact provide?

* A. Amazon EC2 terms and conditions
* **B. AWS ISO certifications**
* C. A history of a company's AWS spending
* D. A list of previous-generation Amazon EC2 instance types

Question #20*Topic 1*

Which task requires using AWS account root user credentials?

* A. Viewing billing information
* **B. Changing the AWS Support plan**
* C. Starting and stopping Amazon EC2 instances
* D. Opening an AWS Support case

Question #21*Topic 1*

A company needs to simultaneously process hundreds of requests from different users.  
Which combination of AWS services should the company use to build an operationally efficient solution?

* **A. Amazon Simple Queue Service (Amazon SQS) and AWS Lambda**
* B. AWS Data Pipeline and Amazon EC2
* C. Amazon Kinesis and Amazon Athena
* D. AWS Amplify and AWS AppSync

Question #22*Topic 1*

What is the scope of a VPC within the AWS network?

* A. A VPC can span all Availability Zones globally.
* B. A VPC must span at least two subnets in each AWS Region.
* C. A VPC must span at least two edge locations in each AWS Region.
* **D. A VPC can span all Availability Zones within an AWS Region.**

Question #23*Topic 1*

Which of the following are components of an AWS Site-to-Site VPN connection? (Choose two.)

* A. AWS Storage Gateway
* **B. Virtual private gateway**
* C. NAT gateway
* **D. Customer gateway**
* E. Internet gateway

*The VPC has an attached virtual private gateway, and your on-premises (remote) network includes a customer gateway device, which you must configure to enable the Site-to-Site VPN connection.*

Question #24*Topic 1*

A company needs to establish a connection between two VPCs. The VPCs are located in two different AWS Regions. The company wants to use the existing infrastructure of the VPCs for this connection.  
Which AWS service or feature can be used to establish this connection?

* A. AWS Client VPN
* **B. VPC peering**
* C. AWS Direct Connect
* D. VPC endpoints

Question #25*Topic 1*

According to the AWS shared responsibility model, what responsibility does a customer have when using Amazon RDS to host a database?

* **A. Manage connections to the database**
* B. Install Microsoft SQL Server
* C. Design encryption-at-rest strategies
* D. Apply minor database patches

Question #26*Topic 1*

What are some advantages of using Amazon EC2 instances to host applications in the AWS Cloud instead of on premises? (Choose two.)

* A. EC2 includes operating system patch management.
* **B. EC2 integrates with Amazon VPC, AWS CloudTrail, and AWS Identity and Access Management (IAM).**
* C. EC2 has a 100% service level agreement (SLA).
* **D. EC2 has a flexible, pay-as-you-go pricing model.**
* E. EC2 has automatic storage cost optimization.

Question #27*Topic 1*

A user needs to determine whether an Amazon EC2 instance's security groups were modified in the last month.  
How can the user see if a change was made?

* A. Use Amazon EC2 to see if the security group was changed.
* B. Use AWS Identity and Access Management (IAM) to see which user or role changed the security group.
* **C. Use AWS CloudTrail to see if the security group was changed.**
* D. Use Amazon CloudWatch to see if the security group was changed.

Question #28*Topic 1*

Which AWS service will help protect applications running on AWS from DDoS attacks?

* A. Amazon GuardDuty
* B. AWS WAF
* **C. AWS Shield**
* D. Amazon Inspector

Question #29*Topic 1*

Which AWS service or feature acts as a firewall for Amazon EC2 instances?

* A. Network ACL
* B. Elastic network interface
* C. Amazon VPC
* **D. Security group**

Question #30*Topic 1*

How does the AWS Cloud pricing model differ from the traditional on-premises storage pricing model?

* A. AWS resources do not incur costs
* **B. There are no infrastructure operating costs**
* **C. There are no upfront cost commitments**
* D. There are no software licensing costs

Question #31*Topic 1*

A company has a single Amazon EC2 instance. The company wants to adopt a highly available architecture.  
What can the company do to meet this requirement?

* A. Scale vertically to a larger EC2 instance size.
* **B. Scale horizontally across multiple Availability Zones. Most Voted**
* C. Purchase an EC2 Dedicated Instance.
* D. Change the EC2 instance family to a compute optimized instance.

Question #32*Topic 1*

A company's on-premises application deployment cycle was 3-4 weeks. After migrating to the AWS Cloud, the company can deploy the application in 2-3 days.  
Which benefit has this company experienced by moving to the AWS Cloud?

* A. Elasticity
* B. Flexibility
* **C. Agility Most Voted**
* D. Resilience

Question #33*Topic 1*

Which of the following are included in AWS Enterprise Support? (Choose two.)

* **A. AWS technical account manager (TAM)**
* B. AWS partner-led support
* C. AWS Professional Services
* **D. Support of third-party software integration to AWS**
* E. 5-minute response time for critical issues

Question #34*Topic 1*

A global media company uses AWS Organizations to manage multiple AWS accounts.  
Which AWS service or feature can the company use to limit the access to AWS services for member accounts?

* A. AWS Identity and Access Management (IAM)
* **B. Service control policies (SCPs)**
* C. Organizational units (OUs)
* D. Access control lists (ACLs)

Question #35*Topic 1*

A company wants to limit its employees' AWS access to a portfolio of predefined AWS resources.  
Which AWS solution should the company use to meet this requirement?

* A. AWS Config
* B. AWS software development kits (SDKs)
* **C. AWS Service Catalog Most Voted**
* D. AWS AppSync

*AWS Service Catalog can create, organize, and govern a curated catalog of AWS resources that can be shared at the permissions level so you can quickly provision approved cloud resources without needing direct access to the underlying AWS services.*

Question #36*Topic 1*

An online company was running a workload on premises and was struggling to launch new products and features. After migrating the workload to AWS, the company can quickly launch products and features and can scale its infrastructure as required.  
Which AWS Cloud value proposition does this scenario describe?

* A. Business agility **Most Voted**
* B. High availability
* C. Security
* D. Centralized auditing

Question #37*Topic 1*

Which of the following are advantages of the AWS Cloud? (Choose two.)

* A. AWS management of user-owned infrastructure
* **B. Ability to quickly change required capacity Most Voted**
* **C. High economies of scale Most Voted**
* D. Increased deployment time to market
* E. Increased fixed expenses

Question #38*Topic 1*

AWS has the ability to achieve lower pay-as-you-go pricing by aggregating usage across hundreds of thousands of users. This describes which advantage of the AWS Cloud?

* A. Launch globally in minutes
* B. Increase speed and agility
* **C. High economies of scale Most Voted**

Question #39*Topic 1*

A company has a database server that is always running. The company hosts the server on Amazon EC2 instances. The instance sizes are suitable for the workload. The workload will run for 1 year.  
Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

* **A. Standard Reserved Instances Most Voted**
* B. On-Demand Instances
* C. Spot Instances
* D. Convertible Reserved Instances

Question #40*Topic 1*

A company is developing a mobile app that needs a high-performance NoSQL database.  
Which AWS services could the company use for this database? (Choose two.)

* A. Amazon Aurora
* B. Amazon RDS
* C. Amazon Redshift
* **D. Amazon DocumentDB (with MongoDB compatibility) Most Voted**
* **E. Amazon DynamoDB Most Voted**

Question #41*Topic 1*

Which tasks are the responsibility of AWS, according to the AWS shared responsibility model? (Choose two.)

* A. Patch the Amazon EC2 guest operating system.
* **B. Upgrade the firmware of the network infrastructure. Most Voted**
* C. Apply password rotation for IAM users.
* **D. Maintain the physical security of edge locations. Most Voted**

Question #42*Topic 1*

Which of the following are features of network ACLs as they are used in the AWS Cloud? (Choose two.)

* **A. They are stateless. Most Voted**
* B. They are stateful.
* C. They evaluate all rules before allowing traffic.
* **D. They process rules in order, starting with the lowest numbered rule, when deciding whether to allow traffic.**
* E. They operate at the instance level.

Question #43*Topic 1*

A company has designed its AWS Cloud infrastructure to run its workloads effectively. The company also has protocols in place to continuously improve supporting processes.  
Which pillar of the AWS Well-Architected Framework does this scenario represent?

* A. Security
* B. Performance efficiency
* C. Cost optimization
* **D. Operational excellence Most Voted**

*The Operational Excellence pillar includes the ability to support development and run workloads effectively, gain insight into their operation, and continuously improve supporting processes and procedures to delivery business value.*

Question #44*Topic 1*

Which AWS service or feature can be used to create a private connection between an on-premises workload and an AWS Cloud workload?

* A. Amazon Route 53
* B. Amazon Macie
* **C. AWS Direct Connect Most Voted**
* D. AWS PrivateLink

Question #45*Topic 1*

A company needs to graphically visualize AWS billing and usage over time. The company also needs information about its AWS monthly costs.  
Which AWS Billing and Cost Management tool provides this data in a graphical format?

* A. AWS Bills
* **B. Cost Explorer Most Voted**
* C. AWS Cost and Usage Report
* D. AWS Budgets

Question #46*Topic 1*

A company wants to run production workloads on AWS. The company needs concierge service, a designated AWS technical account manager (TAM), and technical support that is available 24 hours a day, 7 days a week.  
Which AWS Support plan will meet these requirements?

* A. AWS Basic Support
* **B. AWS Enterprise Support Most Voted**
* C. AWS Business Support

Question #47*Topic 1*

Which architecture design principle describes the need to isolate failures between dependent components in the AWS Cloud?

* A. Use a monolithic design.
* B. Design for automation.
* C. Design for single points of failure.
* **D. Loosely couple components. Most Voted**

Question #48*Topic 1*

Which AWS services are managed database services? (Choose two.)

* A. Amazon Elastic Block Store (Amazon EBS)
* B. Amazon S3
* **C. Amazon RDS Most Voted**
* D. Amazon Elastic File System (Amazon EFS)
* **E. Amazon DynamoDB Most Voted**

Question #49*Topic 1*

A company is using the AWS Free Tier for several AWS services for an application.  
What will happen if the Free Tier usage period expires or if the application use exceeds the Free Tier usage limits?

* **A. The company will be charged the standard pay-as-you-go service rates for the usage that exceeds the Free Tier usage. Most Voted**
* B. AWS Support will contact the company to set up standard service charges.
* C. The company will be charged for the services it consumed during the Free Tier period, plus additional charges for service consumption after the Free Tier period.
* D. The company's AWS account will be frozen and can be restarted after a payment plan is established.

Question #50*Topic 1*

A company recently deployed an Amazon RDS instance in its VPC. The company needs to implement a stateful firewall to limit traffic to the private corporate network.  
Which AWS service or feature should the company use to limit network traffic directly to its RDS instance?

* A. Network ACLs
* **B. Security groups Most Voted**
* C. AWS WAF
* D. Amazon GuardDuty

Question #51*Topic 1*

Which AWS service uses machine learning to help discover, monitor, and protect sensitive data that is stored in Amazon S3 buckets?

* A. AWS Shield
* **B. Amazon Macie Most Voted**
* C. AWS Network Firewall
* D. Amazon Cognito

Question #52*Topic 1*

A company wants to improve the overall availability and performance of its applications that are hosted on AWS.  
Which AWS service should the company use?

* A. Amazon Connect
* B. Amazon Lightsail
* **C. AWS Global Accelerator Most Voted**
* D. AWS Storage Gateway

*Global Accelerator improves overall performance and availability. Those who vote B should go check the use cases covered by LightSail and that it's ONE virtual server, not the best when it comes to availability and performance...*

Question #53*Topic 1*

Which AWS service or feature identifies whether an Amazon S3 bucket or an IAM role has been shared with an external entity?

* A. AWS Service Catalog
* B. AWS Systems Manager
* **C. AWS IAM Access Analyzer Most Voted**
* D. AWS Organizations

*Access Analyzer helps you identify the resources in your organization and accounts, such as Amazon S3 buckets or IAM roles, shared with an external entity.*

Question #54*Topic 1*

A company does not want to rely on elaborate forecasting to determine its usage of compute resources. Instead, the company wants to pay only for the resources that it uses. The company also needs the ability to increase or decrease its resource usage to meet business requirements.  
Which pillar of the AWS Well-Architected Framework aligns with these requirements?

* A. Operational excellence
* B. Security
* C. Reliability
* **D. Cost optimization Most Voted**

Question #55*Topic 1*

A company wants to launch its workload on AWS and requires the system to automatically recover from failure.  
Which pillar of the AWS Well-Architected Framework includes this requirement?

* A. Cost optimization
* B. Operational excellence
* C. Performance efficiency
* **D. Reliability Most Voted**

*Reliability in the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions, as well as to dynamically acquire computing resources to meet demand.*

Question #56*Topic 1*

A large enterprise with multiple VPCs in several AWS Regions around the world needs to connect and centrally manage network connectivity between its VPCs.  
Which AWS service or feature meets these requirements?

* A. AWS Direct Connect
* B. AWS Transit Gateway **Most Voted**
* C. AWS Site-to-Site VPN
* D. VPC endpoints

*AWS Transit Gateway is a fully managed service that simplifies the connectivity and routing between VPCs and on-premises networks. It acts as a hub that enables inter-VPC communication and connectivity to on-premises data centers or remote networks.*

Question #57*Topic 1*

Which AWS service supports the creation of visual reports from AWS Cost and Usage Report data?

* A. Amazon Athena
* **B. Amazon QuickSight Most Voted**
* C. Amazon CloudWatch
* D. AWS Organizations

Question #58*Topic 1*

Which AWS service should be used to monitor Amazon EC2 instances for CPU and network utilization?

* A. Amazon Inspector
* B. AWS CloudTrail
* **C. Amazon CloudWatch Most Voted**
* D. AWS Config

Question #59*Topic 1*

A company is preparing to launch a new web store that is expected to receive high traffic for an upcoming event. The web store runs only on AWS, and the company has an AWS Enterprise Support plan.  
Which AWS resource will provide guidance about how the company should scale its architecture and operational support during the event?

* A. AWS Abuse team
* B. The designated AWS technical account manager (TAM)
* **C. AWS infrastructure event management Most Voted**
* D. AWS Professional Services

*AWS Infrastructure Event Management (IEM) offers architecture and scaling guidance and operational support during the preparation and execution of planned events, such as shopping holidays, product launches, and migrations.*

Question #60*Topic 1*

A user wants to deploy a service to the AWS Cloud by using infrastructure-as-code (IaC) principles.  
Which AWS service can be used to meet this requirement?

* A. AWS Systems Manager
* **B. AWS CloudFormation Most Voted**
* C. AWS CodeCommit
* D. AWS Config

Question #61*Topic 1*

A company that has multiple business units wants to centrally manage and govern its AWS Cloud environments. The company wants to automate the creation of  
AWS accounts, apply service control policies (SCPs), and simplify billing processes.  
Which AWS service or tool should the company use to meet these requirements?

* **A. AWS Organizations Most Voted**
* B. Cost Explorer
* C. AWS Budgets
* D. AWS Trusted Advisor

Question #62*Topic 1*

Which IT controls do AWS and the customer share, according to the AWS shared responsibility model? (Choose two.)

* A. Physical and environmental controls
* **B. Patch management Most Voted**
* **C. Cloud awareness and training Most Voted**
* D. Zone security
* E. Application data encryption

Question #63*Topic 1*

A company is launching an application in the AWS Cloud. The application will use Amazon S3 storage. A large team of researchers will have shared access to the data. The company must be able to recover data that is accidentally overwritten or deleted. Which S3 feature should the company turn on to meet this requirement?

* A. Server access logging
* **B. S3 Versioning Most Voted**
* C. S3 Lifecycle rules
* D. Encryption in transit and at rest

Question #64*Topic 1*

A manufacturing company has a critical application that runs at a remote site that has a slow internet connection. The company wants to migrate the workload to AWS. The application is sensitive to latency and interruptions in connectivity. The company wants a solution that can host this application with minimum latency.  
Which AWS service or feature should the company use to meet these requirements?

* A. Availability Zones
* **B. AWS Local Zones Most Voted**
* C. AWS Wavelength
* D. AWS Outposts **Most Voted**

Question #65*Topic 1*

A company wants to migrate its applications from its on-premises data center to a VPC in the AWS Cloud. These applications will need to access on-premises resources.  
Which actions will meet these requirements? (Choose two.)

* A. Use AWS Service Catalog to identify a list of on-premises resources that can be migrated.
* **B. Create a VPN connection between an on-premises device and a virtual private gateway in the VPC. Most Voted**
* C. Use an Amazon CloudFront distribution and configure it to accelerate content delivery close to the on-premises resources.
* **D. Set up an AWS Direct Connect connection between the on-premises data center and AWS. Most Voted**
* E. Use Amazon CloudFront to restrict access to static web content provided through the on-premises web servers.

Question #66*Topic 1*

A company wants to use the AWS Cloud to provide secure access to desktop applications that are running in a fully managed environment.  
Which AWS service should the company use to meet this requirement?

* A. Amazon S3
* **B. Amazon AppStream 2.0 Most Voted**
* C. AWS AppSync
* D. AWS Outposts

*AppStream 2.0 is a fully managed application streaming service that provides users instant access to their desktop applications from anywhere*

Question #67*Topic 1*

A company wants to implement threat detection on its AWS infrastructure. However, the company does not want to deploy additional software. Which AWS service should the company use to meet these requirements?

* A. Amazon VPC
* B. Amazon EC2
* **C. Amazon GuardDuty Most Voted**
* D. AWS Direct Connect

Question #68*Topic 1*

Which AWS service uses edge locations?

* A. Amazon Aurora
* **B. AWS Global Accelerator Most Voted**
* C. Amazon Connect
* D. AWS Outposts

*AWS Global Accelerator uses edge locations to improve the availability and performance of applications by routing traffic through the AWS global network infrastructure to the nearest edge location.*

Question #69*Topic 1*

A company needs to install an application in a Docker container.  
Which AWS service eliminates the need to provision and manage the container hosts?

* A. AWS Fargate **Most Voted**
* B. Amazon FSx for Windows File Server
* **C. Amazon Elastic Container Service (Amazon ECS) Most Voted**
* D. Amazon EC2

Question #70*Topic 1*

Which AWS service or feature checks access policies and offers actionable recommendations to help users set secure and functional policies?

* A. AWS Systems Manager
* B. AWS IAM Access Analyzer **Most Voted**
* C. AWS Trusted Advisor
* D. Amazon GuardDuty

*AWS IAM Access Analyzer helps identify resources in your organization and accounts that are shared with an external entity. IAM Access Analyzer validates IAM policies against policy grammar and best practices. IAM Access Analyzer generates IAM policies based on access activity in your AWS CloudTrail logs.*

Question #71*Topic 1*

A company has a fleet of cargo ships. The cargo ships have sensors that collect data at sea, where there is intermittent or no internet connectivity. The company needs to collect, format, and process the data at sea and move the data to AWS later. Which AWS service should the company use to meet these requirements?

* A. AWS IoT Core
* B. Amazon Lightsail
* C. AWS Storage Gateway
* **D. AWS Snowball Edge Most Voted**

Question #72*Topic 1*

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using only AWS services that replicate data across multiple Availability Zones.  
Which AWS services should the company use to meet this requirement? (Choose two.)

* **A. Amazon EC2 Most Voted**
* **B. Amazon Elastic Block Store (Amazon EBS) Most Voted**
* C. Amazon Aurora **Most Voted**
* D. Amazon DynamoDB **Most Voted**

Question #73*Topic 1*

Which characteristic of the AWS Cloud helps users eliminate underutilized CPU capacity?

* A. Agility
* **B. Elasticity Most Voted**
* C. Reliability
* D. Durability

Question #74*Topic 1*

Service control policies (SCPs) manage permissions for which of the following?

* A. Availability Zones
* B. AWS Regions
* **C. AWS Organizations Most Voted**
* D. Edge locations

Question #75*Topic 1*

Which AWS service can be used to encrypt data at rest?

* A. Amazon GuardDuty
* B. AWS Shield
* C. AWS Security Hub
* **D. AWS Key Management Service (AWS KMS) Most Voted**

Question #76*Topic 1*

Which characteristics are advantages of using the AWS Cloud? (Choose two.)

* A. A 100% service level agreement (SLA) for all AWS services
* **B. Compute capacity that is adjusted on demand Most Voted**
* C. Availability of AWS Support for code development
* **D. Enhanced security Most Voted**
* E. Increases in cost and complexity

Question #77*Topic 1*

A user is storing objects in Amazon S3. The user needs to restrict access to the objects to meet compliance obligations. What should the user do to meet this requirement?

* A. Use AWS Secrets Manager.
* **B. Tag the objects in the S3 bucket. Most Voted**
* C. Use security groups.
* D. Use network ACLs. **Most Voted**

*Object tags enable fine-grained access control of permissions. For example, you could grant an IAM user permissions to read-only objects with specific tags*

Question #78*Topic 1*

A company wants to convert video files and audio files from their source format into a format that will play on smartphones, tablets, and web browsers.  
Which AWS service will meet these requirements?

* **A. Amazon Elastic Transcoder Most Voted**
* B. Amazon Comprehend
* C. AWS Glue
* D. Amazon Rekognition

*"Amazon Elastic Transcoder is media transcoding in the cloud. It is designed to be a highly scalable, easy to use and a cost effective way for developers and businesses to convert (or “transcode”) media files from their source format into versions that will playback on devices like smartphones, tablets and PCs."*

Question #79*Topic 1*

Which of the following are benefits of Amazon EC2 Auto Scaling? (Choose two.)

* **A. Improved health and availability of applications Most Voted**
* B. Reduced network latency
* **C. Optimized performance and costs Most Voted**
* D. Automated snapshots of data

Question #80*Topic 1*

A company has several departments. Each department has its own AWS accounts for its applications. The company wants all AWS costs on a single invoice to simplify payment, but the company wants to know the costs that each department is incurring. Which AWS tool or feature will provide this functionality?

* A. AWS Cost and Usage Reports
* **B. Consolidated billing Most Voted**
* C. Savings Plans
* D. AWS Budgets

Question #81*Topic 1*

A company runs its workloads on premises. The company wants to forecast the cost of running a large application on AWS. Which AWS service or tool can the company use to obtain this information?

* **A. AWS Pricing Calculator Most Voted**
* B. AWS Budgets
* C. AWS Trusted Advisor
* D. Cost Explorer

Question #82*Topic 1*

A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources.  
Which advantage of the AWS Cloud matches the company's requirements?

* A. Reliability
* B. Global reach
* C. Economies of scale
* **D. Pay-as-you-go pricing Most Voted**

Question #83*Topic 1*

Which AWS service supports a hybrid architecture that gives users the ability to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co- location environments, or on-premises facilities?

* A. AWS Snowmobile
* B. AWS Local Zones
* **C. AWS Outposts Most Voted**
* D. AWS Fargate

Question #84*Topic 1*

A company has a physical tape library to store data backups. The tape library is running out of space. The company needs to extend the tape library's capacity to the AWS Cloud.  
Which AWS service should the company use to meet this requirement?

* A. Amazon Elastic Block Store (Amazon EBS)
* B. Amazon S3
* C. Amazon Elastic File System (Amazon EFS)
* **D. AWS Storage Gateway Most Voted**

*AWS Storage Gateway is a set of hybrid cloud storage services that provide on-premises access to virtually unlimited cloud storage.*

Question #85*Topic 1*

An online retail company has seasonal sales spikes several times a year, primarily around holidays. Demand is lower at other times. The company finds it difficult to predict the increasing infrastructure demand for each season. Which advantages of moving to the AWS Cloud would MOST benefit the company? (Choose two.)

* A. Global footprint
* **B. Elasticity Most Voted**
* C. AWS service quotas
* D. AWS shared responsibility model
* **E. Pay-as-you-go pricing Most Voted**

Question #86*Topic 1*

Which AWS service can be used to turn text into lifelike speech?

* **A. Amazon Polly Most Voted**
* B. Amazon Kendra
* C. Amazon Rekognition
* D. Amazon Connect

Question #87*Topic 1*

Which AWS service or tool can be used to capture information about inbound and outbound traffic in an Amazon VPC?

* **A. VPC Flow Logs Most Voted**
* B. Amazon Inspector
* C. VPC endpoint services
* D. NAT gateway

Question #88*Topic 1*

A company wants to ensure that two Amazon EC2 instances are in separate data centers with minimal communication latency between the data centers. How can the company meet this requirement?

* A. Place the EC2 instances in two separate AWS Regions connected with a VPC peering connection.
* **B. Place the EC2 instances in two separate Availability Zones within the same AWS Region. Most Voted**
* C. Place one EC2 instance on premises and the other in an AWS Region. Then connect them by using an AWS VPN connection.
* D. Place both EC2 instances in a placement group for dedicated bandwidth.

Question #89*Topic 1*

In which situations should a company create an IAM user instead of an IAM role? (Choose two.)

* A. When an application that runs on Amazon EC2 instances requires access to other AWS services: IAM Role
* **B. When the company creates AWS access credentials for individuals Most Voted**
* C. When the company creates an application that runs on a mobile phone that makes requests to AWS: IAM Role
* **D. When the company needs to add users to IAM groups Most Voted**
* E. When users are authenticated in the corporate network and want to be able to use AWS without having to sign in a second time : Integrated SSO

Question #90*Topic 1*

Which AWS services should a company use to read and write data that changes frequently? (Choose two.)

* A. Amazon S3 Glacier
* **B. Amazon RDS Most Voted**
* C. AWS Snowball
* D. Amazon Redshift
* **E. Amazon Elastic File System (Amazon EFS) Most Voted**

Question #91*Topic 1*

Which AWS service is used to provide encryption for Amazon EBS?

* A. AWS Certificate Manager
* B. AWS Systems Manager
* **C. AWS KMS Most Voted**
* D. AWS Config

Question #92*Topic 1*

Which AWS services make use of global edge locations? (Choose two.)

* A. AWS Fargate
* **B. Amazon CloudFront Most Voted**
* **C. AWS Global Accelerator Most Voted**
* D. AWS Wavelength
* E. Amazon VPC

Question #93*Topic 1*

A company is operating several factories where it builds products. The company needs the ability to process data, store data, and run applications with local system interdependencies that require low latency.  
Which AWS service should the company use to meet these requirements?

* A. AWS IoT Greengrass
* B. AWS Lambda
* **C. AWS Outposts Most Voted**
* D. AWS Snowball Edge

Question #94*Topic 1*

Which of the following is a recommended design principle for AWS Cloud architecture?

* A. Design tightly coupled components.
* B. Build a single application component that can handle all the application functionality.
* C. Make large changes on fewer iterations to reduce chances of failure.
* **D. Avoid monolithic architecture by segmenting workloads. Most Voted**

Question #95*Topic 1*

A company is designing its AWS workloads so that components can be updated regularly and so that changes can be made in small, reversible increments.  
Which pillar of the AWS Well-Architected Framework does this design support?

* A. Security
* B. Performance efficiency
* **C. Operational excellence Most Voted**
* D. Reliability

Question #96*Topic 1*

Which of the following acts as an instance-level firewall to control inbound and outbound access?

* A. Network access control list
* **B. Security groups Most Voted**
* C. AWS Trusted Advisor
* D. Virtual private gateways

Question #97*Topic 1*

A company has a workload that will run continuously for 1 year. The workload cannot tolerate service interruptions.  
Which Amazon EC2 purchasing option will be MOST cost-effective?

* **A. All Upfront Reserved Instances Most Voted**
* B. Partial Upfront Reserved Instances
* C. Dedicated Instances
* D. On-Demand Instances

Question #98*Topic 1*

Which AWS service helps protect against DDoS attacks?

* **A. AWS Shield Most Voted**
* B. Amazon Inspector
* C. Amazon GuardDuty
* D. Amazon Detective

Question #99*Topic 1*

Using AWS Config to record, audit, and evaluate changes to AWS resources to enable traceability is an example of which AWS Well-Architected Framework pillar?

* **A. Security Most Voted**
* B. Operational excellence
* C. Performance efficiency
* D. Cost optimization

Question #100*Topic 1*

Which AWS tool or feature acts as a VPC firewall at the subnet level?

* A. Security group
* **B. Network ACL Most Voted**
* C. Traffic Mirroring
* D. Internet gateway

Question #101*Topic 1*

Which AWS service can be used to decouple applications?

* A. AWS Config
* **B. Amazon Simple Queue Service (Amazon SQS) Most Voted**
* C. AWS Batch
* D. Amazon Simple Email Service (Amazon SES)

Question #102*Topic 1*

Which disaster recovery option is the LEAST expensive?

* A. Warm standby
* B. Multisite
* C. Backup and restore **Most Voted**
* D. Pilot light

Question #103*Topic 1*

Which type of AWS storage is ephemeral and is deleted when an Amazon EC2 instance is stopped or terminated?

* A. Amazon Elastic Block Store (Amazon EBS)
* **B. Amazon EC2 instance store Most Voted**
* C. Amazon Elastic File System (Amazon EFS)
* D. Amazon S3

Question #104*Topic 1*

Which of the following is a characteristic of the AWS account root user?

* A. The root user is the only user that can be configured with multi-factor authentication (MFA).
* B. The root user is the only user that can access the AWS Management Console.
* **C. The root user is the first sign-in identity that is available when an AWS account is created. Most Voted**
* D. The root user has a password that cannot be changed.

Question #105*Topic 1*

A company hosts an application on an Amazon EC2 instance. The EC2 instance needs to access several AWS resources, including Amazon S3 and Amazon DynamoDB.  
What is the MOST operationally efficient solution to delegate permissions?

* **A. Create an IAM role with the required permissions. Attach the role to the EC2 instance. Most Voted**
* B. Create an IAM user and use its access key and secret access key in the application.
* C. Create an IAM user and use its access key and secret access key to create a CLI profile in the EC2 instance
* D. Create an IAM role with the required permissions. Attach the role to the administrative IAM user.

Question #106*Topic 1*

Which of the following is a component of the AWS Global Infrastructure?

* A. Amazon Alexa
* **B. AWS Regions Most Voted**
* C. Amazon Lightsail
* D. AWS Organizations

Question #107*Topic 1*

What is the purpose of having an internet gateway within a VPC?

* A. To create a VPN connection to the VPC
* **B. To allow communication between the VPC and the internet Most Voted**
* C. To impose bandwidth constraints on internet traffic
* D. To load balance traffic from the internet across Amazon EC2 instances

Question #108*Topic 1*

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

* A. Amazon GuardDuty
* B. AWS Security Hub
* **C. AWS Artifact Most Voted**
* D. AWS Shield

Question #109*Topic 1*

A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in a various AWS accounts that it wants to interconnect.  
Which AWS service or feature should the company use to help simplify management and reduce operational costs?

* A. VPC endpoint
* B. AWS Direct Connect
* **C. AWS Transit Gateway Most Voted**
* D. VPC peering

*AWS Transit Gateway connects your Amazon Virtual Private Clouds (VPCs) and on-premises networks through a central hub. This connection simplifies your network and puts an end to complex peering relationships.*

Question #110*Topic 1*

A company is planning an infrastructure deployment to the AWS Cloud. Before the deployment, the company wants a cost estimate for running the infrastructure.  
Which AWS service or feature can provide this information?

* A. Cost Explorer
* B. AWS Trusted Advisor
* C. AWS Cost and Usage Report
* **D. AWS Pricing Calculator Most Voted**

Question #111*Topic 1*

Which AWS service of tool helps to centrally manage billing and allow controlled access to resources across AWS accounts?

* A. AWS Identity and Access Management (IAM)
* **B. AWS Organizations Most Voted**
* C. Cost Explorer
* D. AWS Budgets

Question #112*Topic 1*

Which of the following are Amazon Virtual Private Cloud (Amazon VPC) resources?

* A. Objects; access control lists (ACLs)
* **B. Subnets; internet gateways Most Voted**
* C. Access policies; buckets
* D. Groups; roles

Question #113*Topic 1*

A company needs to identify the last time that a specific user accessed the AWS Management Console.  
Which AWS service will provide this information?

* A. Amazon Cognito
* **B. AWS CloudTrail Most Voted**
* C. Amazon Inspector
* D. Amazon GuardDuty

Question #114*Topic 1*

A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI).  
Which actions can a system administrator take to connect to the EC2 instance? (Choose two.)

* **A. Use Amazon EC2 Instance Connect. Most Voted**
* B. Use a Remote Desktop Protocol (RDP) connection.
* C. Use AWS Batch
* **D. Use AWS Systems Manager Session Manager. Most Voted**
* E. Use Amazon Connect

*AWS Systems Manager Session Manager allows you to start interactive sessions with your instances directly from the AWS Management Console or through the AWS CLI.*

Question #115*Topic 1*

A company wants to perform sentiment analysis on customer service email messages that it receives. The company wants to identify whether the customer service engagement was positive or negative.  
Which AWS service should the company use to perform this analysis?

* A. Amazon Textract: **OCR**
* B. Amazon Translate: **translation**
* **C. Amazon Comprehend Most Voted**
* D. Amazon Rekognition: **image/video analysis**

*Amazon Comprehend uses natural language processing (NLP) to extract insights about the content of documents.*

Question #116*Topic 1*

What is the total amount of storage offered by Amazon S3?

* A. 100MB
* B. 5 GB
* C. 5 TB
* **D. Unlimited Most Voted**

Question #117*Topic 1*

A company is migrating to Amazon S3. The company needs to transfer 60 TB of data from an on-premises data center to AWS within 10 days.  
Which AWS service should the company use to accomplish this migration?

* A. Amazon S3 Glacier
* B. AWS Database Migration Service (AWS DMS)
* **C. AWS Snowball Most Voted**
* D. AWS Direct Connect

Question #118*Topic 1*

What type of database is Amazon DynamoDB?

* A. In-memory
* B. Relational
* **C. Key-value Most Voted**
* D. Graph

Question #119*Topic 1*

A large organization has a single AWS account.  
What are the advantages of reconfiguring the single account into multiple AWS accounts? (Choose two.)

* **A. It allows for administrative isolation between different workloads. Most Voted**
* B. Discounts can be applied on a quarterly basis by submitting cases in the AWS Management Console.
* C. Transitioning objects from Amazon S3 to Amazon S3 Glacier in separate AWS accounts will be less expensive.
* **D. Having multiple accounts reduces the risks associated with malicious activity targeted at a single account. Most**
* E. Amazon QuickSight offers access to a cost tool that provides application-specific recommendations for environments running in multiple accounts.

Question #120*Topic 1*

A retail company has recently migrated its website to AWS. The company wants to ensure that it is protected from SQL injection attacks. The website uses an  
Application Load Balancer to distribute traffic to multiple Amazon EC2 instances.  
Which AWS service or feature can be used to create a custom rule that blocks SQL injection attacks?

* A. Security groups
* B. AWS WAF **Most Voted**
* C. Network ACLs
* D. AWS Shield

By configuring AWS WAF with custom rules, you can define conditions and actions to be taken when SQL injection attempts are detected.

Question #121*Topic 1*

Which AWS service provides a feature that can be used to proactively monitor and plan for the service quotas of AWS resources?

* A. AWS CloudTrail
* B. AWS Personal Health Dashboard
* **C. AWS Trusted Advisor Most Voted**
* D. Amazon CloudWatch **Most Voted**

Question #122*Topic 1*

Which of the following is an advantage that users experience when they move on-premises workloads to the AWS Cloud?

* **A. Elimination of expenses for running and maintaining data centers Most Voted**
* B. Price discounts that are identical to discounts from hardware providers
* C. Distribution of all operational controls to AWS
* D. Elimination of operational expenses

Question #123*Topic 1*

Which design principle is included in the operational excellence pillar of the AWS Well-Architected Framework?

* A. Create annotated documentation.
* **B. Anticipate failure. Most Voted**
* C. Ensure performance efficiency.
* D. Optimize costs.

Question #124*Topic 1*

Which AWS services offer gateway VPC endpoints that can be used to avoid sending traffic over the internet? (Choose two.)

* A. Amazon Simple Notification Service (Amazon SNS)
* B. Amazon Simple Queue Service (Amazon SQS)
* C. AWS CodeBuild
* **D. Amazon S3 Most Voted**
* **E. Amazon DynamoDB Most Voted**

*Gateway VPC endpoints provide reliable connectivity to Amazon S3 and DynamoDB without requiring an internet gateway or a NAT device for your VPC*

Question #125*Topic 1*

Which of the following is the customer responsible for updating and patching, according to the AWS shared responsibility model?

* A. Amazon FSx for Windows File Server
* B. Amazon WorkSpaces virtual Windows desktop **Most Voted**
* C. AWS Directory Service for Microsoft Active Directory
* D. Amazon RDS for Microsoft SQL Server

*According to the AWS shared responsibility model, the customer is responsible for updating and patching the operating system and applications running on Amazon WorkSpaces virtual Windows desktops*

Question #126*Topic 1*

Who has the responsibility to patch the host operating system of an Amazon EC2 instance, according to the AWS shared responsibility model?

* A. Both AWS and the customer
* B. The customer only
* C. The EC2 hardware manufacturer
* **D. AWS only Most Voted**

Question #127*Topic 1*

A company is using an Amazon RDS DB instance for an application that is deployed in the AWS Cloud. The company needs regular patching of the operating system of the server where the DB instance runs.  
What is the company's responsibility in this situation, according to the AWS shared responsibility model?

* A. Open a support case to obtain administrative access to the server so that the company can patch the DB instance operating system.
* B. Open a support case and request that AWS patch the DB instance operating system.
* C. Use administrative access to the server, and apply the operating system patches during the regular maintenance window that is defined for the DB instance.
* **D. Establish a regular maintenance window that tells AWS when to patch the DB instance operating system. Most**

Question #128*Topic 1*

Why is an AWS Well-Architected review a critical part of the cloud design process?

* A. A Well-Architected review is mandatory before a workload can run on AWS.
* **B. A Well-Architected review helps identify design gaps and helps evaluate design decisions and related documents. Most Voted**
* C. A Well-Architected review is an audit mechanism that is a part of requirements for service level agreements.
* D. A Well-Architected review eliminates the need for ongoing auditing and compliance tests.

Question #129*Topic 1*

A company implements an Amazon EC2 Auto Scaling policy along with an Application Load Balancer to automatically recover unhealthy applications that run on  
Amazon EC2 instances.  
Which pillar of the AWS Well-Architected Framework does this action cover?

* A. Security
* B. Performance efficiency
* C. Operational excellence
* **D. Reliability Most Voted**

Question #130*Topic 1*

Which AWS Cloud benefit is shown by an architecture's ability to withstand failures with minimal downtime?

* A. Agility
* B. Elasticity
* C. Scalability
* **D. High availability Most Voted**

Question #131*Topic 1*

Under the AWS shared responsibility model, which task is the customer's responsibility when managing AWS Lambda functions?

* A. Creating versions of Lambda functions **Most Voted**
* B. Maintaining server and operating systems
* C. Scaling Lambda resources according to demand
* D. Updating the Lambda runtime environment

Question #132*Topic 1*

What does the AWS Concierge Support team provide?

* A. A technical expert dedicated to the user
* B. A primary point of contact for AWS Billing and AWS Support **Most Voted**
* C. A partner to help provide scaling guidance for an event launch
* D. A dedicated AWS staff member who reviews the user's application architecture

Question #133*Topic 1*

A company needs to generate reports that can break down cloud costs by product, by company-defined tags, and by hour, day, and month.  
Which AWS tool should the company use to meet these requirements?

* A. Reserved Instance utilization and coverage reports
* B. Savings Plans utilization reports
* C. AWS Budgets reports
* D. AWS Cost and Usage Reports **Most Voted**

Question #134*Topic 1*

A company has a serverless application that includes an Amazon API Gateway API, an AWS Lambda function, and an Amazon DynamoDB database. Which AWS service can the company use to trace user requests as they move through the application's components?

* A. AWS CloudTrail **Most Voted**
* B. Amazon CloudWatch
* C. Amazon Inspector
* **D. AWS X-Ray Most Voted**

*CloudTrail – audit, Cloudwatch – monitor, Inspector - vulnerability management, X-Ray - tracing*

Question #135*Topic 1*

A company needs to set up a petabyte-scale data warehouse in the AWS Cloud.  
Which AWS service will meet this requirement?

* A. Amazon DynamoDB
* B. Amazon RDS
* **C. Amazon Redshift Most Voted**
* D. Amazon ElastiCache

Question #136*Topic 1*

Which AWS service is always provided at no charge?

* A. Amazon S3
* **B. AWS Identity and Access Management (IAM) Most Voted**
* C. Elastic Load Balancers
* D. AWS WAF

Question #137*Topic 1*

A company needs to design an AWS disaster recovery plan to cover multiple geographic areas.  
Which action will meet this requirement?

* A. Configure multiple AWS accounts.
* B. Configure the architecture across multiple Availability Zones in an AWS Region. **Most Voted**
* **C. Configure the architecture across multiple AWS Regions. Most Voted**
* D. Configure the architecture among many edge locations.

Question #138*Topic 1*

Which of the following is a benefit of moving from an on-premises data center to the AWS Cloud?

* **A. Compute instances can be launched and terminated as needed to optimize costs. Most Voted**
* B. Compute costs can be viewed in the AWS Billing and Cost Management console.
* C. Users retain full administrative access to their compute instances.
* D. Users can optimize costs by permanently running enough instances at peak load.

Question #139*Topic 1*

In which ways does the AWS Cloud offer lower total cost of ownership (TCO) of computing resources than on-premises data centers? (Choose two.)

* **A. AWS replaces upfront capital expenditures with pay-as-you-go costs. Most Voted**
* B. AWS is designed for high availability, which eliminates user downtime.
* C. AWS eliminates the need for on-premises IT staff.
* **D. AWS uses economies of scale to continually reduce prices. Most Voted**
* E. AWS offers a single pricing model for Amazon EC2 instances.

Question #140*Topic 1*

Which AWS service monitors AWS accounts for security threats?

* **A. Amazon GuardDuty Most Voted**
* B. AWS Secrets Manager
* C. Amazon Cognito
* D. AWS Certificate Manager (ACM)

Question #141*Topic 1*

Which benefit is included with an AWS Enterprise Support plan?

* A. AWS Partner Network (APN) support at no cost.
* **B. Designated support from an AWS technical account manager (TAM) Most Voted**
* C. On-site support from AWS engineers
* D. AWS managed compliance as code with AWS Config

Question #142*Topic 1*

Which task does AWS perform automatically?

* **A. Encrypt data that is stored in Amazon DynamoDB. Most Voted**
* B. Patch Amazon EC2 instances.
* C. Encrypt user network traffic.
* D. Create TLS certificates for users' websites.

Question #143*Topic 1*

Which AWS service or tool can a company use to visualize, understand, and manage AWS spending and usage over time?

* A. AWS Trusted Advisor
* B. Amazon CloudWatch
* **C. Cost Explorer Most Voted**
* D. AWS Budgets

*AWS Cost Explorer has an easy-to-use interface that lets you visualize, understand, and manage your AWS costs and usage over time.*

Question #144*Topic 1*

A company wants to deploy some of its resources in the AWS Cloud. To meet regulatory requirements, the data must remain local and on premises. There must be low latency between AWS and the company resources.  
Which AWS service or feature can be used to meet these requirements?

* A. AWS Local Zones
* B. Availability Zones
* **C. AWS Outposts Most Voted**
* D. AWS Wavelength Zones

Question #145*Topic 1*

A company requires an isolated environment within AWS for security purposes.  
Which action can be taken to accomplish this?

* A. Create a separate Availability Zone to host the resources.
* **B. Create a separate VPC to host the resources. Most Voted**
* C. Create a placement group to host the resources.
* D. Create an AWS Direct Connect connection between the company and AWS.

Question #146*Topic 1*

Which AWS service is a highly available and scalable DNS web service?

* A. Amazon VPC
* B. Amazon CloudFront
* **C. Amazon Route 53 Most Voted**
* D. Amazon Connect

Question #147*Topic 1*

Which of the following is an AWS best practice for managing an AWS account root user?

* A. Keep the root user password with the security team.
* **B. Enable multi-factor authentication (MFA) for the root user. Most Voted**
* C. Create an access key for the root user. **Most Voted**
* D. Keep the root user password consistent for compliance purposes.

Question #148*Topic 1*

A company wants to improve its security and audit posture by limiting Amazon EC2 inbound access.  
What should the company use to access instances remotely instead of opening inbound SSH ports and managing SSH keys?

* A. EC2 key pairs
* **B. AWS Systems Manager Session Manager Most Voted**
* C. AWS Identity and Access Management (IAM)
* D. Network ACLs

*AWS Systems Manager Session Manager is a new interactive shell and CLI that helps to provide secure, access-controlled, and audited Windows and Linux EC2 instance management. Session Manager removes the need to open inbound ports, manage SSH keys, or use bastion hosts.*

Question #149*Topic 1*

After selecting an Amazon EC2 Dedicated Host reservation, which pricing option would provide the largest discount?

* A. No upfront payment
* B. Hourly on-demand payment
* C. Partial upfront payment
* **D. All upfront payment Most Voted**

Question #150*Topic 1*

A company has refined its workload to use specific AWS services to improve efficiency and reduce cost.  
Which best practice for cost governance does this example show?

* A. Resource controls
* B. Cost allocation
* **C. Architecture optimization Most Voted**
* D. Tagging enforcement

*Architecture optimization focuses on the need to continually refine workloads to be more cost-conscious to create better architected systems.*

Question #151*Topic 1*

A company would like to host its MySQL databases on AWS and maintain full control over the operating system, database installation, and configuration.  
Which AWS service should the company use to host the databases?

* A. Amazon RDS
* **B. Amazon EC2 Most Voted**
* C. Amazon DynamoDB
* D. Amazon Aurora

*Amazon EC2 is a compute service that allows you to rent virtual machines (VMs) on AWS. This means that you have full control over the operating system, database installation, and configuration.*

Question #152*Topic 1*

How does the AWS global infrastructure offer high availability and fault tolerance to its users?

* A. The AWS infrastructure is made up of multiple AWS Regions within various Availability Zones located in areas that have low flood risk, and are interconnected with low-latency networks and redundant power supplies.
* B. The AWS infrastructure consists of subnets containing various Availability Zones with multiple data centers located in the same geographic location.
* C. AWS allows users to choose AWS Regions and data centers so that users can select the closest data centers in different Regions.
* **D. The AWS infrastructure consists of isolated AWS Regions with independent Availability Zones that are connected with low-latency networking and redundant power supplies. Most Voted**

Question #153*Topic 1*

A company is using Amazon EC2 Auto Scaling to scale its Amazon EC2 instances.  
Which benefit of the AWS Cloud does this example illustrate?

* A. High availability **Most Voted**
* **B. Elasticity Most Voted**
* C. Reliability
* D. Global reach

Question #154*Topic 1*

Which AWS service or feature is used to send both text and email messages from distributed applications?

* **A. Amazon Simple Notification Service (Amazon SNS) Most Voted**
* B. Amazon Simple Email Service (Amazon SES)
* C. Amazon CloudWatch alerts
* D. Amazon Simple Queue Service (Amazon SQS)

Question #155*Topic 1*

A user is able to set up a master payer account to view consolidated billing reports through:

* A. AWS Budgets.
* B. Amazon Macie.
* C. Amazon QuickSight.
* **D. AWS Organizations. Most Voted**

Question #156*Topic 1*

According to the AWS shared responsibility model, which task is the customer's responsibility?

* A. Maintaining the infrastructure needed to run AWS Lambda
* B. Updating the operating system of Amazon DynamoDB instances
* C. Maintaining Amazon S3 infrastructure
* **D. Updating the guest operating system on Amazon EC2 instances Most Voted**

Question #157*Topic 1*

A company wants to migrate a small website and database quickly from on-premises infrastructure to the AWS Cloud. The company has limited operational knowledge to perform the migration.  
Which AWS service supports this use case?

* A. Amazon EC2
* **B. Amazon Lightsail Most Voted**
* C. Amazon S3
* D. AWS Lambda

*As it says small website and database with less operational knowledge its definitely Lightsail*

Question #158*Topic 1*

A company is moving multiple applications to a single AWS account. The company wants to monitor the AWS Cloud costs incurred by each application. What can the company do to meet this requirement?

* A. Set up invoiced billing.
* B. Use AWS Artifact.
* C. Set budgets in Cost Explorer.
* **D. Create cost allocation tags. Most Voted**

*Cost allocation tags are key-value pairs that can be assigned to AWS resources. They allow users to categorize and track costs based on specific attributes or dimensions,*

Question #159*Topic 1*

Which design principle is achieved by following the reliability pillar of the AWS Well-Architected Framework?

* A. Vertical scaling
* B. Manual failure recovery
* C. Testing recovery procedures **Most Voted**
* D. Changing infrastructure manually

Question #160*Topic 1*

A user needs to quickly deploy a non-relational database on AWS. The user does not want to manage the underlying hardware or the database software.  
Which AWS service can be used to accomplish this?

* A. Amazon RDS
* **B. Amazon DynamoDB Most Voted**
* C. Amazon Aurora
* D. Amazon Redshift

Question #161*Topic 1*

Which task is an AWS responsibility when a workload is running in Amazon RDS?

* A. Creating the database table
* B. Updating the database schema
* **C. Installing the database engine Most Voted**
* D. Dropping the database records

Question #162*Topic 1*

A development team wants to publish and manage web services that provide REST APIs.  
Which AWS service will meet this requirement?

* A. AWS App Mesh
* **B. Amazon API Gateway Most Voted**
* C. Amazon CloudFront
* D. AWS Cloud Map

Question #163*Topic 1*

A company has a social media platform in which users upload and share photos with other users. The company wants to identify and remove inappropriate photos. The company has no machine learning (ML) scientists and must build this detection capability with no ML expertise.  
Which AWS service should the company use to build this capability?

* A. Amazon SageMaker
* B. Amazon Textract
* **C. Amazon Rekognition Most Voted**
* D. Amazon Comprehend

Question #164*Topic 1*

Which responsibility belongs to AWS when a company hosts its databases on Amazon EC2 instances?

* A. Database backups
* B. Database software patches
* C. Operating system patches
* **D. Operating system installations. Most Voted**

*When you choose to use EC2 for your database, you first have to provision the EC2 instance, which means you will use an AMI, containing the OS itself which is then installed by AWS to the EC2. All the other tasks are your responsibility.*

Question #165*Topic 1*

A company wants to use Amazon S3 to store its legacy data. The data is rarely accessed. However, the data is critical and cannot be recreated. The data needs to be available for retrieval within seconds.  
Which S3 storage class meets these requirements MOST cost-effectively?

* A. S3 Standard
* B. S3 One Zone-Infrequent Access (S3 One Zone-IA)
* **C. S3 Standard-Infrequent Access (S3 Standard-IA) Most Voted**
* D. S3 Glacier

Question #166*Topic 1*

An online retail company wants to migrate its on-premises workload to AWS. The company needs to automatically handle a seasonal workload increase in a cost- effective manner.  
Which AWS Cloud features will help the company meet this requirement? (Choose two.)

* A. Cross-Region workload deployment
* **B. Pay-as-you-go pricing Most Voted**
* C. Built-in AWS CloudTrail audit capabilities
* **D. Auto Scaling policies Most Voted**
* E. Centralized logging

Question #167*Topic 1*

Which AWS service helps developers use loose coupling and reliable messaging between microservices?

* A. Elastic Load Balancing
* B. Amazon Simple Notification Service (Amazon SNS)
* C. Amazon CloudFront
* **D. Amazon Simple Queue Service (Amazon SQS) Most Voted**

Question #168*Topic 1*

A company needs to build an application that uses AWS services. The application will be delivered to residents in European Counties. The company must abide by regional regulatory requirements.  
Which AWS service or program should the company use to determine which AWS services meet the regional requirements?

* A. AWS Audit Manager
* B. AWS Shield
* **C. AWS Compliance Program Most Voted**
* D. AWS Artifact **Most Voted**

Question #169*Topic 1*

A company needs to implement identity management for a fleet of mobile apps that are running in the AWS Cloud.  
Which AWS service will meet this requirement?

* **A. Amazon Cognito Most Voted**
* B. AWS Security Hub
* C. AWS Shield
* D. AWS WAF

*Amazon Cognito lets you add user sign-up, sign-in, and access control to your web and mobile apps quickly and easily.*

Question #170*Topic 1*

A company needs an Amazon EC2 instance for a rightsized database server that must run constantly for 1 year.  
Which EC2 instance purchasing option will meet these requirements MOST cost-effectively?

* **A. Standard Reserved Instance Most Voted**
* B. Convertible Reserved Instance
* C. On-Demand Instance
* D. Spot Instance

Question #171*Topic 1*

A company has multiple applications and is now building a new multi-tier application. The company will host the new application on Amazon EC2 instances. The company wants the network routing and traffic between the various applications to follow the security principle of least privilege. Which AWS service or feature should the company use to enforce this principle?

* **A. Security groups Most Voted**
* B. AWS Shield
* C. AWS Global Accelerator
* D. AWS Direct Connect gateway

Question #172*Topic 1*

A company's web application requires AWS credentials and authorizations to use an AWS service.  
Which IAM entity should the company use as best practice?

* **A. IAM role Most Voted**
* B. IAM user
* C. IAM group
* D. IAM multi-factor authentication (MFA)

Question #173*Topic 1*

A company is creating a document that defines the operating system patch routine for all the company's systems.  
Which AWS resources should the company include in this document? (Choose two.)

* **A. Amazon EC2 instances Most VotedMost Voted**
* B. AWS Lambda functions
* C. AWS Fargate tasks
* **D. Amazon RDS instances Most Voted**
* E. Amazon Elastic Container Service (Amazon ECS) instances **Most Voted**

Question #174*Topic 1*

Which AWS service or feature gives a company the ability to control incoming traffic and outgoing traffic for Amazon EC2 instances?

* **A. Security groups Most Voted**
* B. Amazon Route 53
* C. AWS Direct Connect
* D. Amazon VPC

Question #175*Topic 1*

A company is starting to build its infrastructure in the AWS Cloud. The company wants access to technical support during business hours. The company also wants general architectural guidance as teams build and test new applications. Which AWS Support plan will meet these requirements at the LOWEST cost?

* A. AWS Basic Support
* **B. AWS Developer Support Most Voted**
* C. AWS Business Support
* D. AWS Enterprise Support

*We recommend AWS Developer Support if you are testing or doing early development on AWS and want the ability to get technical support during business hours as well as general architectural guidance as you build and test.*

Question #176*Topic 1*

A company is migrating its public website to AWS. The company wants to host the domain name for the website on AWS.  
Which AWS service should the company use to meet this requirement?

* A. AWS Lambda
* **B. Amazon Route 53 Most Voted**
* C. Amazon CloudFront
* D. AWS Direct Connect

Question #177*Topic 1*

A company needs to evaluate its AWS environment and provide best practice recommendations in five categories: cost, performance, service limits, fault tolerance, and security.  
Which AWS service can the company use to meet these requirements?

* A. AWS Shield
* B. AWS WAF
* **C. AWS Trusted Advisor Most Voted**
* D. AWS Service Catalog

Question #178*Topic 1*

Which AWS service provides the capability to view end-to-end performance metrics and troubleshoot distributed applications?

* A. AWS Cloud9
* B. AWS CodeStar
* C. AWS Cloud Map
* **D. AWS X-Ray Most Voted**

*AWS X-Ray is a service that helps developers analyze and debug distributed applications, such as those running on microservices architectures. It provides end-to-end visibility into requests as they travel across various components and services, allowing you to identify performance bottlenecks, troubleshoot issues, and optimize application performance.*

Question #179*Topic 1*

Which cloud computing benefit does AWS demonstrate with its ability to offer lower variable costs as a result of high purchase volumes?

* A. Pay-as-you-go pricing
* B. High availability
* C. Global reach
* **D. Economies of scale Most Voted**

*As a cloud service provider with a large customer base and high purchase volumes, AWS is able to achieve cost efficiencies through economies of scale.*

Question #180*Topic 1*

Which AWS service provides threat detection by monitoring for malicious activities and unauthorized actions to protect AWS accounts, workloads, and data that is stored in Amazon S3?

* A. AWS Shield
* B. AWS Firewall Manager
* **C. Amazon GuardDuty Most Voted**
* D. Amazon Inspector

Question #181*Topic 1*

Which AWS service can a company use to store and manage Docker images?

* A. Amazon DynamoDB
* B. Amazon Kinesis Data Streams
* **C. Amazon Elastic Container Registry (Amazon ECR) Most Voted**
* D. Amazon Elastic File System (Amazon EFS)

Question #182*Topic 1*

A company needs an automated security assessment report that will identify unintended network access to Amazon EC2 instances. The report also must identify operating system vulnerabilities on those instances.  
Which AWS service or feature should the company use to meet this requirement?

* A. AWS Trusted Advisor
* B. Security groups
* C. Amazon Macie
* **D. Amazon Inspector Most Voted**

Question #183*Topic 1*

A global company is building a simple time-tracking mobile app. The app needs to operate globally and must store collected data in a database. Data must be accessible from the AWS Region that is closest to the user.  
What should the company do to meet these data storage requirements with the LEAST amount of operational overhead?

* A. Use Amazon EC2 in multiple Regions to host separate databases
* B. Use Amazon RDS cross-Region replication
* **C. Use Amazon DynamoDB global tables Most Voted**
* D. Use AWS Database Migration Service (AWS DMS)

Question #184*Topic 1*

Which of the following are economic advantages of the AWS Cloud? (Choose two.)

* **A. Increased workforce productivity Most VotedMost Voted**
* B. Decreased need to encrypt user data
* C. Manual compliance audits
* D. Simplified total cost of ownership (TCO) accounting Most Voted
* **E. Faster product launches Most Voted**

Question #185*Topic 1*

Which controls does the customer fully inherit from AWS in the AWS shared responsibility model?

* A. Patch management controls
* B. Awareness and training controls
* **C. Physical and environmental controls Most Voted**
* D. Configuration management controls

Question #186*Topic 1*

Which task is a customer's responsibility, according to the AWS shared responsibility model?

* **A. Management of the guest operating systems Most Voted**
* B. Maintenance of the configuration of infrastructure devices
* C. Management of the host operating systems and virtualization
* D. Maintenance of the software that powers Availability Zones

Question #187*Topic 1*

A company needs to deliver new website features quickly in an iterative manner to minimize the time to market.  
Which AWS Cloud concept does this requirement represent?

* A. Reliability
* B. Elasticity
* **C. Agility Most Voted**
* D. High availability

Question #188*Topic 1*

A company wants to increase its ability to recover its infrastructure in the case of a natural disaster.  
Which pillar of the AWS Well-Architected Framework does this ability represent?

* A. Cost optimization
* B. Performance efficiency
* **C. Reliability Most Voted**
* D. Security

Question #189*Topic 1*

Which AWS service tracks API calls and user activity?

* A. AWS Organizations
* B. AWS Config
* C. Amazon CloudWatch
* **D. AWS CloudTrail Most Voted**

Question #190*Topic 1*

Which AWS service, feature, or tool uses machine learning to continuously monitor cost and usage for unusual cloud spending?

* A. Amazon Lookout for Metrics
* B. AWS Budgets
* C. Amazon CloudWatch
* **D. AWS Cost Anomaly Detection Most Voted**

*AWS Cost Anomaly Detection is an AWS cost management feature that uses machine learning to continually monitor your cost and usage to detect unusual spends.*

Question #191*Topic 1*

A company deployed an application on an Amazon EC2 instance. The application ran as expected for 6 months in the past week, users have reported latency issues. A system administrator found that the CPU utilization was at 100% during business hours. The company wants a scalable solution to meet demand.  
Which AWS service or feature should the company use to handle the load for its application during periods of high demand?

* **A. Auto Scaling groups Most Voted**
* B. AWS Global Accelerator
* C. Amazon Route 53
* D. An Elastic IP address

Question #192*Topic 1*

A company wants to migrate to AWS and use the same security software it uses on premises. The security software vendor offers its security software as a service on AWS.  
Where can the company purchase the security solution?

* A. AWS Partner Solutions Finder
* B. AWS Support Center
* C. AWS Management Console
* **D. AWS Marketplace Most Voted**

Question #193*Topic 1*

A company is generating large sets of critical data in its on-premises data center. The company needs to securely transfer the data to AWS for processing. These transfers must occur daily over a dedicated connection.  
Which AWS service should the company use to meet these requirements?

* A. AWS Backup
* B. AWS DataSync **Most Voted**
* **C. AWS Direct Connect Most Voted**
* D. AWS Snowball

Question #194*Topic 1*

A company wants to run production workloads on AWS. The company wants access to technical support from engineers 24 hours a day, 7 days a week. The company also wants access to the AWS Health API and contextual architectural guidance for business use cases. The company has a strong IT support team and does not need concierge support.  
Which AWS Support plan will meet these requirements at the LOWEST cost?

* A. AWS Basic Support
* B. AWS Developer Support
* **C. AWS Business Support Most Voted**
* D. AWS Enterprise Support

*AWS Business Support offers 24/7 access to AWS Support engineers through email, chat, and phone. It provides access to the AWS Health API, allowing the company to programmatically retrieve information about the health of AWS services. Additionally, AWS Business Support offers general architectural guidance to help with business use cases.*

Question #195*Topic 1*

Which of the following is a managed AWS service that is used specifically for extract, transform, and load (ETL) data?

* A. Amazon Athena
* **B. AWS Glue Most Voted**
* C. Amazon S3
* D. AWS Snowball Edge

*Glue == stick 3 things together: Extract, transform, load (ETL)*

Question #196*Topic 1*

Which of the following actions are controlled with AWS Identity and Access Management (IAM)? (Choose two.)

* **A. Control access to AWS service APIs and to other specific resources. Most Voted**
* B. Provide intelligent threat detection and continuous monitoring.
* **C. Protect the AWS environment using multi-factor authentication (MFA). Most Voted**
* D. Grant users access to AWS data centers.
* E. Provide firewall protection for applications from common web attacks.

Question #197*Topic 1*

Which of the following are shared controls that apply to both AWS and the customer, according to the AWS shared responsibility model? (Choose two.)

* **A. Resource configuration management Most Voted**
* B. Network data integrity
* **C. Employee awareness and training Most Voted**
* D. Physical and environmental security
* E. Replacement and disposal of disk drives

Question #198*Topic 1*

What information is found on an AWS Identity and Access Management (IAM) credential report? (Choose two.)

* **A. The date and time when an IAM user's password was last used to sign in to the AWS Management Console. Most**
* B. The type of multi-factor authentication (MFA) device assigned to an IAM user.
* C. The User-Agent browser identifier for each IAM user currently logged in.
* **D. Whether multi-factor authentication (MFA) has been enabled for an IAM user. Most Voted**
* E. The number of incorrect login attempts by each IAM user in the previous 30 days.

Question #199*Topic 1*

What is the LEAST expensive AWS Support plan that contains a full set of AWS Trusted Advisor best practice checks?

* A. AWS Enterprise Support
* **B. AWS Business Support Most Voted**
* C. AWS Developer Support
* D. AWS Basic Support

Question #200*Topic 1*

Which AWS service provides domain registration, DNS routing, and service health checks?

* A. AWS Direct Connect
* **B. Amazon Route 53 Most Voted**
* C. Amazon CloudFront
* D. Amazon API Gateway

Question #201*Topic 1*

A bank needs to store recordings of calls made to its contact center for 6 years. The recordings must be accessible within 48 hours from the time they are requested.  
Which AWS service will provide a secure and cost-effective solution for retaining these files?

* A. Amazon DynamoDB
* B. Amazon S3 Glacier **Most Voted**
* C. Amazon Connect
* D. Amazon ElastiCache

[Hide Solution](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/) [Discussion   **44**](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

B (90%)

10%

Question #202*Topic 1*

Which AWS service should be used to migrate a company's on-premises MySQL database to Amazon RDS?

* A. AWS Direct Connect
* B. AWS Server Migration Service (AWS SMS)
* C. AWS Database Migration Service (AWS DMS) **Most Voted**
* D. AWS Schema Conversion Tool (AWS SCT)

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

C (100%)

Question #203*Topic 1*

Which benefits does a company gain when the company moves from on-premises IT architecture to the AWS Cloud? (Choose two.)

* A. Reduced or eliminated tasks for hardware troubleshooting, capacity planning, and procurement **Most Voted**
* B. Elimination of the need for trained IT staff
* C. Automatic security configuration of all applications that are migrated to the cloud
* D. Elimination of the need for disaster recovery planning
* E. Faster deployment of new features and applications **Most Voted**

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**Correct Answer:** *AE* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

AE (100%)

Question #204*Topic 1*

Which of the following is a benefit of decoupling an AWS Cloud architecture?

* A. Reduced latency
* B. Ability to upgrade components independently **Most Voted**
* C. Decreased costs
* D. Fewer components to manage

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

B (100%)

Question #205*Topic 1*

Which task is the responsibility of the customer according to the AWS shared responsibility model?

* A. Maintain the security of the hardware that runs Amazon EC2 instances.
* B. Patch the guest operating system of Amazon EC2 instances. **Most Voted**
* C. Protect the security of the AWS global infrastructure.
* D. Patch Amazon RDS software.

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

B (100%)

Question #206*Topic 1*

Which AWS Organizations feature can be used to track charges across multiple accounts and report the combined cost?

* A. Service control policies (SCPs)
* B. Cost Explorer
* C. Consolidated billing **Most Voted**
* D. AWS Identity and Access Management (IAM)

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

C (100%)

Question #207*Topic 1*

Which of the following is a cloud benefit that AWS offers to its users?

* A. The ability to configure AWS data center hypervisors
* B. The ability to purchase hardware in advance of increased traffic
* C. The ability to deploy to AWS on a global scale **Most Voted**
* D. Compliance audits for user IT environments

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

C (100%)

Question #208*Topic 1*

An ecommerce company has migrated its IT infrastructure from an on-premises data center to the AWS Cloud.  
Which cost is the company's direct responsibility?

* A. Cost of application software licenses **Most Voted**
* B. Cost of the hardware infrastructure on AWS
* C. Cost of power for the AWS servers
* D. Cost of physical security for the AWS data center

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**Correct Answer:** *A* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

A (100%)

Question #209*Topic 1*

What are the five pillars of the AWS Well-Architected Framework?

* A. Encryption, documentation, speed, hybrid design, and cost optimization
* B. Containerization, cost margins, globalization, marketplace, and developer operations
* C. Network, compute, storage, security, and developer operations
* D. Operational excellence, reliability, performance efficiency, security, and cost optimization **Most Voted**

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**Correct Answer:** *D* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

D (100%)

Question #210*Topic 1*

A company accepts enrollment applications on handwritten paper forms. The company uses a manual process to enter the form data into its backend systems.  
The company wants to automate the process by scanning the forms and capturing the enrollment data from scanned PDF files.  
Which AWS service should the company use to build this process?

* A. Amazon Rekognition
* B. Amazon Textract **Most Voted**
* C. Amazon Transcribe
* D. Amazon Comprehend

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/21/)

*Community vote distribution*

B (100%)

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Question #211*Topic 1*

Which AWS service should a company use to organize, characterize, and search large numbers of images?

* A. Amazon Transcribe
* B. Amazon Rekognition **Most Voted**
* C. Amazon Aurora
* D. Amazon QuickSight

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

B (100%)

Question #212*Topic 1*

An ecommerce company wants to use Amazon EC2 Auto Scaling to add and remove EC2 instances based on CPU utilization.  
Which AWS service or feature can initiate an Amazon EC2 Auto Scaling action to achieve this goal?

* A. Amazon Simple Queue Service (Amazon SQS)
* B. Amazon Simple Notification Service (Amazon SNS)
* C. AWS Systems Manager
* D. Amazon CloudWatch alarm **Most Voted**

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

D (96%)

4%

Question #213*Topic 1*

A company wants to host a private version control system for its application code in the AWS Cloud.  
Which AWS service should the company use to meet this requirement?

* A. AWS CodePipeline
* B. AWS CodeStar
* C. AWS CodeCommit **Most Voted**
* D. AWS CodeDeploy

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

C (100%)

Question #214*Topic 1*

Which AWS service or tool can a company set up to send notifications that a custom spending threshold has been reached or exceeded?

* A. AWS Budgets **Most Voted**
* B. AWS Trusted Advisor
* C. AWS CloudTrail
* D. AWS Support

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**Correct Answer:** *A* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

A (100%)

Question #215*Topic 1*

Which AWS service is used to host static websites?

* A. Amazon S3 **Most Voted**
* B. Amazon Elastic Block Store (Amazon EBS)
* C. AWS CloudFormation
* D. Amazon Elastic File System (Amazon EFS)

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**Correct Answer:** *A* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

A (100%)

Question #216*Topic 1*

Which AWS service contains built-in engines to protect web applications that run in the cloud from SQL injection attacks and cross-site scripting?

* A. AWS WAF **Most Voted**
* B. AWS Shield Advanced
* C. Amazon GuardDuty
* D. Amazon Detective

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**Correct Answer:** *A* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

A (95%)

5%

Question #217*Topic 1*

A company owns per-core software licenses.  
Which Amazon EC2 instance purchasing option must the company use for this license type?

* A. Reserved Instances
* B. Dedicated Hosts **Most Voted**
* C. Spot Instances
* D. Dedicated Instances

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**Correct Answer:** *A* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

B (90%)

10%

Question #218*Topic 1*

A company needs to set up user authentication for a new application. Users must be able to sign in directly with a user name and password, or through a third- party provider.  
Which AWS service should the company use to meet these requirements?

* A. AWS Single Sign-On
* B. AWS Signer
* C. Amazon Cognito **Most Voted**
* D. AWS Directory Service

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

C (94%)

6%

Question #219*Topic 1*

A company's IT team is managing MySQL database server clusters. The IT team has to patch the database and take backup snapshots of the data in the clusters.  
The company wants to move this workload to AWS so that these tasks will be completed automatically.  
What should the company do to meet these requirements?

* A. Deploy MySQL database server clusters on Amazon EC2 instances.
* B. Use Amazon RDS with a MySQL database. **Most Voted**
* C. Use an AWS CloudFormation template to deploy MySQL database servers on Amazon EC2 instances.
* D. Migrate all the MySQL database data to Amazon S3.

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

B (100%)

Question #220*Topic 1*

What is the primary use case for Amazon GuardDuty?

* A. Prevention of DDoS attacks
* B. Protection against SQL injection attacks
* C. Automatic monitoring for threats to AWS workloads **Most Voted**
* D. Automatic provisioning of AWS resources

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/22/)

*Community vote distribution*

C (100%)

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Question #221*Topic 1*

Which statements explain the business value of migration to the AWS Cloud? (Choose two.)

* A. The migration of enterprise applications to the AWS Cloud makes these applications automatically available on mobile devices.
* B. AWS availability and security provide the ability to improve service level agreements (SLAs) while reducing risk and unplanned downtime. **Most Voted**
* C. Companies that migrate to the AWS Cloud eliminate the need to plan for high availability and disaster recovery.
* D. Companies that migrate to the AWS Cloud reduce IT costs related to infrastructure, freeing budget for reinvestment in other areas. **Most Voted**
* E. Applications are modernized because migration to the AWS Cloud requires companies to rearchitect and rewrite all enterprise applications.

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**Correct Answer:** *CD* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)

*Community vote distribution*

BD (100%)

Question #222*Topic 1*

A company needs to identify personally identifiable information (PII), such as credit card numbers, from data that is stored in Amazon S3.  
Which AWS service should the company use to meet this requirement?

* A. Amazon Inspector
* B. AWS Shield
* C. Amazon GuardDuty
* D. Amazon Macie **Most Voted**

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**Correct Answer:** *D* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://aws.amazon.com/macie/

*Community vote distribution*

D (100%)

Question #223*Topic 1*

Which AWS services or tools are designed to protect a workload from SQL injections, cross-site scripting, and DDoS attacks? (Choose two.)

* A. VPC endpoint
* B. Virtual private gateway
* C. AWS Shield Standard **Most Voted**
* D. AWS Config
* E. AWS WAF **Most Voted**

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://aws.amazon.com/waf/  
https://aws.amazon.com/shield/?whats-new-cards.sort-by=item.additionalFields.postDateTime&whats-new-cards.sort-order=desc

*Community vote distribution*

E (56%)

C (44%)

Question #224*Topic 1*

A company wants to forecast future costs and usage of AWS resources based on past consumption.  
Which AWS service or tool will provide this forecast?

* A. AWS Cost and Usage Report
* B. Amazon Forecast
* C. AWS Pricing Calculator
* D. Cost Explorer **Most Voted**

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**Correct Answer:** *D* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://docs.aws.amazon.com/cost-management/latest/userguide/ce-forecast.html

*Community vote distribution*

D (90%)

5%

Question #225*Topic 1*

Which AWS services use cloud-native storage that provides replication across multiple Availability Zones by default? (Choose two.)

* A. Amazon ElastiCache
* B. Amazon RDS for Oracle **Most Voted**
* C. Amazon Neptune **Most VotedMost Voted**
* D. Amazon DocumentDB (with MongoDB compatibility) **Most Voted**
* E. Amazon Redshift **Most VotedMost Voted**

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**Correct Answer:** *CD* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://docs.aws.amazon.com/documentdb/latest/developerguide/replication.html https://docs.aws.amazon.com/neptune/latest/userguide/feature-overview-storage.html

*Community vote distribution*

CD (45%)

CE (33%)

12%

8%

Question #226*Topic 1*

Which AWS services are serverless? (Choose two.)

* A. AWS Fargate **Most Voted**
* B. Amazon Managed Streaming for Apache Kafka
* C. Amazon EMR
* D. Amazon S3 **Most Voted**
* E. Amazon EC2

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**Correct Answer:** *AD* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://aws.amazon.com/serverless/?nc2=h\_ql\_prod\_serv\_s

*Community vote distribution*

AD (91%)

9%

Question #227*Topic 1*

Which task is the responsibility of AWS, according to the AWS shared responsibility model?

* A. Apply guest operating system patches to Amazon EC2 instances.
* B. Provide monitoring of human resources information management (HRIM) systems.
* C. Perform automated backups of Amazon RDS instances. **Most Voted**
* D. Optimize the costs of running AWS services.

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/UsingWithRDS.html

*Community vote distribution*

C (100%)

Question #228*Topic 1*

A company needs to deploy a PostgreSQL database into Amazon RDS. The database must be highly available and fault tolerant.  
Which AWS solution should the company use to meet these requirements?

* A. Amazon RDS with a single Availability Zone
* B. Amazon RDS snapshots
* C. Amazon RDS with multiple Availability Zones **Most Voted**
* D. AWS Database Migration Service (AWS DMS)

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**Correct Answer:** *C* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://aws.amazon.com/rds/features/multi-az/

*Community vote distribution*

C (100%)

Question #229*Topic 1*

A company wants to add facial identification to its user verification process on an application.  
Which AWS service should the company use to meet this requirement?

* A. Amazon Polly
* B. Amazon Transcribe
* C. Amazon Lex
* D. Amazon Rekognition **Most Voted**

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**Correct Answer:** *D* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)

*Community vote distribution*

D (100%)

Question #230*Topic 1*

A company wants the ability to quickly upload its applications to the AWS Cloud without needing to provision underlying resources.  
Which AWS service will meet these requirements?

* A. AWS CloudFormation
* B. AWS Elastic Beanstalk **Most Voted**
* C. AWS CodeDeploy
* D. AWS CodeCommit

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**Correct Answer:** *B* [🗳️](https://www.examtopics.com/exams/amazon/aws-certified-cloud-practitioner/view/23/)  
Reference:  
https://docs.aws.amazon.com/elasticbeanstalk/latest/dg/Welcome.html

*Community vote distribution*

B (100%)

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