

# Pass SAP-C02 Solutions Architect Professional Exam: Study Tips & Resources!

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**AWS SOLUTIONS ARCHITECT PROFESSIONAL  
CERTIFICATION QUESTIONS & ANSWERS**

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**SAP-C02**

**[AWS Certified Solutions Architect - Professional](#)**

**75 Questions Exam – 750 / 1000 Cut Score – Duration of 180 minutes**

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## Get Ready for the SAP-C02 Exam:

Prepare effectively for the SAP-C02 exam using reliable [study strategies and methods](#). Enhance your preparedness, deepen your understanding of the Professional, and enhance your likelihood of achieving success in the AWS Certified Solutions Architect - Professional with our comprehensive guide. Embark on your path to exam excellence today.

## Know More About the AWS Certified Solutions Architect - Professional Certification:

<b>Exam Name</b>	AWS Solutions Architect Professional
<b>Exam Code</b>	SAP-C02
<b>Exam Price</b>	\$300 USD
<b>Duration</b>	180 minutes
<b>Number of Questions</b>	75
<b>Passing Score</b>	750 / 1000
<b>Recommended Training / Books</b>	<a href="#">Advanced Architecting on AWS</a>
<b>Schedule Exam</b>	<a href="#">AWS Certification</a>
<b>Sample Questions</b>	<a href="#">AWS SAP-C02 Sample Questions</a>
<b>Recommended Practice</b>	<a href="#">AWS Certified Solutions Architect - Professional Practice Test</a>

## Learn More About the SAP-C02 Syllabus:

Section	Objectives
<b>Design Solutions for Organizational Complexity - 26%</b>	
<b>Architect network connectivity strategies.</b>	Knowledge of: <ul style="list-style-type: none"><li>• AWS global infrastructure</li><li>• AWS networking concepts (for example, Amazon VPC, AWS Direct Connect, AWS VPN, transitive routing, AWS container services)</li><li>• Hybrid DNS concepts (for example, Amazon Route 53</li></ul>

Section	Objectives
	<p>Resolver, on-premises DNS integration)</p> <ul style="list-style-type: none"> <li>• Network segmentation (for example, subnetting, IP addressing, connectivity among VPCs)</li> <li>• Network traffic monitoring</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Evaluating connectivity options for multiple VPCs</li> <li>• Evaluating connectivity options for on-premises, co-location, and cloud integration</li> <li>• Selecting AWS Regions and Availability Zones based on network and latency requirements</li> <li>• Troubleshooting traffic flows by using AWS tools</li> <li>• Using service endpoints for service integrations</li> </ul>
<b>Prescribe security controls.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• AWS Identity and Access Management (IAM) and AWS IAM Identity Center (AWS Single Sign-On)</li> <li>• Route tables, security groups, and network ACLs</li> <li>• Encryption keys and certificate management (for example, AWS Key Management Service [AWS KMS], AWS Certificate Manager [ACM])</li> <li>• AWS security, identity, and compliance tools (for example, AWS CloudTrail, AWS Identity and Access Management Access Analyzer, AWS Security Hub, Amazon Inspector)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Evaluating cross-account access management</li> <li>• Integrating with third-party identity providers</li> <li>• Deploying encryption strategies for data at rest and data in transit</li> <li>• Developing a strategy for centralized security event notifications and auditing</li> </ul>
<b>Design reliable and resilient architectures.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• Recovery time objectives (RTOs) and recovery point objectives (RPOs)</li> <li>• Disaster recovery strategies (for example, using AWS Elastic Disaster Recovery, pilot light, warm standby, and multi-site)</li> </ul>

Section	Objectives
	<ul style="list-style-type: none"> <li>Data backup and restoration</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Designing disaster recovery solutions based on RTO and RPO requirements</li> <li>Implementing architectures to automatically recover from failure</li> <li>Developing the optimal architecture by considering scale-up and scale-out options</li> <li>Designing an effective backup and restoration strategy</li> </ul>
<b>Design a multi-account AWS environment.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>AWS Organizations and AWS Control Tower</li> <li>Multi-account event notifications</li> <li>AWS resource sharing across environments</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Evaluating the most appropriate account structure for organizational requirements</li> <li>Recommending a strategy for central logging and event notifications</li> <li>Developing a multi-account governance model</li> </ul>
<b>Determine cost optimization and visibility strategies.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>AWS cost and usage monitoring tools (for example, AWS Trusted Advisor, AWS Pricing Calculator, AWS Cost Explorer, AWS Budgets)</li> <li>AWS purchasing options (for example, Reserved Instances, Savings Plans, Spot Instances)</li> <li>AWS rightsizing visibility tools (for example, AWS Compute Optimizer, Amazon S3 Storage Lens)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Monitoring cost and usage with AWS tools</li> <li>Developing an effective tagging strategy that maps costs to business units</li> <li>Understanding how purchasing options affect cost and performance</li> </ul>

Section	Objectives
<b>Design for New Solutions - 29%</b>	
<b>Design a deployment strategy to meet business requirements.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• Infrastructure as code (IaC) (for example, AWS CloudFormation)</li> <li>• Continuous integration and continuous delivery (CI/CD)</li> <li>• Change management processes</li> <li>• Configuration management tools (for example, AWS Systems Manager)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Determining an application or upgrade path for new services and features</li> <li>• Selecting services to develop deployment strategies and implement appropriate rollback mechanisms</li> <li>• Adopting managed services as needed to reduce infrastructure provisioning and patching overhead</li> <li>• Making advanced technologies accessible by delegating complex development and deployment tasks to AWS</li> </ul>
<b>Design a solution to ensure business continuity.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• AWS global infrastructure</li> <li>• AWS networking concepts (for example, Route 53, routing methods)</li> <li>• RTOs and RPOs</li> <li>• Disaster recovery scenarios (for example, backup and restore, pilot light, warm standby, multi-site)</li> <li>• Disaster recovery solutions on AWS</li> </ul> <p>Skills in:</p>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Configuring disaster recovery solutions</li> <li>• Configuring data and database replication</li> <li>• Performing disaster recovery testing</li> <li>• Architecting a backup solution that is automated, is cost-effective, and supports business continuity across multiple Availability Zones or Regions</li> <li>• Designing an architecture that provides application and infrastructure availability in the event of a disruption</li> <li>• Using processes and components for centralized monitoring to proactively recover from system failures</li> </ul>
<b>Determine security controls based on requirements.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• IAM</li> <li>• Route tables, security groups, and network ACLs</li> <li>• Encryption options for data at rest and data in transit</li> <li>• AWS service endpoints</li> <li>• Credential management services</li> <li>• AWS managed security services (for example, AWS Shield, AWS WAF, Amazon GuardDuty, AWS Security Hub)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Specifying IAM users and IAM roles that adhere to the principle of least privilege access</li> <li>• Specifying inbound and outbound network flows by using security group rules and network ACL rules</li> <li>• Developing attack mitigation strategies for large-scale web applications</li> <li>• Developing encryption strategies for data at rest and data in transit</li> </ul>

Section	Objectives
	<ul style="list-style-type: none"> <li>Specifying service endpoints for service integrations</li> <li>Developing strategies for patch management to remain compliant with organizational standards</li> </ul>
<b>Design a strategy to meet reliability requirements.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>AWS global infrastructure</li> <li>AWS storage services and replication strategies (for example Amazon S3, Amazon RDS, Amazon ElastiCache)</li> <li>Multi-AZ and multi-Region architectures</li> <li>Auto scaling policies and events</li> <li>Application integration (for example, Amazon Simple Notification Service [Amazon SNS], Amazon Simple Queue Service [Amazon SQS], AWS Step Functions)</li> <li>Service quotas and limits</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Designing highly available application environments based on business requirements</li> <li>Using advanced techniques to design for failure and ensure seamless system recoverability</li> <li>Implementing loosely coupled dependencies</li> <li>Operating and maintaining high-availability architectures (for example, application failovers, database failovers)</li> <li>Using AWS managed services for high availability</li> <li>Implementing DNS routing policies (for example, Route 53 latency-based routing, geolocation routing, simple routing)</li> </ul>
<b>Design a solution to meet performance objectives.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>Performance monitoring technologies</li> </ul>



Section	Objectives
	<ul style="list-style-type: none"> <li>Storage options on AWS</li> <li>Instance families and use cases</li> <li>Purpose-built databases</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Designing large-scale application architectures for a variety of access patterns</li> <li>Designing an elastic architecture based on business objectives</li> <li>Applying design patterns to meet performance objectives with caching, buffering, and replicas</li> <li>Developing a process methodology for selecting purpose-built services for required tasks</li> <li>Designing a rightsizing strategy</li> </ul>
<b>Determine a cost optimization strategy to meet solution goals and objectives.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>AWS cost and usage monitoring tools (for example, Cost Explorer, Trusted Advisor, AWS Pricing Calculator)</li> <li>Pricing models (for example, Reserved Instances, Savings Plans)</li> <li>Storage tiering</li> <li>Data transfer costs</li> <li>AWS managed service offerings</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Identifying opportunities to select and rightsize infrastructure for cost-effective resources</li> <li>Identifying appropriate pricing models</li> <li>Performing data transfer modeling and selecting services to reduce data transfer costs</li> <li>Developing a strategy and implementing controls for</li> </ul>

Section	Objectives
	expenditure and usage awareness
<b>Continuous Improvement for Existing Solutions - 25%</b>	
<b>Determine a strategy to improve overall operational excellence.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>Alerting and automatic remediation strategies</li> <li>Disaster recovery planning</li> <li>Monitoring and logging solutions (for example, Amazon CloudWatch)</li> <li>CI/CD pipelines and deployment strategies (for example, blue/green, all-at-once, rolling)</li> <li>Configuration management tools (for example, Systems Manager)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Determining the most appropriate logging and monitoring strategy</li> <li>Evaluating current deployment processes for improvement opportunities</li> <li>Prioritizing opportunities for automation within a solution stack</li> <li>Recommending the appropriate AWS solution to enable configuration management automation</li> <li>Engineering failure scenario activities to support and exercise an understanding of recovery actions</li> </ul>
<b>Determine a strategy to improve security.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>Data retention, data sensitivity, and data regulatory requirements</li> <li>Automated monitoring and remediation strategies (for example, AWS Config rules)</li> <li>Secrets management (for example, Systems Manager, AWS Secrets Manager)</li> </ul>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Principle of least privilege access</li> <li>• Security-specific AWS solutions</li> <li>• Patching practices</li> <li>• Backup practices and methods</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Evaluating a strategy for the secure management of secrets and credentials</li> <li>• Auditing an environment for least privilege access</li> <li>• Reviewing implemented solutions to ensure security at every layer</li> <li>• Reviewing comprehensive traceability of users and services</li> <li>• Prioritizing automated responses to the detection of vulnerabilities</li> <li>• Designing and implementing a patch and update process</li> <li>• Designing and implementing a backup process</li> <li>• Employing remediation techniques</li> </ul>
<b>Determine a strategy to improve performance.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• High-performing systems architectures (for example, auto scaling, instance fleets, placement groups)</li> <li>• Global service offerings (for example, AWS Global Accelerator, Amazon CloudFront, edge computing services)</li> <li>• Monitoring tool sets and services (for example, CloudWatch)</li> <li>• Service level agreements (SLAs) and key performance indicators (KPIs)</li> </ul> <p>Skills in:</p>

Section	Objectives
	<ul style="list-style-type: none"> <li>• Translating business requirements to measurable metrics</li> <li>• Testing potential remediation solutions and making recommendations</li> <li>• Proposing opportunities for the adoption of new technologies and managed services</li> <li>• Assessing solutions and applying rightsizing based on requirements</li> <li>• Identifying and examining performance bottlenecks</li> </ul>
<b>Determine a strategy to improve reliability.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• AWS global infrastructure</li> <li>• Data replication methods</li> <li>• Scaling methodologies (for example, load balancing, auto scaling)</li> <li>• High availability and resiliency</li> <li>• Disaster recovery methods and tools</li> <li>• Service quotas and limits</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Understanding application growth and usage trends</li> <li>• Evaluating existing architecture to determine areas that are not sufficiently reliable</li> <li>• Remediating single points of failure</li> <li>• Enabling data replication, self-healing, and elastic features and services</li> </ul>
<b>Identify opportunities for cost optimizations.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• Cost-conscious architecture choices (for example, using Spot Instances, scaling policies, and rightsizing resources)</li> <li>• Price model adoptions (for example, Reserved</li> </ul>

Section	Objectives
	<p>Instances, Savings Plans)</p> <ul style="list-style-type: none"> <li>Networking and data transfer costs</li> <li>Cost management, alerting, and reporting</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Analyzing usage reports to identify underutilized and overutilized resources</li> <li>Using AWS solutions to identify unused resources</li> <li>Designing billing alarms based on expected usage patterns</li> <li>Investigating AWS Cost and Usage Reports at a granular level</li> <li>Using tagging for cost allocation and reporting</li> </ul>
<b>Accelerate Workload Migration and Modernization - 20%</b>	
<b>Select existing workloads and processes for potential migration.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>Migration assessment and tracking tools (for example, AWS Migration Hub)</li> <li>Portfolio assessment</li> <li>Asset planning</li> <li>Prioritization and migration of workloads (for example, wave planning)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Completing an application migration assessment</li> <li>Evaluating applications according to the seven common migration strategies (7Rs)</li> <li>Evaluating total cost of ownership (TCO)</li> </ul>
<b>Determine the optimal migration approach for existing</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>Data migration options and tools (for example, AWS DataSync, AWS Transfer Family, AWS Snow Family, S3</li> </ul>

Section	Objectives
<b>workloads.</b>	<p>Transfer Acceleration)</p> <ul style="list-style-type: none"> <li>• Application migration tools (for example, AWS Application Discovery Service, AWS Application Migration Service)</li> <li>• AWS networking services and DNS (for example, Direct Connect, AWS Site-to-Site VPN, Route 53)</li> <li>• Identity services (for example, IAM Identity Center, AWS Directory Service)</li> <li>• Database migration tools (for example, AWS Database Migration Service [AWS DMS], AWS Schema Conversion Tool [AWS SCT])</li> <li>• Governance tools (for example, AWS Control Tower, Organizations)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>• Selecting the appropriate database transfer mechanism</li> <li>• Selecting the appropriate application transfer mechanism</li> <li>• Selecting the appropriate data transfer service and migration strategy</li> <li>• Applying the appropriate security methods to migration tools</li> <li>• Selecting the appropriate governance model</li> </ul>
<b>Determine a new architecture for existing workloads.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>• Compute services (for example, Amazon EC2, AWS Elastic Beanstalk)</li> <li>• Containers (for example, Amazon Elastic Container Service [Amazon ECS], Amazon Elastic Kubernetes Service [Amazon EKS], AWS Fargate, Amazon Elastic Container Registry [Amazon ECR])</li> <li>• AWS storage services (for example, Amazon Elastic</li> </ul>

Section	Objectives
	<p>Block Store [Amazon EBS], Amazon Elastic File System [Amazon EFS], Amazon FSx, Amazon S3, Volume Gateway)</p> <ul style="list-style-type: none"> <li>Databases (for example, Amazon DynamoDB, Amazon OpenSearch Service, Amazon RDS, self-managed databases on Amazon EC2)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Selecting the appropriate compute platform</li> <li>Selecting the appropriate container hosting platform</li> <li>Selecting the appropriate storage service</li> <li>Selecting the appropriate database platform</li> </ul>
<b>Determine opportunities for modernization and enhancements.</b>	<p>Knowledge of:</p> <ul style="list-style-type: none"> <li>Serverless compute offerings (for example, AWS Lambda)</li> <li>Containers (for example, Amazon ECS, Amazon EKS, Fargate)</li> <li>AWS storage services (for example, Amazon S3, Amazon EFS)</li> <li>Purpose-built databases (for example, DynamoDB, Amazon Aurora Serverless, ElastiCache)</li> <li>Integration services (for example, Amazon SQS, Amazon SNS, Amazon EventBridge, Step Functions)</li> </ul> <p>Skills in:</p> <ul style="list-style-type: none"> <li>Identifying opportunities to decouple application components</li> <li>Identifying opportunities for serverless solutions</li> <li>Selecting the appropriate service for containers</li> <li>Identifying opportunities for purpose-built databases</li> <li>Selecting the appropriate application integration service</li> </ul>

## Prepare with SAP-C02 Sample Questions:

### Question: 1

A team is building an HTML form that is hosted in a public Amazon S3 bucket. The form uses JavaScript to post data to an Amazon API Gateway API endpoint.

The API endpoint is integrated with AWS Lambda functions. The team has tested each method in the API Gateway console and has received valid responses.

Which combination of steps must the team complete so that the form can successfully post to the API endpoint and receive a valid response?

(Select TWO.)

- a) Configure the S3 bucket to allow cross-origin resource sharing (CORS).
- b) Host the form on Amazon EC2 rather than Amazon S3.
- c) Request a limit increase for API Gateway.
- d) Enable cross-origin resource sharing (CORS) in API Gateway.
- e) Configure the S3 bucket for web hosting.

**Answer: d, e**

### Question: 2

A company has deployed a multi-tier web application in the AWS Cloud. The application consists of the following tiers:

- A Windows-based web tier that is hosted on Amazon EC2 instances with Elastic IP addresses
- A Linux-based application tier that is hosted on EC2 instances that run behind an Application Load Balancer (ALB) that uses path-based routing
- A MySQL database that runs on a Linux EC2 instance

All the EC2 instances are using Intel-based x86 CPUs. A solutions architect needs to modernize the infrastructure to achieve better performance. The solution must minimize the operational overhead of the application.

Which combination of actions should the solutions architect take to meet these requirements?

(Select TWO.)

- a) Run the MySQL database on multiple EC2 instances.
- b) Place the web tier instances behind an ALB.
- c) Migrate the MySQL database to Amazon Aurora Serverless.
- d) Migrate all EC2 instance types to Graviton2.
- e) Replace the ALB for the application tier instances with a company-managed load balancer.

**Answer: b, c**



**Question: 3**

A company operates an ecommerce application on Amazon EC2 instances behind an Application Load Balancer. The instances run in an Amazon EC2 Auto Scaling group across multiple Availability Zones. After an order is successfully processed, the application immediately posts order data to a third-party affiliate's external tracking system that pays sales commissions for order referrals.

During a successful marketing promotion, the number of EC2 instances increased from 2 to 20. The application continued to work correctly during this time. However, the increased request rate overwhelmed the third-party affiliate and resulted in failed requests.

Which combination of architectural changes should a solutions architect make to ensure that the entire process functions correctly under load?

(Select TWO.)

- a) Move the code that calls the affiliate to a new AWS Lambda function. Modify the application to invoke the Lambda function asynchronously.
- b) Move the code that calls the affiliate to a new AWS Lambda function. Modify the application to place the order data in an Amazon Simple Queue Service (Amazon SQS) queue. Invoke the Lambda function from the queue.
- c) Increase the timeout of the new AWS Lambda function.
- d) Decrease the reserved concurrency of the new AWS Lambda function.
- e) Increase the memory of the new AWS Lambda function.

**Answer: b, d**

**Question: 4**

A company runs a serverless mobile app that uses Amazon API Gateway, AWS Lambda functions, Amazon Cognito, and Amazon DynamoDB. During large surges in traffic, users report intermittent system failures. The API Gateway API endpoint is returning HTTP status code 502 (Bad Gateway) errors to valid requests.

Which solution will resolve this issue?

- a) Increase the concurrency quota for the Lambda functions. Configure Amazon CloudWatch to send notification alerts when the Concurrent Executions metric approaches the quota.
- b) Configure notification alerts for the quota of transactions per second on the API Gateway API endpoint. Create a Lambda function that will increase the quota when the quota is reached.
- c) Shard users to Amazon Cognito user pools in multiple AWS Regions to reduce user authentication latency.
- d) Use DynamoDB strongly consistent reads to ensure that the client application always receives the most recent data.

**Answer: a**

**Question: 5**

A solutions architect needs to reduce costs for a big data application. The application environment consists of hundreds of devices that send events to Amazon Kinesis Data Streams. The device ID is used as the partition key, so each device gets a separate shard. Each device sends between 50 KB and 450 KB of data each second. An AWS Lambda function polls the shards, processes the data, and stores the result in Amazon S3.

Every hour, another Lambda function runs an Amazon Athena query against the result data to identify outliers. This Lambda function places the outliers in an Amazon Simple Queue Service (Amazon SQS) queue. An Amazon EC2 Auto Scaling group of two EC2 instances monitors the queue and runs a 30-second process to address the outliers. The devices submit an average of 10 outlying values every hour.

Which combination of changes to the application will MOST reduce costs?

(Select TWO.)

- a) Change the Auto Scaling group launch configuration to use smaller instance types in the same instance family.
- b) Replace the Auto Scaling group with a Lambda function that is invoked when messages arrive in the queue.
- c) Reconfigure the devices and data stream to set a ratio of 10 devices to 1 data stream shard.
- d) Reconfigure the devices and data stream to set a ratio of 2 devices to 1 data stream shard.
- e) Change the desired capacity of the Auto Scaling group to a single EC2 instance.

**Answer: b, d**

**Question: 6**

A company is launching a new web service on an Amazon Elastic Container Service (Amazon ECS) cluster. The cluster consists of 100 Amazon EC2 instances. Company policy requires the security group on the cluster instances to block all inbound traffic except HTTPS (port 443).

Which solution will meet these requirements?

- a) Change the SSH port to 2222 on the cluster instances by using a user data script. Log in to each instance by using SSH over port 2222.
- b) Change the SSH port to 2222 on the cluster instances by using a user data script. Use AWS Trusted Advisor to remotely manage the cluster instances over port 2222.
- c) Launch the cluster instances with no SSH key pairs. Use AWS Systems Manager Run Command to remotely manage the cluster instances.
- d) Launch the cluster instances with no SSH key pairs. Use AWS Trusted Advisor to remotely manage the cluster instances.

**Answer: c**

**Question: 7**

A company has two AWS accounts: one account for production workloads and one account for development workloads. A development team and an operations team create and manage these workloads.

The company needs a security strategy that meets the following requirements:

- Developers need to create and delete development application infrastructure.
- Operators need to create and delete development and production application infrastructure.
- Developers must have no access to production infrastructure.
- All users must have a single set of AWS credentials.

Which strategy will meet these requirements?

a) In the production account:

- Create an operations IAM group that can create and delete application infrastructure.
- Create an IAM user for each operator. Assign these users to the operations group.

In the development account:

- Create a development IAM group that can create and delete application infrastructure.
- Create an IAM user for each operator and developer. Assign these users to the development group.

b) In the production account:

- Create an operations IAM group that can create and delete application infrastructure.

In the development account:

- Create a development IAM group that can create and delete application infrastructure.
- Create an IAM user for each developer. Assign these users to the development group.
- Create an IAM user for each operator. Assign these users to the development group and to the operations group in the production account.

c) In the development account:

- Create a shared IAM role that can create and delete application infrastructure in the production account.
- Create a development IAM group that can create and delete application infrastructure.
- Create an operations IAM group that can assume the shared role.
- Create an IAM user for each developer. Assign these users to the development group.
- Create an IAM user for each operator. Assign these users to the development group and to the operations group.

d) In the production account:

- Create a shared IAM role that can create and delete application infrastructure.

- Add the development account to the trust policy for the shared role.
- In the development account:
- Create a development IAM group that can create and delete application infrastructure.
  - Create an operations IAM group that can assume the shared role in the production account.
  - Create an IAM user for each developer. Assign these users to the development group.
  - Create an IAM user for each operator. Assign these users to the development group and to the operations group.

**Answer: d**

### Question: 8

A company has many AWS accounts that individual business groups own. One of the accounts was recently compromised. The attacker launched a large number of instances, resulting in a high bill for that account.

The company addressed the security breach, but a solutions architect needs to develop a solution to prevent excessive spending in all accounts. Each business group wants to retain full control of its AWS account.

Which solution should the solutions architect recommend to meet these requirements?

- a) Use AWS Organizations. Add each AWS account to the management account. Create an SCP that uses the `ec2:instanceType` condition key to prevent the launch of high-cost instance types in each account.
- b) Attach a new customer-managed IAM policy to an IAM group in each account. Configure the policy to use the `ec2:instanceType` condition key to prevent the launch of high-cost instance types. Place all the existing IAM users in each group.
- c) Turn on billing alerts for each AWS account. Create Amazon CloudWatch alarms that send an Amazon Simple Notification Service (Amazon SNS) notification to the account administrator whenever the account exceeds a designated spending threshold.
- d) Turn on AWS Cost Explorer in each account. Review the Cost Explorer reports for each account on a regular basis to ensure that spending does not exceed the desired amount.

**Answer: c**

**Question: 9**

A company has built an online ticketing web application on AWS. The application is hosted on AWS App Runner and uses images that are stored in an Amazon Elastic Container Registry (Amazon ECR) repository.

The application stores data in an Amazon Aurora MySQL DB cluster. The company has set up a domain name in Amazon Route 53. The company needs to deploy the application across two AWS Regions in an active-active configuration.

Which combination of steps will meet these requirements with the LEAST change to the architecture? (Select THREE.)

- a) Set up Cross-Region Replication to the second Region for the ECR images.
- b) Create a VPC endpoint from the ECR repository in the second Region.
- c) Edit the App Runner configuration by adding a second deployment target to the second Region.
- d) Deploy App Runner to the second Region. Set up Route 53 latency-based routing.
- e) Change the database by using Amazon DynamoDB global tables in the two desired Regions.
- f) Use an Aurora global database with write forwarding enabled in the second Region.

**Answer: a, d, f**

**Question: 10**

A company has multiple AWS accounts in an organization in AWS Organizations. The company has integrated its on-premises Active Directory with AWS Single Sign-On (AWS SSO) to grant Active Directory users least privilege permissions to manage infrastructure across all the accounts.

A solutions architect must integrate a third-party monitoring solution that requires read-only access across all AWS accounts. The monitoring solution will run in its own AWS account.

What should the solutions architect do to provide the monitoring solution with the required permissions?

- a) Create a user in an AWS SSO directory. Assign a read-only permissions set to the user. Assign all AWS accounts that need monitoring to the user. Provide the third-party monitoring solution with the user name and password.
- b) Create an IAM role in the organization's management account. Allow the AWS account of the third-party monitoring solution to assume the role.
- c) Invite the AWS account of the third-party monitoring solution to join the organization. Enable all features.
- d) Create an AWS CloudFormation template that defines a new IAM role for the third-party monitoring solution. Specify the AWS account of the third-party monitoring solution in the trust policy. Create the IAM role across all linked AWS accounts by using a stack set.

**Answer: d**

# Tips for Success in the AWS Solutions Architect Professional Exam:

## Familiarize Yourself with the SAP-C02 Exam Format:

Before starting your study regimen, it's crucial to acquaint yourself with the structure of the SAP-C02 exam. Take a moment to [review the exam syllabus](#), grasp the test format, and pinpoint the main areas of concentration. Having prior knowledge of the exam's layout will assist you in customizing your study strategy effectively.

## Create A Study Timetable for the SAP-C02 Exam:

To prepare efficiently for the SAP-C02 exam, devise a study schedule that aligns with your lifestyle and preferred learning approach. Allocate dedicated time slots for studying each day, prioritizing topics according to their significance and your level of proficiency. Maintaining consistency by adhering to your schedule and steering clear of procrastination is imperative.

## Diversify Your Study Sources:

Ensure you broaden your study material beyond just one source. Use various resources like textbooks, online courses, practice exams, and study guides to understand the SAP-C02 exam subjects thoroughly. Each resource provides distinct perspectives and explanations that can enrich your learning journey.

## Regular Practice for the SAP-C02 Exam:

Consistent practice is essential for effective preparation for the SAP-C02 exam. Engaging in regular practice enables you to strengthen your grasp of essential concepts, improve your problem-solving abilities, and become accustomed to the exam format. Allocate dedicated time to solving practice questions and sample tests to assess your progress accurately.

## Allow for Rest and Breaks:

While studying is crucial, taking breaks and rest is equally vital. Pushing yourself too hard without sufficient rest can result in burnout and reduced effectiveness. Incorporate short breaks into your study sessions to recharge and stay focused.

## Maintain Organization Throughout Your SAP-C02 Exam Preparation:

Keep yourself organized as you prepare for the SAP-C02 exam by monitoring your progress and managing your materials effectively. Ensure your study area remains neat, utilize folders or digital aids to arrange your notes and resources, and develop a checklist of topics to review. Employing an organized approach will assist you in staying focused and reducing stress levels.

## Seek Guidance from Mentors:

Feel free to ask for clarification when you come across confusing or difficult concepts during your study sessions. Seek support from peers, instructors, or online forums to address any uncertainties. Addressing doubts will prevent misunderstandings and ensure you develop a strong [understanding of the material](#).

## Regular Review is Crucial for the SAP-C02 Exam:

Frequent revisiting of material is paramount for retaining information over the long term. Revisit topics you've already covered to strengthen your comprehension and pinpoint areas that need further focus. Regular review sessions will [solidify your understanding](#) and enhance your confidence.

## Master Time Management for the SAP-C02 Exam:

Skillful time management is essential on the exam day to ensure you finish all sections within the designated time limits. During your practice sessions, replicate the conditions of the SAP-C02 exam and practice managing your time accordingly. Formulate strategies for efficiently addressing each section to optimize your score.

## Have A Positive Mindset:

Finally, maintain a positive attitude and have faith in your capabilities. Stay confident in your preparation and trust that you are well-prepared to handle the SAP-C02 exam. Envision success, remain focused, and approach the exam calmly and objectively.

## Benefits of Passing the SAP-C02 Exam:

- Completing the SAP-C02 exam unlocks pathways to fresh career prospects and progression within your industry.

- The extensive preparation needed for the SAP-C02 certification equips you with comprehensive knowledge and practical expertise applicable to your field.
- Possessing the SAP-C02 certification showcases your mastery and dedication to excellence, garnering acknowledgment from both peers and employers.
- Certified professionals often command higher salaries and have greater potential for earning than those without certification.
- Acquiring the SAP-C02 certification validates your competence and trustworthiness, fostering confidence among clients, employers, and peers.

## Explore the Trusted Practice Exam for the SAP-C02 Certification:

At vmexam.com, you'll find comprehensive resources for the SAP-C02 exam. Our platform offers authentic practice exams tailored specifically for the SAP-C02 certification. What advantages do these practice exams provide? You'll encounter genuine exam-style questions expertly crafted by industry professionals, allowing you to improve your performance in the exam. Rely on vmexam.com for rigorous, unlimited access to [SAP-C02 practice exams](#) for two months, allowing you to boost your confidence steadily. Through focused practice, numerous candidates have successfully streamlined their path to achieving the AWS Certified Solutions Architect - Professional.

## Final Remarks:

Preparing for the SAP-C02 examination demands commitment, strategic planning, and efficient study methods. Implementing these study suggestions can enrich your preparation, elevate your self-assurance, and increase your likelihood of excelling in the exam. Keep your focus sharp, maintain organization, and believe in your abilities. Best of luck!



## Here Is the Trusted Practice Test for the SAP-C02 Certification

VMExam.Com is here with all the necessary details regarding the SAP-C02 exam. We provide authentic practice tests for the SAP-C02 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on VMExam.Com for rigorous, unlimited two-month attempts on the [SAP-C02 practice tests](https://www.vmexam.com/aws/sap-c02-aws-solutions-architect-professional), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the AWS Certified Solutions Architect - Professional.

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