

AWS

AWS Certified Solutions Architect (Professional)

Validate your technical skills and grow your career.

Phoenix TS' AWS Certified Solutions Architect-Professional training teaches participants how to build complex solutions that incorporate data services, governance, and security using specialized AWS services.

An AWS Certified Solutions Architect (Professional) examination is meant for people who have a traditional solutions architect position with a two or more years of hands on experience managing and using systems on AWS.

Why Take The AWS Certified Solutions Architect (Professional) Course?

Your certification places you at the front of the line.

Passing the exam will allow you to attain an industry-recognized merit from AWS that says: **you know what you're doing**. It proves to your employer that you have the necessary skills and knowledge to earn top dollar when you work for them.

Increase Your Salary:

- In 2019, the average starting salary of an AWS Certified Solutions Architect – Professional was around \$148,000.

Abilities Validated By The Certification:

- Design and deploy dynamically scalable, highly available, fault-tolerant, and reliable applications on AWS
- Select appropriate AWS services to design and deploy an application based on given requirements
- Migrate complex, multi-tier applications on AWS

- Design and deploy enterprise-wide scalable operations on AWS
- Implement cost-control strategies

Recommended Knowledge & Experience:

- Two or more years of firsthand experience designing and deploying cloud architecture on AWS
- Ability to evaluate cloud application requirements and make architectural recommendations for implementation, deployment, and provisioning applications on AWS
- Familiarity with AWS CLI, AWS APIs, AWS CloudFormation templates, the AWS Billing Console, and the AWS Management Console
- Explain and apply the five pillars of the AWS Well-Architected Framework
- Design a hybrid architecture using key AWS technologies (e.g., VPN, AWS Direct Connect)
- Ability to provide best practice guidance on the architectural design across multiple applications and projects of the enterprise
- Familiarity with a scripting language
- Familiarity with Windows and Linux environments
- Map business objectives to application/architecture requirements
- Architect a continuous integration and deployment process

Scoring:

Domain 1: Design for Organizational Complexity 12.5%

Domain 2: Design for New Solutions 31%

Domain 3: Migration Planning 15%

Domain 4: Cost Control 12.5%

Domain 5: Continuous Improvement for Existing Solutions 29%

Exam Topics:

AWS Certified Solutions Architect - Professional (SAP-C01)

Domain 1: Design for Organizational Complexity

- 1.1 Determine cross-account authentication and access strategy for complex organizations (for example, an organization with varying compliance requirements, multiple business units, and varying scalability requirements)
- 1.2 Determine how to design networks for complex organizations (for example, an organization with varying compliance requirements, multiple business units, and varying scalability requirements)
- 1.3 Determine how to design a multi-account AWS environment for complex organizations (for

example, an organization with varying compliance requirements, multiple business units, and varying scalability requirements)

Domain 2: Design for New Solutions

- 2.1 Determine security requirements and controls when designing and implementing a solution
- 2.2 Determine a solution design and implementation strategy to meet reliability requirements
- 2.3 Determine a solution design to ensure business continuity
- 2.4 Determine a solution design to meet performance objectives
- 2.5 Determine a deployment strategy to meet business requirements when designing and implementing a solution

Domain 3: Migration Planning

- 3.1 Select existing workloads and processes for potential migration to the cloud
- 3.2 Select migration tools and/or services for new and migrated solutions based on detailed AWS knowledge
- 3.3 Determine a new cloud architecture for an existing solution
- 3.4 Determine a strategy for migrating existing on-premises workloads to the cloud

Domain 4: Cost Control

- 4.1 Select a cost-effective pricing model for a solution
- 4.2 Determine which controls to design and implement that will ensure cost optimization
- 4.3 Identify opportunities to reduce cost in an existing solution

Domain 5: Continuous Improvement for Existing Solutions

- 5.1 Troubleshoot solution architectures
- 5.2 Determine a strategy to improve an existing solution for operational excellence
- 5.3 Determine a strategy to improve the reliability of an existing solution
- 5.4 Determine a strategy to improve the performance of an existing solution
- 5.5 Determine a strategy to improve the security of an existing solution
- 5.6 Determine how to improve the deployment of an existing solution

Prepare for your exam:

The best way to prepare is with first-hand experience. Taking advantage of the opportunities that Phoenix TS provides will assist you with gathering all the knowledge and skills you'll need for certification.

Phoenix TS AWS Certified Solutions Architect -

Learning Pathways

- **Advanced Architecting on AWS**

Course Overview In this 3-day AWS course how to build complex solutions that incorporate data services, governance, and security on AWS. This Amazon AWS Training course introduces specialized AWS services, including AWS Direct Connect and AWS Storage Gateway to support hybrid architecture. It also covers designing best practices for building scalable, elastic, secure, and highly [...]

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Exam Details

- Multiple choice, multiple answers



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