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AWS

AWS Certified DevOps Engineer (Professional)

Validate your technical skills and grow your career.

Phoenix TS' Certified DevOps Engineer Professional course is an advanced course on AWS covering deployment management and developer services.

An AWS Certified DevOps (Professional) exam helps anyone who holds a developer role and has at least two yeas of experience handling development, maintenance, operating and provisioning of AWS environments move forward in their career.

Why Take The AWS Certified DevOps (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.

Most companies are heading towards cloud integration, but their lack of cloud proficiency is holding back 25% of corporations from making the best of their environments.

Increase Your Salary:

- In 2019, the average starting salary of an AWS Certified DevOps (Professional) was around $138,000.

Abilities Validated By The Certification:

- Implement and manage continuous delivery systems and methodologies on AWS
- Implement and automate security controls, governance processes, and compliance validation

10420 Little Patuxent Parkway Suite 500 Columbia, MD 21044

- Define and deploy monitoring, metrics, and logging systems on AWS
- Implement systems that are highly available, scalable, and self-healing on the AWS platform
- Design, manage, and maintain tools to automate operational processes

Recommended Knowledge & Experience:

- Experience developing code in at least one high-level programming language
- Experience building highly automated infrastructures
- Experience administering operating systems
- Understanding of modern development and operations processes and methodologies

Scoring

Domain 1: SDLC Automation 22%
Domain 2: Configuration Management and Infrastructure as Code 19%
Domain 3: Monitoring and Logging 15%
Domain 4: Policies and Standards Automation 10%
Domain 5: Incident and Event Response 18%
Domain 6: High Availability, Fault Tolerance, and Disaster Recovery 16%

Exam Topics:

AWS Certified DevOps Engineer – Professional (DOP-C01)

Domain 1: SDLC Automation

1.1 Apply concepts required to automate a CI/CD pipeline
1.2 Determine source control strategies and how to implement them
1.3 Apply concepts required to automate and integrate testing
1.4 Apply concepts required to build and manage artifacts securely
1.5 Determine deployment/delivery strategies (e.g., A/B, Blue/green, Canary, Red/black) and how to implement them using AWS Services

Domain 2: Configuration Management and Infrastructure as Code

2.1 Determine deployment services based on deployment needs
2.2 Determine application and infrastructure deployment models based on business needs
2.3 Apply security concepts in the automation of resource provisioning
2.4 Determine how to implement lifecycle hooks on a deployment
2.5 Apply concepts required to manage systems using AWS configuration management tools and services

Domain 3: Monitoring and Logging

- 3.1 Determine how to set up the aggregation, storage, and analysis of logs and metrics
- 3.2 Apply concepts required to automate monitoring and event management of an environment
- 3.3 Apply concepts required to audit, log, and monitor operating systems, infrastructures, and applications
- 3.4 Determine how to implement tagging and other metadata strategies

Domain 4: Policies and Standards Automation

- 4.1 Apply concepts required to enforce standards for logging, metrics, monitoring, testing, and security
- 4.2 Determine how to optimize cost through automation
- 4.3 Apply concepts required to implement governance strategies

Domain 5: Incident and Event Response

- 5.1 Troubleshoot issues and determine how to restore operations
- 5.2 Determine how to automate event management and alerting
- 5.3 Apply concepts required to implement automated healing
- 5.4 Apply concepts required to set up event-driven automated actions

Domain 6: High Availability, Fault Tolerance, and Disaster Recovery

- 6.1 Determine appropriate use of multi-AZ versus multi-region architectures
- 6.2 Determine how to implement high availability, scalability, and fault tolerance
- 6.3 Determine the right services based on business needs (e.g., RTO/RPO, cost)
- 6.4 Determine how to design and automate disaster recovery strategies
- 6.5 Evaluate a deployment for points of failure

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 DevOps Engineer – Learning Pathways

Advanced Developing on AWS

Course Overview This 3-day AWS course build upon the concepts discussed in the course, Developing on AWS. Students will deep dive into advanced development topics such as architecting for a non – cloud environment, legacy applications, and develop an understanding of the Twelve – Factor application methodology. This course will teach students how to: Analyze […]

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- ## DevOps Engineering on AWS

Course Overview Our 3-day, instructor-led DevOps Engineering on AWS Training course demonstrates how to use the most common DevOps patterns to develop, deploy, and maintain applications on AWS. The course covers the core principles of the DevOps methodology and examines a number of use cases applicable to startup, small and medium-sized business, and enterprise development […]

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Exam Details

- Multiple choice, multiple answers
- Testing in person or online proctored exam
- 130 Min to take the test
- $150 test fee
- Available in English, Japanese, Korean, and Simplified Chinese