AWS Certified Cloud Practitioner Crash Course

This live virtual training course is designed to help you understand Amazon Web Services and acts as an introduction to cloud computing concepts and key AWS services. It will also help prepare you for the AWS Certified Cloud Practitioner exam. If you're looking for credibility as an AWS professional, there's no better place to start than Amazon's AWS Certified Cloud Practitioner exam.

Experienced trainer Michael J. Shannon will walk you through the objectives on the exam and give you a holistic background so you can better understand the AWS Cloud landscape. This course is perfect for anyone new to cloud and is designed for project managers, managers, technical people who need to learn cloud skills, and anyone interested in learning about cloud technologies. This certification will be invaluable for individuals needing to engage in intelligent, informed discussions and high-level decision making.

This Live Virtual Training is for:
- AWS Certified Cloud Practitioner exam certification candidates
- Anyone looking to gain familiarity with AWS and cloud computing concepts
- Project managers or technical professionals who need to learn cloud skills
- On-premises data center administrators who are pressured to "skill up" in AWS

You will learn:
- What topics are most likely to appear on the AWS Certified Cloud Practitioner certification exam
- How to do the work of AWS professional
- About AWS, cloud computing technology, and best practices for architecting on AWS

You will be able to:
- Prepare for the certification exam guide published by Amazon Web Services.
- Understand AWS Global infrastructure, network technologies, security features, and key services such as EC2, S3, DynamoDB, Auto Scaling, Elastic Load Balancing, RDS and more.
- Identify core services offered for compute, storage, database, networking and other solutions

Prerequisites:
- A basic understanding of business IT needs
- Familiarity with software development lifecycle
- Familiarity with traditional IT operations
- *No materials are required up front*

*Note – Live virtual training is a crash course intended to be part of a candidate's larger study & prep plan toward certification.

Price: CAD 940 for the live virtual training course, which includes access to Pearson self-study materials (i.e. video training).

Schedule: November 11-14, 2019 (8 hours total, 2 hours per day)

Course times: 3 pm – 5 pm PST

About the instructor:
Michael J. Shannon began his IT career when he transitioned from recording studio engineer to network technician for a major telecommunications company in the early 1990s. Throughout his 30 years in IT, he has worked as an employee, contractor, and consultant for numerous companies including Platinum Technologies, Fujitsu, IBM, State Farm, MindSharp, CBT Nuggets, Thomson/NetG, Pearson, and Skillsoft among others. Mr.Shannon has authored several books, training manuals, blog articles, and CBT modules over the years as well. He has attained the MCSE, CISSP, Security+, Cisco CCNP R&S and CCNP Security, Palo Alto Networks Certified Network Security Engineer (PCNSE), OpenFAIR Foundations, ITILv3 Intermediate SO and RCV

certifications. He also holds the Amazon Web Services Cloud Practitioner and SysOps Administrator-Associate certificates. He resides with his wife in Abilene Texas.

Course Outline:

Segment 1: Cloud Concepts **(60 minutes)**
- Cloud Practitioner Certification
  - Overview of the Exam
  - Documentation and study materials
- Cloud architecture design principles
  - Overview of cloud models and terminology
  - AWS Global Infrastructure
  - The AWS Shared Responsibility Model
  - AWS Cloud and its value proposition
  - Key aspects of AWS Cloud economics

Break: 10 minutes

Segment 2: AWS Technology **(50 minutes)**
- Identify the core AWS services
  - Networking
  - Compute
  - Storage
  - Database
- Demonstration

Break: 10 minutes

Segment 3: AWS Technology (cont.) **(50 minutes)**
- Creating your first AWS account
- Demonstration
- Strategies and best practices

Break: 10 minutes

Segment 4: AWS Technology (cont.) **(50 minutes)**
- Virtual Private Cloud (VPC) Networking
- Basic network design best practices
- Demonstration
- VPNs and Direct Connect
- Elastic Load Balancing
- Auto-Scaling technologies

Segment 5: AWS Technology (cont.) **(50 minutes)**
- Advanced Core Services Overview
- AWS CloudFormation
- Amazon CloudWatch
- Amazon CloudFront
- AWS Elastic Beanstalk
- Amazon Relational Database Service (RDS)
- Amazon DynamoDB
- Amazon Glacier
- Amazon Redshift
- AWS Lambda

Break: 10 minutes

Segment 6: AWS Security **(60 minutes)**
- Identity and Access Management (IAM)
- Password Policies
- Multi-factor Authentication
- Managing Users, Groups, and Roles

- Managed Policies
- Demonstration

Break: 10 minutes

Segment 7: AWS Security (cont.) **(60 minutes)**
- NACLs and Security Groups
- Web Application Firewalls
- Survey of Advances Security Services
- AWS Organizations
- Assurance Programs, Auditing, and Compliance
- Vulnerability and Penetration Testing

Break: 10 minutes

Segment 8: Billing and Pricing **(40 minutes)**
- Service Pricing
  - Compute Pricing
  - Database Pricing
  - Storage Pricing
- Cost Management
  - AWS Calculators
  - Cost Management Tools
  - AWS Trusted Advisor
  - AWS Support and Support Models