


<b>Course Name</b>	<b>AWS CERTIFIED DEVOPS ENGINEER - PROFESSIONAL (DOP-C02)</b>	
<b>About the Course</b>	The AWS Certified DevOps Engineer - Professional showcases individuals' technical expertise in provisioning, operating, and managing distributed application systems on the AWS platform, giving them increased confidence and credibility with peers, stakeholders, and customers. Organizations with these qualified professionals can ensure speedy delivery of secure, compliant, systems that are highly available and scalable	
<b>Key Skills You Will Learn</b>	This course will help individuals developing skills and knowledge in SDLC Automation, Configuration Management and Infrastructure as Code, Monitoring and Logging, Incident and Event Response, Security and Compliance, Resilient Cloud Solutions	
<b>Course Pre-Requisite</b>	Expertise with Programming Languages, Expertise with Automation Tools, Collaboration and Communication, Speed and Logic, Containerization and Orchestration, Networking and Security, Cloud Services, Continuous Integration and Continuous Deployment (CI/CD)	
<b>Target Audience</b>	System administrators with AWS experience, Experienced software developers, DevOps engineers, Cloud solutions architects, Technical project managers, Security professionals	
<b>Job prospects with this role</b>	AWS DevOps Engineer, DevOps engineer, Cloud architect, Cybersecurity specialist, Operations manager, Cloud security automation engineer, DevSecOps engineer, Cloud cost optimization specialist	
<b>Course Duration</b>	~ 40 Hrs (7 Hrs a week total ~ 6 Weeks)	
<b>Course Customisation</b>	Not applicable	
<b>Certification</b>	READYBELL AWS CERTIFIED DEVOPS ENGINEER - PROFESSIONAL (DOP-C02) Certificate	
<b>Mode of Training</b>	Instructor-led 100% Online or 100% Classroom (Salt Lake, Kolkata - India) or hybrid mode (Online + Classroom) as suitable for the learner	
<b>Course Fees</b>	Please contact us	
<b>Refund Policy</b>	Get a 3-hours free trial during which you can cancel at no penalty. After that, we don't give refunds	
<b>Job Assistance</b>	Will assist candidate in securing a suitable job	
<b>Contact</b>	<b>READYBELL SOFTWARE SERVICES PVT. LIMITED</b> <b>AH 12, SALT LAKE SECTOR 2, KOLKATA (INDIA) - 700 091</b> <b>E-MAIL: <a href="mailto:contact@readybellsoftware.com">contact@readybellsoftware.com</a></b> <b>PH: +91 - 9147708045/9674552097, +91 - 33-79642872</b>	

CURRICULUM		
Topic	Sub-Topic	Duration (Hrs)
<b>AWS CERTIFIED DEVOPS ENGINEER - PROFESSIONAL (DOP-C02)</b>	Module 01 - SDLC Automation	40 Hrs
	Implement CI/CD pipelines	
	Integrate automated testing into CI/CD pipelines	
	Build and manage artifacts	
	Implement deployment strategies for instance, container, and serverless environments	
	Module 02 - Configuration Management and IaC	
	Define cloud infrastructure and reusable components to provision and manage systems throughout their lifecycle	
	Deploy automation to create, onboard, and secure AWS accounts in a multi-account or multi-Region environment	
	Design and build automated solutions for complex tasks and large-scale environments	
	Module 03 - Resilient Cloud Solutions	
	Implement highly available solutions to meet resilience and business requirements	
	Implement solutions that are scalable to meet business requirements	
	Implement automated recovery processes to meet RTO and RPO requirements	
	Module 04 - Monitoring and Logging	
	Configure the collection, aggregation, and storage of logs and metrics	
	Audit, monitor, and analyze logs and metrics to detect issues	
	Automate monitoring and event management of complex environments	
	Module 05 - Incident and Event Response	
	Manage event sources to process, notify, and take action in response to events	
	Implement configuration changes in response to events	
	Troubleshoot system and application failures	
	Module 06 - Analytics	
	Amazon Athena	
	Amazon EMR	
	Amazon Kinesis Data Firehose	
	Amazon Kinesis Data Streams	
	Amazon OpenSearch Service	
Amazon QuickSight		

Module 07 - Security and Compliance
Implement techniques for identity and access management at scale
Apply automation for security controls and data protection
Implement security monitoring and auditing solutions
Module 08 - Application Integration
AWS AppFlow
Amazon EventBridge
Module 09 - Compute
AWS App Runner
Amazon EC2
Amazon EC2 Auto Scaling
EC2 Image Builder
AWS Elastic Beanstalk
AWS Serverless Application Repository
Module 10 - Containers
AWS App2Container
AWS Copilot
Amazon Elastic Container Registry (Amazon ECR)
Amazon Elastic Container Service (Amazon ECS)
Amazon Elastic Kubernetes Service (Amazon EKS)
Amazon EKS Distro
AWS Fargate
Red Hat OpenShift Service on AWS (ROSA)
Module 11 - Database
Amazon Aurora
Amazon Aurora Serverless v2
AWS Database Migration Service (AWS DMS)
Amazon DocumentDB (with MongoDB compatibility)
Amazon DynamoDB
Amazon ElastiCache
Amazon MemoryDB for Redis
Amazon RDS
Amazon Redshift
Module 12 - Developer Tools
AWS CLI
AWS Cloud Development Kit (AWS CDK)
AWS CloudShell
AWS CodeArtifact
AWS CodeBuild
AWS CodeDeploy

	Amazon CodeGuru	
	AWS CodePipeline	
	AWS CodeStar	
	AWS Fault Injection Simulator (AWS FIS)	
	AWS SDKs and Tools	
	AWS X-Ray	
	Module 13 - Networking and Content Delivery	
	Amazon API Gateway	
	AWS Client VPN	
	Amazon CloudFront	
	Elastic Load Balancing (ELB)	
	AWS PrivateLink	
	Amazon Route 53	
	AWS Site-to-Site VPN	
	AWS Transit Gateway	
	Amazon VPC	
	Module 14 - Security, Identity, and Compliance	
	AWS Certificate Manager (ACM)	
	AWS CloudHSM	
	Amazon Cognito	
	Amazon Detective	
	AWS Directory Service	
	Amazon GuardDuty	
	AWS IAM Identity Center	
	AWS Identity and Access Management (IAM)	
	Amazon Inspector	
	AWS Key Management Service (AWS KMS)	
	Amazon Macie	
	AWS Network Firewall	
	AWS Resource Access Manager (AWS RAM)	
	AWS Secrets Manager	
	AWS Security Hub	
	AWS Security Token Service (AWS STS)	
	AWS Shield	
	AWS WAF	

	Module 15 - Serverless	
	AWS Lambda	
	AWS Serverless Application Model (AWS SAM)	
	Amazon Simple Notification Service (Amazon SNS)	
	Amazon Simple Queue Service (Amazon SQS)	
	AWS Step Functions	
	Module 15 - Storage	
	AWS Backup	
	Amazon Elastic Block Store (Amazon EBS)	
	AWS Elastic Disaster Recovery	
	Amazon Elastic File System (Amazon EFS)	
	Amazon FSx for Lustre	
	Amazon FSx for NetApp ONTAP	
	Amazon FSx for OpenZFS	
	Amazon FSx for Windows File Server	
	Amazon S3	
	Amazon S3 Glacier	
	AWS Storage Gateway	
<b>To register for this course please e-mail/call us</b>		