



AWS SysOps Administrator Training Course Online

About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT Ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on Big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

About Course

Amazon AWS is a container based secure cloud service platform that offers database storage and content delivery in software development. It offers Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as a Service (SaaS) together. It reduces costs of infrastructure such as servers. Companies used it's best practices in security with the availability, integrity and confidentiality of your data and provides 'end to end' privacy and 'end to end' security.

DevOpsSchool offers Amazon AWS Training Program to developers and non-developers designed by AWS expert. Amazon AWS Training provides a learning paths and can work with organization or with individual professionals to develop a customized learning strategy. We have Online Classes and Offline Classes available for the candidates.



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Duration	60 Hours
Mode	Online (Instructor-led, live & Interactive)
Projects (Real time scenario based)	1

FEATURES	DEVOPSSCHOOL	OTHERS
Faculty Profile Check	✓	✗
Lifetime Technical Support	✓	✗
Lifetime LMS access	✓	✗
Top 25 Tools	✓	✗
Interviews Kit	✓	✗
Training Notes	✓	✗
Step by Step Web Based Tutorials	✓	✗
Training Slides	✓	✗
Training + Additional Videos	✓	✗



Projects

In AWS Course a Participant will get total 100+ Lab Assignment, real time scenario based projects to work on, and 250+ real-time interview questions, as part of these projects, we would help our participant to have first hand experience of real time scenario based software project development planning, coding, deployment, setup and monitoring in production from scratch to end. We would also help our participants to visualize a real development environment, testing environment and production environments.

Interview

As part of this, You would be given complete interview preparations kit, set to be ready for the AWS hotseat. This kit has been crafted by 200+ years industry experience and the experiences of nearly 10000 DevOpsSchool Awslearners worldwide.

AGENDA OF THE AWS SYSOPS ADMINISTRATOR TRAINING COURSE ONLINE

Welcome: Course Overview

- Welcome to the AWS SysOps Administrator series! In this Nugget, Jeremy walks you through an overview of the series, prerequisite material requirements, and explains how to get the most out of the time you spend here. So, what is your billion dollar idea?

VPC: The Nitty Gritty Configuration

- Yes. This is a Nacho Libre reference. Please forgive us. This Nugget goes "beyond the wizard" and into the individual VPC components. By the time you're through, you'll have a much better understanding of each of the VPC elements (route table, IGW, ENI, EIP, etc.). You'll also gain an appreciation for the "art" involved in adding a second NIC (ENI) to an Ubuntu instance!

VPC: Configuring VPN Connections

- Within AWS VPC, Amazon gives you the ability to configure Hardware-based and Direct Connect VPNs. In this Nugget, Jeremy explores your VPN options and walks through the configuration of a site-to-site hardware VPN.

EC2: Instance Types and Performance Implications

- It sounds like a drive through restaurant - "I'll take 5 of the m3 extra-large...uhhh...and give me one of the t2 micros with ketchup on the side." What does all this mean? That's what this Nugget is all about! Join us as we explore the AWS Pricing Models (On-Demand, Reserved, Spot) and instance types.

EBS: Snapshot Backup and Replication

- Understanding the interaction between EBS and S3 is essential to your success with AWS. In this Nugget, you will understand how EBS and S3 work together, how to create EBS Snapshots (how to do it, the best time to do it, etc...), and the S3 to EBS "Lazy Load" process.

S3: Understanding the Properties of S3

- Amazon S3 provides unlimited, ultra-durable cloud storage; however, what is behind this "storage bucket in the sky?" Is it trustworthy? Can you secure it? Can you map a drive and install a program to it? All these answers (and plenty more) in this Nugget.

S3: Website Hosting from S3

- AWS S3 services provide not only insanely durable storage (99.999999999999% durability), but also the ability to host static website content (image libraries, downloads, streaming files, etc...) directly out of the S3 bucket! In this Nugget, Jeremy demonstrates the process of making this happen and even brings a REALLY cute bunny on-board. Spot) and instance types.

ELB: Elastic Load Balancer Implementation

- This Nugget is dedicated to ELB implementation. Jeremy walks through each step of the process in creating an ELB and stops to explain some typically confusing concepts (cross-zone load balancing and connection draining).

DNS: Understanding Route 53 Capabilities

- DNS...translates domain names to IP addresses...seems simple, right? Very few realize the instrumental and fundamental role DNS plays in your system performance and keeping your web-based services running at all! In this Nugget, Jeremy breaks down the "AWS way" of handling DNS: Route 53! You will see what Route 53 offers that others do not along with a foundation understanding of DNS methods and core records.

IAM: Understanding IAM Concepts

- Using the Master account you created when you signed up for AWS is similar to using the root account for all your Linux administration: you shouldn't do it. In this Nugget, Jeremy walks through the IAM "Big Picture," discusses the IAM elements (users, groups, roles, policies, and permissions), and even explores Java Script Object Notation (JSON) basics.

Monitoring: Understanding and Configuring CloudWatch

- The title says it all! In this Nugget, Jeremy discusses what you are able to monitor in the AWS system using CloudWatch and walks through the configuration of metric monitoring and alarms (in addition to finding a surprising billing alarm that we will be discussing with Jeremy directly).

RDS: Understanding RDS Foundations

- It's time to dive into the database world! Nearly all of the web-based applications rely on some sort of database back end. It would make sense that that back end is ultra-reliable, right? In this Nugget, Jeremy walks through the core concepts of Amazon Relational Database Service (RDS) and shows just how easy it is to set up a redundant, backed up database in multiple data centers.

SECURE: Handling IT Audits, Security Token Service, and Trusted Advisor

- This self-proclaimed "Miscellaneous Security Grab-Bag" of topics is a wild ride through the process of handling a shared-security IT audit, providing temporary authentication credentials with the Security Token Service (STS), and saving money and security failures with Trusted Advisor.

VPC: Building Your Network Foundation

- AWS has all but abandoned the original "EC2 Classic network wasteland" in favor of Virtual Private Cloud (VPC). In this Nugget, Jeremy discusses the importance of building your cloud instances on the right foundation, walking through the benefits of VPC, the initial VPC setup (explaining the components created with the VPC wizard), and understanding the routing functions of VPC.

VPC: Security Groups and NACLs

- In terms of security, the internet can be a nasty place. In this Nugget, Jeremy walks through the concepts and configuration of two layers of security you can add to your VPC-based AWS deployment: Security Groups and Network Access Control Lists (NACLs).

VPC: Designing for High Availability

- This Nugget is your CRAM SESSION on all things High Availability (HA). In here, Jeremy walks through redundant designs for Direct Connect, NAT Instances, Elastic Load Balancer (ELB), Web / Database Applications, Session State, and Route 53. Whew!

EBS: Understanding EBS

- This Nugget conveys the essence of EBS (comparing it to S3 and Ephemeral storage) and discusses EBS usage, limits, durability, and backups.

EBS: Getting More Speed and IOPS

- EBS has the potential to "make or break" the performance of your instances running in AWS. In this Nugget, Jeremy discusses ways you are able to increase the performance (throughput and IOPS) of your EBS volumes, which range from completely "free" strategies (is anything free?) to paid EBS-Optimized / Provisioned IOPS instances.

S3: Securing S3 Buckets

- A man, bucket policies, and the edge of humanity (you'll understand once you watch). In this Nugget, Jeremy focuses on the three methods you can use to secure S3 Buckets: Identity and Access Management (IAM), Bucket Policies, and Access Control Lists (ACLs).

ELB: Elastic Load Balancer Concepts

- It is virtually impossible to tap the full potential of AWS without a thorough understanding of the Elastic Load Balancer (ELB). In this Nugget, Jeremy unpacks the key concepts behind this mystical device.

AutoScaling: Key AWS AutoScaling Concepts

- It's time for another one of those paradigm-shifting cloud concepts: AutoScaling. In this Nugget, Jeremy shares the key principles and elements that makes the cloud an "elastic" design.

DNS: Route 53 Configuration

- Brace yourself for a "meaty" Nugget full of Route 53 configuration goodness. In here, you will learn the process of AWS domain registration, record creation, redundancy (including weighted, latency, failover, and geoDNS), and health checks.

IAM: A Walkthrough IAM

- Sometimes just seeing the puzzle pieces fit together helps quickly solidify all the concepts! In this Nugget, Jeremy walks through the configuration of users, groups, roles, and policies (we especially liked the part where he enabled MFA on the user account!).

Backups: Understanding EBS, S3, and RDS Backup Options

- After a traumatic introduction, Jeremy unpacks snapshot backups and other backup strategies for EBS, S3, and RDS databases.

RDS: High Availability and Load Sharing

- Nearly everyone selects the "MultiAZ" option for their RDS database when they initially bring up the instance, but what does that mean? In this Nugget, Jeremy unpacks the specifics of this feature as well as the load sharing capabilities of Read Replicas.

EXAM: Study Strategies and Exam Mindset

- Are you considering taking the AWS SysOps Admin certification exam? Then this Nugget is for you! In here, Jeremy goes through the exam mindset and study tips that gear you for success!

EXAM: The Living Glossary

- It's a brand new idea: The AWS Living Glossary! Because there are so many new terms in the AWS world, Jeremy felt it would be

Thank you!

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