

CASE STUDY

AMERICAN SOFTWARE LEADER INTEGRATES AND OPTIMIZES ROBUST CLOUD ARCHITECTURE WITH AWS SECURITY ESSENTIALS TRAINING

By NETCOM LEARNING

Organizations fear that their data might not be safe, and they are in search of a solution that assures them of complete network security. When adopting cloud technology, security is one of the most critical issues and hence it is necessary to understand and identify the challenges of outsourcing data protection in the cloud. This is where cloud security comes into play- it offers all the functionality of traditional IT security and allows businesses to harness the many advantages of cloud computing while staying secure and confirm that data privacy and compliance conditions are met.

Our client is a leading American software company based in Cambridge, Massachusetts, that builds software for business process management (BPM), customer relationship management (CRM), and digital process automation.

However, this company was skeptical about their cloud computing security and that all data, systems, and applications are protected from data theft, leakage, corruption, and deletion. The client was in critical need of a comprehensive cloud security solution that protects cloud data and apps, prevents compromised accounts, and allows you to set security policies on a per-device basis.

NetCom Learning knew that the client needed to ensure that they are protected from unauthorized access, data breaches, and other threats, and for this, they needed to select the right cloud security solution for their business. Since NetCom Learning is an official AWS APN Training Partner, we suggested the AWS Security Essentials course for the Information Technology and Information Security Department of this company.

Let's understand how this amazing partnership proved a boon for our client and helped them find their perfect security solution!

Understanding Cloud Security

Robust cloud security is a necessity today for businesses making the transition to the cloud. Security threats are continuously progressing and becoming more complex, and cloud computing is no less at risk than an on-premises environment. Therefore, it is crucial to work with a cloud provider that offers best-in-class security that has been customized for your infrastructure.

Cloud computing is the distribution of hosted services, including hardware, software, and storage, through the Internet. Cloud computing has become virtually universal among organizations of all sizes because of the benefits it provides including low up-front costs, rapid deployment, flexibility, and scalability, often as part of multi-cloud infrastructure architecture. Data stored in the cloud is more secure because cloud service providers have superior security measures, and their employees are security experts. Depending on the type of attack, on-premises data can be more vulnerable to security breaches.

Dissolving Perimeters to Secure the Cloud Computing Environment

When NetCom Learning did a skill assessment of this organization's workforce, we found that many of them were lacking the cloud skills- which being a software development company is necessary to have. The same issue was addressed by the client as well that the workforce is not ready to embrace and provide security solutions to our customers since they are not well versed with it. After the skill analysis, we came to the conclusion that they were in critical need of a course comprehensive of architecture and security expertise on a notable public cloud platform. Hence, we chose the AWS Security Essentials- the top security solution for this organization.

One major reason why we suggested upskilling the Information Technology and Information Security Department of this organization is because of their significance in establishing the foundation of enterprises' cloud infrastructure and securing AWS applications.

The training was held for the employees in 2 sessions with 13 students in each batch and our AWS-accredited instructors provided customized reading material. By the end of this training, the client's staff had a complete understanding of AWS as an Infrastructure as a service (IAAS), covering all aspects of end-to-end software and hardware security with logging, auditing, and observance of IT environment in the AWS cloud.

Adopting a 'Cloud-First' Approach- Improved Cloud Security and Productivity

NetCom Learning's main goal was to help this company's manpower learn how to architect, deploy secure and robust applications on AWS Cloud, and train them on the major components in AWS technology. Based on their current skills, this course helped them in learning what security-oriented services are already available, as well as why and how the security services can help meet the security needs of their organization. Here is what the learners could grasp from our AWS Security Essentials training:

- Basic understanding of AWS Identity Management and Access control;
- Understanding and securing infrastructure in AWS;
- Ensuring Data Security in AWS;
- Monitoring, logging, and auditing in AWS;
- Recognizing security benefits and responsibilities when using the AWS Cloud;
- Different data encryption processes to secure confidential data and
- Outlining and designing architectural solutions based on customer requirements.

The training was highly successful, and our client requested to have one day extra access to class labs for the learners. Even though AWS labs could not be extended for extra days after training, but to meet our client's request we took permission from the management and assigned them labs for one day extra after the training. The client was highly delighted by this compassionate gesture of NetCom Learning.

From streamlining cloud services to improved cloud security to enhancing efficiency, our unique training solution helped America's leading software organization solve its security challenges fast and transform for tomorrow.

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We are NetCom Learning. We promote the values of lifelong learning.

NetCom Learning is an award-winning global leader in training, learning solutions, and talent development. Since 1998, we've been in the business of helping organizations reach optimal performance results and address challenges by managing all aspects of organizational learning.

With a team of dedicated and knowledgeable learning professionals having deep subject-matter expertise, NetCom Learning has serviced over 80% of Fortune 100 companies. We've helped over 10,000 organizations achieve their business goals by offering a full complement of Managed Learning Services, including IT and business training, curriculum design and content development, learning delivery and administration, consulting and advisory services, and management of learning technology.

We believe that an organization's ability to learn—and translate that learning into rapid action—is the ultimate competitive advantage.



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