bespoke
TRAINING SERVICES

aws partner network

Training Partner

Deep Learning on AWS

Duration: **1 Day** | Delivery Method: **AWS Instructor Led, Hands-on Labs**
AUD: **$850+GST** | NZD: **$850+GST** | SGD: **$850+GST**
Level: **Intermediate** | Modality: **Classroom**

Deep Learning on AWS is a one-day course that introduces you to cloud-based Deep Learning (DL) solutions on Amazon Web Services (AWS).

The training will detail how deep learning is useful and explain its different concepts. This course also teaches you how to run your models on the cloud using Amazon SageMaker, Amazon Elastic Compute Cloud (Amazon EC2)-based Deep Learning Amazon Machine Image (AMI) and MXNet framework. In addition, you will gain a better understanding of deploying your deep learning models using AWS services like AWS Lambda and Amazon EC2 Container Service (Amazon ECS) while designing intelligent systems on AWS, based on Deep Learning.

Course Objectives

This course teaches you how to:

- Define machine learning and deep learning.
- Identify the concepts in a deep learning ecosystem.
- Leverage Amazon SageMaker and MXNet programming framework for deep learning workloads.
- Fit AWS solutions for deep learning deployments.

Prerequisites

We recommend that attendees of this course have the following prerequisites:

- Basic understanding of machine learning processes
- Basic understanding of AWS core services like Amazon EC2 and knowledge of AWS SDK
- Basic knowledge of a scripting language (e.g., Python)

Intended Audience

This course is intended for:

- Developers responsible for developing Deep Learning applications
- Developers who want to understand concepts behind Deep Learning and how to implement a Deep Learning solution on AWS

Delivery Method

This course will be delivered through a mix of:

- Instructor-led Training (ILT)
- Hands-on Labs

Course Outline

This course covers the following concepts:

- ✓ Introduction to Machine Learning
- ✓ Introduction to Deep Learning
- ✓ Lab 1: Setting up a Deep Learning AMI instance and running a multi-layer perceptron neural network model
- ✓ Introduction to MXNet on AWS

- ✓ Lab 2: Running a Convolutional Neural Network (CNN) model to predict images using CIFAR-10 dataset
- ✓ Deploying Smart Applications on AWS
- ✓ Lab 3: Deploying a Deep Learning model for predicting images using AWS Lambda

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www.bespoketraining.com/courses/deep-learning-on-aws/#schedule

AWS Training & Certification Learning Path

Introduction

AWS Business Essentials

Instructor-Led

AWS Business Essentials
1x day

AWS Technical Essentials

Instructor-Led

AWS Technical Essentials
1x day

Role-based Courses

	Associate Level		Professional Level	
	Instructor-Led	Certification	Instructor-Led	Certification
Solutions Architect	Architecting on AWS **3x days**	AWS Certified Solutions Architect	Advanced Architecting on AWS **3x days**	AWS Certified Solutions Architect
Systems Operator	Systems Operations on AWS **3x days**	AWS Certified System Operator Administrator	DevOps Engineering on AWS **3x days**	AWS Certified DevOps Engineer
Developer	Developing on AWS **3x days**	AWS Certified Developer		

Specialty Courses

	Online	Instructor-Led	Instructor-Led
Security	Security Fundamentals on AWS **Free**	Security Engineering on AWS **3x days**	
Big Data	Big Data Fundamentals on AWS **Free**	Big Data on AWS **3x days**	Data Warehousing on AWS **3x days**
Migration		Migrating to AWS **2x days**	

Bootcamps

	Instructor-Led	Instructor-Led	Instructor-Led
Bootcamps	Container Enabled Microservices **1x day**	Taking Ops to the Next Level **1x day**	Next-Gen Apps **1x day**