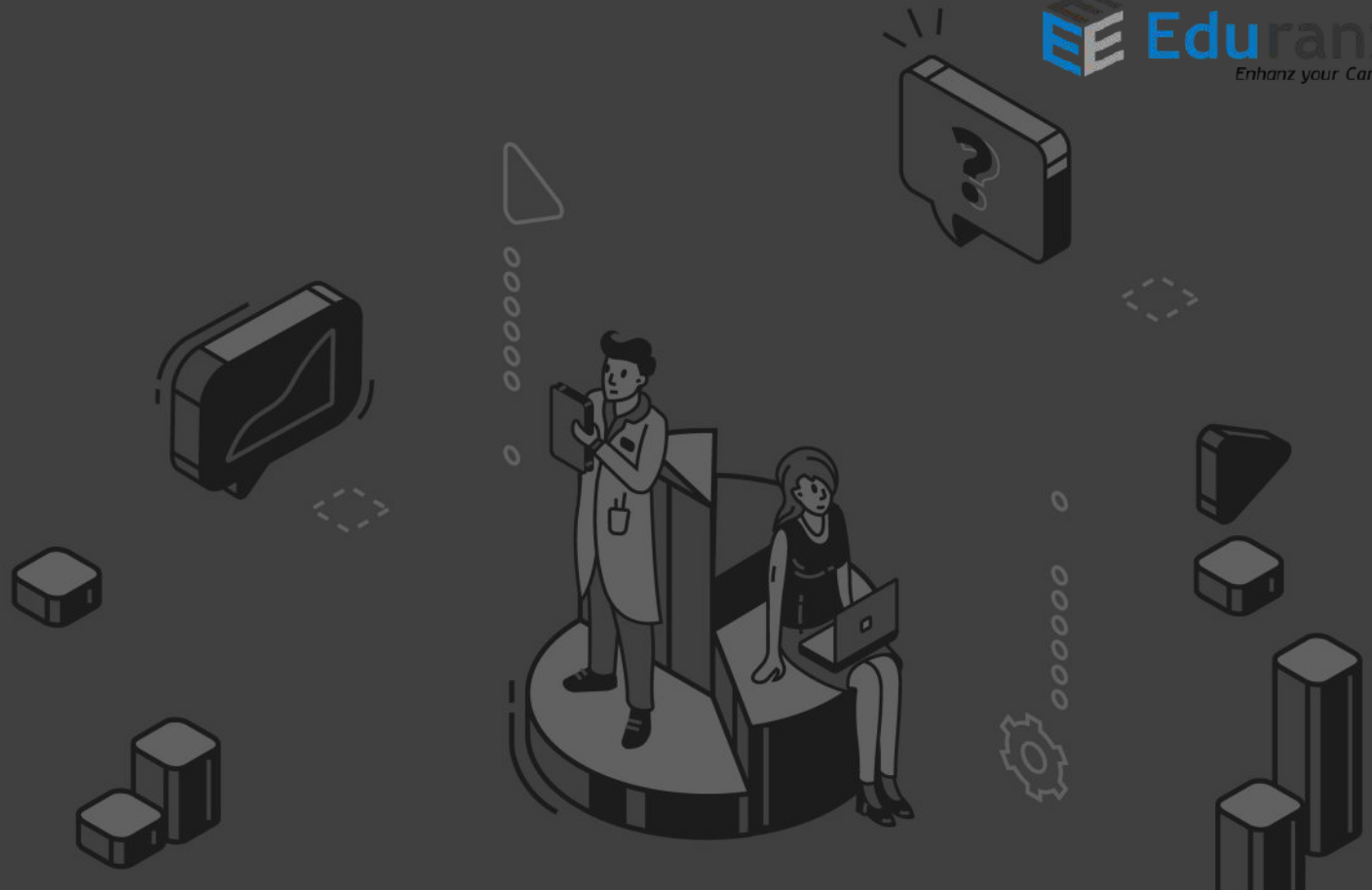




# CONTACT US

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## CLOUD & DEVOPS ARCHITECT MASTER'S CERTIFICATION PROGRAM

# ABOUT EDURANZ

Our head office is located in Jaipur, India and other branch offices are located in Dubai and Oman. Having more than two decades worth of experience in Technical Consultancy, Infrastructure Management, and IT, we are focusing on creating an ecosystem for e-learning and quality education. We have a world class team of experts in the field of IT and e-learning. Eduranz aims to provide learning services around the globe to learners who wish to pursue online courses from our Learning Management System. We are fully committed to help our learners in achievement their career goals.

**COMMITTED TO HELP  
YOU ACHIEVE YOUR  
CAREER GOALS.**

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# ABOUT THE COURSE

## INSTRUCTOR LED TRAINING

142 Hours of interactive live online class  
from well experienced instructors



## EXERCISE AND PROJECT WORK

240 Hours of multiple hands-on experience  
with industry oriented capstone project



## SELF PACED LEARNING

90 Hours of Self Paced Learning  
videos



## 24/7 SUPPORT

Dedicated support team ready to  
resolve your query 24/7



## CERTIFICATE AND PLACEMENT ASSISTANCE

Industry recognized certificate and  
placement assistance



# Why take this course?



## Demand of Cloud and DevOps Professionals

The pervasive growth of cloud computing technologies and DevOps can be seen all across the IT industry. DevOps focuses on process and process improvement. Cloud computing focuses on technology and services.

DevOps and Cloud computing both separately offers great business impact. But when brought together, both can drive meaningful IT transformations, which can impact greater business goals.

Having realized the demand of DevOps and cloud computing technologies, Eduranz brings to you the best Master's Certification Program.

This course is structured after consulting with industry experts and hiring managers, based on the industry requirements.

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## Curriculum - AWS Solutions Architect Certification Training

# Course Content



**1**

INTRO TO CLOUD  
COMPUTING & AWS

**2**

OBJECT STORAGE  
SERVICES

**3**

AUTO-SCALING, LOAD  
BALANCING AND  
ROUTE53

**4**

DATABASE AND  
ANALYTICS SERVICES

**5**

NETWORKING AND  
SECURITY SERVICES

**6**

AWS MONITORING  
SERVICES

**7**

APPLICATION SERVICES,  
AWS LAMBDA, ELASTIC  
OPSWORK & CLI

**8**

CONFIGURATION  
MANAGEMENT AND  
AUTOMATING  
SERVERS

## Curriculum - AWS Solutions Architect Certification Training



### IMPORTANT QUESTIONS ON AWS ARCHITECT EXAM

# Course Content



### Prerequisites

Basic knowledge of any programming language will be beneficial.

Also, having a knowledge in Networking and Operating System, like Linux, would come in handy for you, but it won't be necessary, we will teach you during the session

## Curriculum - DevOps Certification Training

# Course Content



**1**

INFRASTRUCTURE  
SETUP

**2**

INTRODUCTION TO  
DEVOPS

**3**

SOFTWARE VERSION  
CONTROL

**4**

CONTAINERIZATION  
WITH DOCKER

**5**

GETTING MORE INTO  
CONTAINERIZATION

**6**

CONFIGURATION  
MANAGEMENT  
WITH PUPPET

**7**

CONFIGURATION  
MANAGEMENT WITH  
ANSIBLE

**8**

CONTINUOUS  
TESTING WITH  
SELENIUM

## Curriculum - DevOps Certification Training

# Course Content



9

CONTINUOUS  
INTEGRATION WITH  
JENKINS

10

CONTINUOUS  
ORCHESTRATION  
WITH THE HELP OF  
KUBERNETES

11

CONTINUOUS  
MONITORING WITH  
NAGIOS

### Prerequisites

- Basic knowledge in Linux
- Knowledge of any Scripting language

## Curriculum - Azure Administrator Associate Training

# Course Content



**1**

IDENTITY

**2**

GOVERNANCE AND  
COMPLIANCE

**3**

AZURE  
ADMINISTRATION

**4**

VIRTUAL  
NETWORKING

**5**

INTER SITE  
CONNECTIVITY

**6**

NETWORK TRAFFIC  
MANAGEMENT

**7**

AZURE STORAGE

**8**

AZURE VIRTUAL  
MACHINES



## Curriculum - Azure Administrator Associate Training

# Course Content



9

SERVERLESS  
COMPUTING

10

DATA PROTECTION

11

MONITORING

### Prerequisites

- Basic knowledge in Linux
- Knowledge of any Scripting language

## Curriculum - Python Certification Training

# Course Content

**1**

INTRODUCTION AND  
BASICS OF PYTHON

**2**

PYTHON OBJECTS  
AND DATA TYPES

**3**

PYTHON STATEMENTS,  
CONTROL FLOW AND  
FUNCTIONS

**4**

OBJECT-ORIENTED  
PROGRAMMING  
CONCEPTS IN PYTHON

**5**

MODULES,  
PACKAGES, ERRORS &  
EXCEPTION  
HANDLING IN  
PYTHON

**6**

DECORATORS  
AND GENERATORS  
IN PYTHON

**7**

DATA PREPARATION

**8**

CLUSTER AND  
SEGMENTATION IN  
MATHEMATICAL  
COMPUTATION  
USING NUMPY

## Curriculum - Python Certification Training

# Course Content

**9**

DATA MANIPULATION  
USING PANDAS

**10**

DATA  
VISUALIZATION  
USING MATPLOTLIB  
AND SEABORN

**11**

MACHINE LEARNING  
WITH PYTHON

**12**

SUPERVISED  
LEARNING

**13**

UNSUPERVISED  
LEARNING

**14**

PYSPARK- AN  
INTEGRATION OF  
PYTHON WITH  
SPARK ( SELF-  
PACED)

### Prerequisites

- Basic understanding of computer functions

# Project



## Industry oriented projects - AWS

**Project:** Elastic load balancing and its configuration.

**Problem Statement:** As the AWS Engineer of the company, you need to launch two web servers and configure a load balancer, then auto-scale it.

**Industry:** Internet

**Topic:** Load balancer

**Project:** Orchestrate a website

**Problem Statement:** First deploy a high-availability PHP application on Elastic Beanstalk, with lesser time and higher availability along with auto-scaling. The primary tasks would be launching a DB instance in Amazon RDS, creating an Elastic Beanstalk Environment, and configuring Security Groups.

**Industry:** Internet

**Topic:** Elastic Beanstalk

**Project:** Scaling a website without zero upfront cost using AWS

**Problem Statement:** Without any investment in hardware you need to launch virtual servers and configure their security, also manage storage.

**Industry:** Internet

**Topic:** EC2, RDS, traffic from EC2 to RDS

# Project



## Industry oriented projects - Azure

### Project 1

Project Name: Secure active directory by adding multi-factor authentication

Problem Statement: As the Azure Administrator of the organization, you have received a task where you need to provide access to some of the services, which are managed by the organization's active directory. Also you need to add users in the active directory then give users access. In order to do that first you need to create users in a custom active directory domain. Then as the requirement says, set up a password authentication method with MFA verification option.

Industry: I.T

Topic: Azure active directory, Azure Multi-Factor Authentication

### Project 2

Project Name: Mid-scale website deployment using Azure

Problem Statement: Your start-up is ready to hit the market. Your website is ready. Now it's time for deployment. With the help of Azure you need to deploy the website in two different regions where you have more potential customers. You need to control, manage and monitor the traffic geographically. To ease up the processes once the traffic becomes more, you are taking a few calculated measures. Such as enabling path based Routing for your website, enabling communication between the servers, and storing data on the cloud.

Industry: I.T

Topic: Blob storage, Application gateway, Traffic manager, Virtual Network Peering

# Project



## Industry oriented projects - DevOps

### Project 1

Project Name: Implementation of DevOps in an Organization by creating CI/CD pipeline in the website

Problem Statement: Your organization is starting to grow in the market. Now, you are aiming to deliver product updates frequently to the production server without hampering the quality and reliability. But as the organization is evolving some major issues are coming up, which are mainly because while building the project, several modular components, several frameworks, components developed by 3rd party partners were used. Multiple versions of different codes, components, and environments to deploy. Now in order to resolve the issues and have continuous integration for continuous delivery you have decided to use DevOps.

Industry: E-Commerce

Topic:

- git
- Maven
- Jenkins
- Docker
- Puppet
- Nagios

# Project



## Industry oriented projects - Python

Project 1

Project Name: Word matcher program

Problem Statement: Write a Python program that matches a word at the beginning of a string.

Industry: I.T

Topic:

- Regex
- Conditional statement,
- Function

Project 2:

Project Name: Website blocker using Python

Problem Statement: Your company wants to build a program to block certain websites like Facebook, YouTube, etc during work hours. As a Python developer, the task comes to you to find a solution for the problem. Write a Python program to build the website blocker.

Industry: I.T

Topic:

- File handling
- Time
- DateTime

# Reviews



## "I heartily thank Eduranz"

"I am thankful to Eduranz which is one of the best Educational organizations. I have undergone highly rated course (Cloud and Devops Master's). The Amount which Eduranz is Charging for all the Cloud Technology is way less than other vendors in the Market. I heartily thank eduranz for helping me to make my career. The overall team [Trainers, support team, online support team] is the best." - **Shaily Aggarwal (Head - Talent Acquisition)**

<https://www.linkedin.com/in/raja-velan-793b211b/>

## "Awesome learning methodology"

"Awesome learning methodology. Instructors are directly from IT Industry to share the real challenges to stand and maintain required skills in current IT Industry." - **Avni Ahuja (Assistant Vice President - GENPACT)**

<https://www.linkedin.com/in/anil-sadaye-5a317925/>



## "Good Work Eduranz!"

"The instructor was very good and prompt in responding to questions. Excellent virtual class experience. Good Work Eduranz!- **Rajeev Kathuria (West Head- Partner Management - Samsung)**

<https://www.linkedin.com/in/rajeev-kathuria-818414a/>



## "Enjoyed the training"

"I always enjoyed the training classes at eduranz!. The exciting part of the lectures was always the Q&A session at the end of the lecture where I got to hear some practical/real-world tips and directions from the instructor." - **Prashant Gera (Software Development Manager - Amazon USA)**

<https://www.linkedin.com/in/prashantgera/>



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**More on**

<https://www.eduranz.com/reviews>



## FAQs



### What if I miss a Class?

No one misses any lecture at Eduranz, because you will be provided with the recorded sessions of the class on your LMS within 24 hours and despite that, you can also attend any different live session to cover up the missed topic and ask your doubts from the trainer.

### What training modes are available for this Cloud & DevOps Architect Master's Certification Program?

For Cloud & DevOps Architect Master's Certification Program course Eduranz is providing both **live Online Classes and Self Paced Learning videos**.

With online class training, you can access courses via video conferencing from your desktop to increase productivity and reduce work time and personal time. Our online classes will be recorded so that you don't miss a single concept. With self paced videos you get to go through the complete course at your own pace, from our LMS.

### Who are our instructors and how are they chosen?

All of our highly qualified trainers are industry experts with at least 10-12 years of relevant teaching experience. Each of them underwent a rigorous selection process that included screening profiles, technical assessments, and training demonstrations before being certified for training.

## FAQs



### **How is the Eduranz Certified Certificate given?**

After completing the training program along with mini-projects, tests, and assignments, you will be working on a real-world industry oriented capstone project. Upon completion of the project you will be awarded with an industry recognized certificate by Eduranz.

### **Can I request a support session if I want to understand the topic better?**

Eduranz offers 24/7 customer query solution commitment. You just need to raise a query ticket at any time to our dedicated support team. You can use email support for all your questions as well. If your request is not answered via email, we can also arrange one-on-one discussions with our instructors. You will be glad to know that even after completing the program you can switch to Eduranz support. We don't limit the number of query tickets you can raise during the process.

### **Will the job support program guarantee me a job?**

Our job assistance program will help you reach the job that you have been seeking. Under this support program, we help you by building your professional resume and then sharing it across our network companies that we have tie ups with. You will be prepared for interviews through mock sessions by instructors.

However, Eduranz is not a recruitment or job agency, we do not guarantee you a job. We share your profile with different companies, then entire process is handled by the company and the result is totally based on the their decision.