



Softcrayons

# AZURE AZ-104

**Empowering minds  
shaping futures**



# PROFESSIONAL CERTIFICATION IN

# AZURE (AZ-104)



## PROSPECTUS



# Key Advantages of Choosing Softcrayons

## FOR STUDENTS

**Supplemental Learning Resources:** Softcrayons offers offline and online courses, educational materials, and additional resources that can complement and enhance college students' learning.

**Skill Development:** Softcrayons offer courses and certifications focused on developing specific skills that are in high demand in the job market.

**Career Exploration:** Softcrayons offer a wide range of courses across various disciplines, enabling college students to explore different fields and potential career paths.

**Industry Relevance:** Softcrayons frequently collaborates with industry professionals and experts to ensure that the knowledge and skills imparted are relevant and aligned with current industry practices and trends.

## FOR FREELANCER & JOB SEEKER

**Flexibility:** Softcrayons offers online courses and programs that can be accessed from anywhere.

**Skill Development:** To acquire in-demand skills according to the latest industry trends and technologies to stay competitive in the job market.

# Key Advantages of Choosing Softcrayons

**Certifications:** Softcrayons provides you with Professional Certifications and helps you with Resume Enhancement.

**Career Support:** Softcrayons also offers career counseling and job placement assistance, which can be invaluable for freelancers seeking new projects or job seekers looking for employment.

## FOR ENTREPRENEURS AND BUSINESS OWNER

**Upskilling and Reskilling:** As the business landscape evolves rapidly, Softcrayons ensure that you stay up-to-date with the latest trends, technologies, and best practices.

**Flexible Learning:** Online courses offered by Softcrayons allow you to learn at your own pace, fitting your studies around your busy schedules.

**Entrepreneurial Skills Development:** Softcrayons offers courses and programs specifically designed to help entrepreneurs develop essential skills.

**Cost-effective:** Softcrayons provides more affordable learning options that help you invest in your professional development without straining your budget.

# About The Program

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Softcrayons offers best Azure (AZ-104) Administrator training, designed to provide students with essential skills to manage Azure services, implement, and monitor identity, governance, storage, and security in cloud environments. This course is ideal for IT professionals aspiring to become certified Azure Administrators and offers both theoretical and hands-on practical experience. Softcrayons is recognized as the best institute for AZ-104 training, providing both online and offline courses designed to meet industry standards. The course covers critical topics like managing Azure resources, virtual networks, security solutions, and more. With 100% placement assistance, Softcrayons ensures that every student is prepared for the job market post-certification. Furthermore, as an official partner of Pearson, Softcrayons provides certified testing facilities, adding credibility to your Azure certification journey.



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# AZURE(AZ-104)

## TRAINING CURRICULUM

### 1 Introduction to Microsoft Azure and Certification Overview

#### – Day 1

- Overview of Azure cloud services and core concepts
- Understanding the AZ-104 certification structure and objectives
- Setting up an Azure free account
- Overview of Azure Portal, Azure CLI, and PowerShell

### 2 Managing Azure Subscriptions and Resources

#### – Day 2

- Understanding Azure Resource Manager (ARM)
- Managing subscriptions, resource groups, and tags
- Monitoring costs and usage with Azure Cost Management
- Role-based access control (RBAC) and managing resource access

### 3 Implementing and Managing Storage

#### – Day 3

- Understanding Azure Storage accounts and their types
- Configuring Blob Storage, File Storage, and Table Storage
- Managing storage access keys and Shared Access Signatures (SAS)
- Using Azure Storage Explorer and integrating with on-premises storage

### 4 Configuring Virtual Machines (VMs)

#### – Day 4

- Creating and configuring Windows and Linux virtual machines
- Managing VM sizes, scaling, and availability sets
- Configuring disks, network interfaces, and VM extensions
- Understanding VM backups and snapshots

## 5 Automating VM Deployment

### – Day 5

- Using ARM templates for VM deployment
- Introduction to Azure Automation and Azure Functions
- Configuring auto-scaling for virtual machines
- Managing Azure Bastion for secure VM access

## 6 Managing Azure Virtual Networking

### – Day 6

- Understanding Virtual Networks (VNet) and subnets
- Configuring Public and Private IP addresses
- Setting up Network Security Groups (NSGs) and rules
- Understanding DNS and custom DNS configurations

## 7 Configuring Load Balancing and Network Security

### – Day 7

- Setting up Azure Load Balancers and Application Gateways
- Configuring Azure Firewall and Azure DDoS Protection
- Implementing Network Watcher for monitoring and diagnostics
- Understanding Traffic Manager and VPN Gateway

## 8 Managing Identities with Azure Active Directory (AAD)

### – Day 8

- Introduction to Azure Active Directory
- Managing users, groups, and roles in AAD
- Configuring Multi-Factor Authentication (MFA)
- Integrating on-premises Active Directory with Azure AD Connect

## 9 Configuring and Managing Virtual Networks

### – Day 9

- Implementing peering between VNets
- Configuring point-to-site and site-to-site VPNs



- Implementing VNet-to-VNet connections
- Working with ExpressRoute for private connectivity

## 10 Managing Azure App Services

### – Day 10

- Introduction to App Services and Web Apps
- Deploying and managing App Services
- Configuring custom domains and SSL certificates
- Implementing backup, restore, and scaling for Web Apps

## 11 Monitoring and Troubleshooting in Azure

### – Day 11

- Using Azure Monitor for logs and metrics
- Configuring Application Insights for performance monitoring
- Setting up alerts and action groups
- Using Azure Service Health and diagnosing issues

## 12 Backup and Disaster Recovery Solutions

### – Day 12

- Understanding Azure Backup and Azure Site Recovery
- Configuring backup policies and performing restores
- Implementing Azure Site Recovery for disaster recovery
- Using Recovery Services vaults for data protection

## 13 Implementing Security Solutions in Azure

### – Day 13

- Implementing Azure Key Vault for managing secrets
- Configuring Azure Security Center and Defender
- Understanding encryption options (data at rest and in transit)
- Implementing role-based access control (RBAC) and conditional access policies

## 14 Practice Exams and Review Sessions


### – Day 14

- Practice questions based on real exam scenarios
- Reviewing key concepts and addressing doubts
- Tips for time management and tackling exam questions
- Mock exam session with analysis of results

## 15 Final Review and Q&A

### – Day 15

- Recap of all topics covered in the course
- Final Q&A session to clarify any last-minute questions
- Best practices for exam day preparation
- Next steps for certification and beyond

 SOFTCRAYONS®

# PLACEMENT COMPANIES



# Testimonials of Students



**Sukhpreet Kaur**

2 reviews

★★★★★ 2 weeks ago **NEW**

Hlo mam I'm Sukhpreet your Softcrayons tarining institute in student my training is digital marketing course 😊 I'm very becoz I'm digital marketing beginner but my experience to much becoz my trainer is very intelligent and supportive and nature is very friendly 😊



**Manish Malik**

1 review

★★★★★ 2 weeks ago **NEW**

I'm new student in softcrayons my starting classes all gud my softcrayons experience to much better becoz my trainer is very experienced



**Aman Bhardwaj**

2 reviews

★★★★★ 5 months ago

I am Aman Bhardwaj, Recently I completed a Digital Marketing course from Softcrayons. After completing my course I got a placement at SNVA Ventures with a good salary package. If you want to do a course and boost your career in the Digital Marketing field. I will recommend you visit Softcrayons. If I talk about the environment and faculty then Softcrayons have a very good and friendly environment and their faculty is highly experienced in the Digital Marketing field. Specifically, Yashvant sir is one of the best trainer and they have great experience in the Digital Marketing field. Thank you Softcrayons and all staff who helped me boost my career in the Digital Marketing field.



**Shivam Sharma**

1 review

★★★★★ 2 months ago

I got the chance to study with the best teacher and they provided me a good career guidance. a veryb great place to learn programming and start your career.



**Lalita Tiwari**

1 review

★★★★★ 5 months ago

I heard about softcrayons through friends and I enroll myself here, and done my course. I suggest you all to join softcrayons. Hope you do great.



**Tanish Chandrawal**

5 reviews

★★★★★ 5 months ago

It is good institute, practical oriented practice is very good. This institute is very useful for graduate students to make carrier in IT. 100% job guarantee is available for all students. Very good Institute for Cloud Computing like Azure, AWS, GCP.



**Aman Vishwakarma**

2 reviews

★★★★★ 2 months ago

Hie guys I'm aman softcrayons institute students for AutoCAD.. softcrayons institute is best training institute sarfaraz sir is best teacher for softcrayons. And best institute softcrayons



# **SOFTCRAYONS®**



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