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CERTIFIED AZURE PROGRAM BROCHURE



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WHY VIRAJETECH?

“OUR VISION”

To be the safest, most progressive Technology Provider, relentless in the pursuit of Client and employee excellence

Virajetech's Placement Team has garnered a reputation for the industry's most exceptional placement records. Their dedicated efforts have facilitated the successful transition of thousands of aspirants into flourishing careers .



EXPERT TRAINERS

10+year experienced and

Industry Experts

Elite Faculty from Prestigious universities with deep research and coaching expertise

JOB ASSISTANCE

End to End job Support

Personalized resume and interview preparation support Job updates and connects

COMPREHENSIVE

30 hours & 700+ Learning Hrs.

Syllabus aligned with virajetech standards and rigorously updated to match with latest industry requirements



REALTIME EXPERIENCE

Projects and Internships

20 capstone projects and 1 client projects with active interaction
Internship -developing POCs

PROGRAM STRUCTURE

- THE COURSE FOR BEGINNER'S PROFESSIONALS AND INTERMEDIATE LEARNERS IN THE FIELD OF
- AZURE THIS IS A CAREER- ORIENTED PROGRAM, DESIGNED TO IMPART A STRONG FOUNDATION



- PRE COURSE SELF-STUDY HIGH QUALITY VIDEOS
- EASY LEARNING APPROACH.
- CERTIFICATIONS
- JOB READY PROGRAM



- LIVE TRAINING
- 30 HOUR A WEEK
- COMPREHENSIVE SYLLABUS
- HANDS-ON PROJECTS
- EXPERT TRAINERS AND MENTORS

Azure Programming in Azure Security Technologies



Microsoft
Azure



WHY AZURE?

In the IT industry, pursuing Azure courses has become increasingly essential due to the growing prominence of cloud computing. Microsoft Azure, a leading cloud platform, provides a comprehensive suite of services for computing, storage, networking, and more. As organizations increasingly transition their infrastructure to the cloud, professionals with expertise in Azure gain a competitive edge. Azure courses equip IT professionals with the knowledge and skills to effectively design, deploy, and manage cloud solutions, enabling businesses to enhance scalability, flexibility, and cost efficiency. Moreover, Azure certification demonstrates proficiency in cutting-edge technologies, making individuals valuable assets to employers seeking to modernize their IT infrastructure and stay ahead in the rapidly evolving digital landscape.

Azure Programming in Microsoft Azure Security Technologies

1 Introduction

- *Configure Microsoft Entra ID and Microsoft Entra Domain Services for security*
- *Create users and groups that enable secure usage of your tenant*
- *Use MFA to protect user's identities*
- *Configure passwordless security options*
- *Explore Microsoft Entra features*
- *Self-managed Active Directory Domain Services, Microsoft Entra ID, and managed Microsoft Entra Domain Services*
- *Microsoft Entra Domain Services and self-managed AD DS*
- *Microsoft Entra Domain Services and Microsoft Entra ID*
- *Investigate roles in Microsoft Entra ID*
- *Microsoft Entra built-in roles*
- *Deploy Microsoft Entra Domain Services*
- *Create and manage Microsoft Entra users*
- *Manage users with Microsoft Entra groups Configure Microsoft Entra administrative units Implement passwordless authentication*

2 Implement Hybrid identity

- *Deploy Microsoft Entra Connect*
- *Explore authentication options*
- *Configure Password Hash Synchronization (PHS)*
- *Implement Pass-through Authentication (PTA) Deploy*
- *Federation with Microsoft Entra ID*
- *Explore the authentication decision tree*
- *Deploy Microsoft Entra Connect*
- *Pick and configure that best authentication option for your security needs*
- *Configure password writeback*

3 Deploy Microsoft Entra ID Protection

- *Explore Microsoft Entra ID Protection*
- *Configure risk event detections*
- *Implement user risk policy*
- *Implement sign-in risk policy*
- *Deploy multifactor authentication in Azure*
- *Explore multifactor authentication settings*
- *Enable multifactor authentication*
- *Implement Microsoft Entra Conditional Access*
- *Configure conditional access conditions*
- *Implement access reviews*
- *Explore try-this exercises*

4 Configure Microsoft Entra Privileged Identity Management

- ***Explore the zero trust model***
- ***Review the evolution of identity management***
- ***Deploy Microsoft Entra Privileged Identity Management***
- ***Configure privileged identity management scope***
- ***Implement privileged identity management onboarding***
- ***Explore privileged identity management configuration settings***
- ***Implement a privileged identity management workflow***
- ***Explore Try-This exercises***
- ***Describe Zero Trust and how it impacts security***
- ***Configure and deploy roles using Privileged Identity Management (PIM)***
- ***Evaluate the usefulness of each PIM setting as it relates to your security goals***

5 Design an enterprise governance strategy

- ***Review the shared responsibility model***
- ***Explore the Azure cloud security advantages***
- ***Review Azure hierarchy of systems***
- ***Configure Azure policies***
- ***Enable Azure role-based access control (RBAC)***
- ***Compare and contrast Azure RBAC vs Azure policies***
- ***Configure built-in roles***
- ***Enable resource locks***
- ***Deploy Azure blueprints***
- ***Design an Azure subscription management plan***
- ***Explain the shared responsibility model and how it impacts your security configuration***
- ***Create Azure policies to protect your solutions***
- ***Configure and deploy access to services using RBAC***

6 Implement perimeter security

- *Define defense in depth*
- *Explore virtual network security*
- *Enable Distributed Denial of Service (DDoS) Protection*
- *Configure a distributed denial of service protection implementation Explore*
- *Azure Firewall features*
- *Deploy an Azure Firewall implementation*
- *Configure VPN forced tunneling*
- *Create User Defined Routes and Network Virtual Appliances*
- *Explore hub and spoke topology*
- *Define defense in depth*
- *Protect your environment from denial-of-service attacks*
- *Secure your solutions using firewalls and VPNs*
- *Explore your end-to-end perimeter security configuration based on your security posture*

7 Configure network security

- *Explore Network Security Groups (NSG)*
- *Deploy a Network Security Groups implementation*
- *Create Application Security Groups*
- *Enable service endpoints*
- *Configure service endpoint services*
- *Deploy private links*
- *Implement an Azure application gateway*
- *Deploy a web application firewall*
- *Configure and manage Azure front door*
- *Review ExpressRoute*
- *Deploy and configure network security groups to protect your Azure solutions*
- *Configure and lockdown service endpoints and private links*
- *Secure your applications with Application Gateway, Web App Firewall, and Front Door*
- *Configure ExpressRoute to help protect your network traffic*

8 Configure and manage host security

- *Enable endpoint protection*
- *Define a privileged access device strategy*
- *Deploy privileged access workstations*
- *Create virtual machine templates*
- *Enable and secure remote access management*
- *Configure update management*
- *Deploy disk encryption*
- *Managed disk encryption options*
- *Deploy and configure Windows Defender*
- *Microsoft cloud security benchmark in Defender for Cloud*
- *Explore Microsoft Defender for Cloud recommendations*
- *Configure and deploy Endpoint Protection*
- *Deploy a privileged access strategy for devices and privileged workstations*
- *Secure your virtual machines and access to them*
- *Deploy Windows Defender*
- *Practice layered security by reviewing and implementing Security Center and Security Benchmarks*

9 Enable Containers security

- *Explore containers*
- *Configure Azure Container Instances security*
- *Manage security for Azure Container Instances (ACI)*
- *Explore the Azure Container Registry (ACR)*
- *Enable Azure Container Registry authentication*
- *Review Azure Kubernetes Service (AKS)*
- *Implement an Azure Kubernetes Service architecture*
- *Configure Azure Kubernetes Service networking*
- *Deploy Azure Kubernetes Service storage*

- *Secure authentication to Azure Kubernetes Service with Active Directory*
- *Manage access to Azure Kubernetes Service using Azure role-based access controls*
- *Define the available security tools for containers in Azure*
- *Configure security settings for containers and Kubernetes services*
- *Lock down network, storage, and identity resources connected to your containers*
- *Deploy RBAC to control access to containers*

10 Configure and manage host security

- *Explore Azure Key Vault*
- *Configure Key Vault access*
- *Review a secure Key Vault example*
- *Deploy and manage Key Vault certificates*
- *Create Key Vault keys*
- *Manage customer managed keys*
- *Enable Key Vault secrets*
- *Configure key rotation*
- *Manage Key Vault safety and recovery features*
- *Perform Try-This exercises*
- *Explore the Azure Hardware Security Module*
- *Define what a key vault is and how it protects certificates and secrets*
- *Deploy and configure Azure Key Vault*
- *Secure access and administration of your key vault*
- *Store keys and secrets in your key vault*
- *Explore key security consider like key rotation and backup / recovery*

11 Configure application security features

- ***Review the Microsoft identity platform***
- ***Explore the Application model***
- ***Register an application with App Registration***
- ***Configure Microsoft Graph permissions***
- ***Enable managed identities***
- ***Azure App Services***
- ***App Service Environment***
- ***Azure App Service plan***
- ***App Service Environment networking***
- ***Availability Zone Support for App Service Environments***
- ***App Service Environment Certificates***
- ***Register an application in Azure using app registration***
- ***Select and configure which Microsoft Entra users can access each application***
- ***Configure and deploy web app certificates***

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12 Implement storage security

- *Define data sovereignty*
- *Configure Azure storage access*
- *Deploy shared access signatures*
- *Manage Microsoft Entra storage authentication*
- *Implement storage service encryption*
- *Configure blob data retention policies*
- *Configure Azure files authentication*
- *Enable the secure transfer required property*
- *Define data sovereignty and how that is achieved in Azure*
- *Configure Azure Storage access in a secure and managed way*
- *Encrypt your data while it is at rest and in transit*
- *Apply rules for data retention*

13 Configure and manage SQL database security

- *Enable SQL database authentication*
- *Configure SQL database firewalls*
- *Enable and monitor database auditing*
- *Implement data discovery and classification*
- *Microsoft Defender for SQL*
- *Vulnerability assessment for SQL Server*
- *SQL Advanced Threat Protection*
- *Explore detection of a suspicious event*

- *SQL vulnerability assessment express and classic configurations*
- *Configure dynamic data masking*
- *Implement transparent data encryption*
- *Deploy always encrypted features*
- *Deploy an always encrypted implementation*
- *Configure which users and applications have access to your SQL databases*
- *Block access to your servers using firewalls*
- *Discover, classify, and audit the use of your data*
- *Encrypt and protect your data while it is stored in the database.*

14 Configure and manage Azure Monitor

- *Explore Azure Monitor*
- *Configure and monitor metrics and logs*
- *Enable Log Analytics*
- *Manage connected sources for log analytics*
- *Configure properties for diagnostic logging*
- *Configure and monitor Azure Monitor*
- *Define metrics and logs you want to track for your Azure applications*
- *Connect data sources to and configure Log Analytics*
- *Create and monitor alerts associated with your solutions security*

15 Enable and manage Microsoft Defender for Cloud

- *MITRE Attack matrix*
- *Implement Microsoft Defender for Cloud*
- *Security posture*
- *Workload protections*
- *Deploy Microsoft Defender for Cloud*
- *Azure Arc*
- *Azure Arc capabilities*
- *Microsoft cloud security benchmark*
- *Configure Microsoft Defender for Cloud security policies*
- *View and edit security policies*
- *Manage and implement Microsoft Defender for Cloud recommendations*
- *Explore secure score*
- *Define brute force attacks*
- *Understand just-in-time VM access*
- *Implement just-in-time VM access*

INTERNSHIP

Explore valuable internship opportunities with us! Join a dynamic and innovative environment, collaborate on real-world projects, and enhance your skills. We're seeking motivated individuals with a passion for learning and strong communication skills. This internship offers hands-on experience, exposure to industry best practices, and potential career pathways.



VIRAJETECH EXPERTISE CLASS



VIRAJETECH EXPERTISE CLASS

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Mapping your
profile to suitable
job role

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interview questions
course included

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Connect with
successful Alumni to
learn from experience

RESUME SUPPORT

Personalized resume
creation support from
professionals

PLACEMENT ASSISTANCE



Mercedes-Benz



OUR LEARNER'S FEED BACK

HIGHEST LEVEL OF CUSTOMER DELIGHT



ruchi s

1 review · 3 photos

★★★★★ 3 months ago

VirajeTech has been a game-changer for me. Their training courses have provided me with the skills I needed to excel in my career 4X. The instructors and Arjun sir are passionate about what they do, and it shows in their teaching. Hands on and practical way of teaching, I highly recommend VirajeTech to anyone looking to further their knowledge and skills.

⋮



Anoop G

6 reviews

★★★★★ 3 months ago

Getting placed at Amency was a dream come true, and I owe a big thank you to VirajeTech for making it possible. The instructors were experts in their field, and they created a supportive learning environment. The hands-on approach and practical exercises made all the difference.

⋮



Sachidanand Shahane

3 reviews

★★★★★ 7 months ago

I am part of the AWS Associate master Class. The course was designed in a fashion that we are able to cover most of the content in a very short time. our trainer Kumar sir clarified any doubt we had and also pushed us to do the practicals which is really helpful in the learning process. He having vast knowledge and experience in Devops and Multi cloud platform(AWS,Azure,GCP),he provide the opportunity to get as much knowledge and guidance as possible. each session are interactive has real time use cases.

⋮



Sayali Gawde

2 reviews

★★★★★ a year ago

Thanks for the AWS tutoring by Virajtech. The best decision I have taken in my career so far. Instructor was very helpful and gave all possible solutions related to the problem which we faced in real time scenarios. This is what I have experienced in this course, a very practical and beneficial one.

⋮



Piyush Poply

2 reviews

★★★★★ 3 years ago

I am connected with this organization since its inception. This is one of the best places to learn, practice and grow your skills up to the standards of the industry. As in IT industry, maintaining your skills and updating yourself is the most important thing, we should never stop learning and this is exactly what this institute provides. The online classes are really great as well as the trainers.

⋮



Harpreet Singh

12 reviews

★★★★★ 7 months ago

Give very detailed explanation and also live teaching classes. Covering all latest topics which for sure help in getting jobs in today's market

⋮

ADMISSIONS AND CONTACTS

ENQUIRE FOR DETAILED INFORMATION FOR ENROLLMENT

DURATION:35 HOURS

LEARNING : ONLINE MODE

b 1st floor, 64, 3rd Cross Rd, Electronics City

Phase 1, Electronic City, Bengaluru, Karnataka

560100

PHN NO:8618501719



SELF STUDY

8 HRS/WEEK



INSTRUCTOR LED LIVE ONLINE LEARNING

8 HRS/WEEK



PROJECTS & ASSESSMENTS

4 HRS/WEEK

20 HOURS A WEEK COMMITMENT



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