

# Microsoft Azure Security Technologies

Training and Certification

Cyber Security Educational Courses Professional Sessions

## ABOUT US

We offer Cyber Security and Information Security training and Certification in Delhi for Cyber Security and Information Technology aspirants. Since Decade, we have been in the Information Technology and Cybersecurity industry. You can learn more about cybersecurity, Techniques, and Tools to choose a better career path.

## DESCRIPTION

The Microsoft AZ-500 certification program focuses on security-related tools and functions in Microsoft Azure. In addition, this value-added Microsoft AZ-500 Course Training is intended for IT specialists who wish to advance their knowledge of managing and safeguarding cloud systems, particularly those built on the Azure platform.



Duration -  
40Hrs



Language -  
Hindi & English



Mode -  
Online & Offline

## BENEFITS

1. Basic to Advanced Courses
2. Interview Cracking and Proposal-Making Sessions
3. Transparent Syllabus
4. Career-Oriented Courses and Certifications
5. International Accreditation

**CRAW**  
ACADEMY

### SAKET ADDRESS



1st Floor, Plot no. 4, Lane no. 2,  
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SAMPLE CERTIFICATE



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## MICROSOFT AZURE SECURITY TECHNOLOGIES COURSE MODULE

### Module 01: Introduction to Azure

- Compute Services
- Storage
- Why Use Azure
- List the benefits of using Microsoft Azure.
- How does Azure work
- Why use Azure
- Why do we need Azure

### Module 02: Active Directory (AD) of Azure for Workloads

- Introduction to Azure Active Directory
- Azure AD tenants
- Password reset
- AD Connect and its implementation
- Using AD Connect Health for monitoring
- MFA and SSO
- Protection of identity
- Registration of apps
- Creating service principals
- Privileged Identity
- Management (PIM)
- RBAC
- Activating a PIM role

### Module 03: Network Security for the Protection of the Platform

- Using portals to build a network
- Utilizing PowerShell and building subnets and Vnets
- Connectivity and peering in Vnet
- Routing
- DNS: Private and public
- DNS and the Internet
- Network security groups (NSGs)
- Network Watcher
- Building and configuring NSGs
- Services of load balancing in Azure
- Configuring App Gateway
- Azure Firewall and Front Door
- Distributed Denial of Service (DDoS) and its configuration
- Azure Bastion

## CRAW SECURITY

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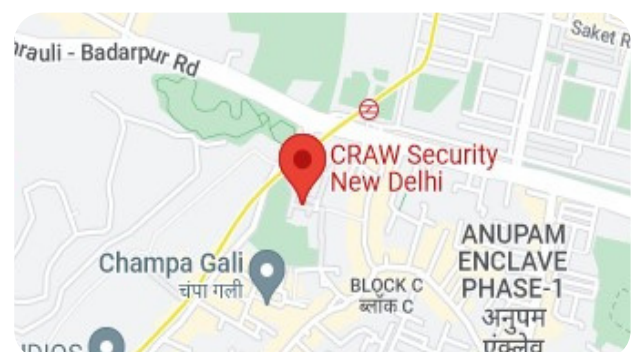
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## MICROSOFT AZURE SECURITY TECHNOLOGIES COURSE MODULE

### Module 04: Host Security for the Protection of the Platform

- Virtual machines (VMs)
- Deploying a VM using PowerShell and the portal
- Zones and sets and their availability
- VM Storage
- Disk caching
- Encryption of disk in Azure
- Key vault creation for disk encryption
- Management of virtual machines
- Azure Security Center

### Module 05: Security and Containers

- Installation of Git and Docker
- Azure Kubernetes Service (AKS)
- Building Azure Container Registry
- Developing a Kubernetes cluster
- Using Kubernetes to run applications
- Securing the Container Registry
- Securing the Container Registry

### Module 06: Role-based Access Control (RBAC) and Security Operations

- Implementing RBAC
- Azure Policy
- Implementing Azure Region Policy
- Subscription policies
- Resource locks and their implementation
- Alerts and Azure Monitor
- Log analytics
- Introduction to Azure Security Center
- Preventing, predicting, and responding to threats

### Module 07: Data Services Security

- SQL services in Azure
- Developing a SQL database in Azure
- Strategies of caching
- Auditing design
- Long-term retention of SQL backup
- Cosmos DB, along with its levels of consistency
- Data Lake store in Azure
- Data types

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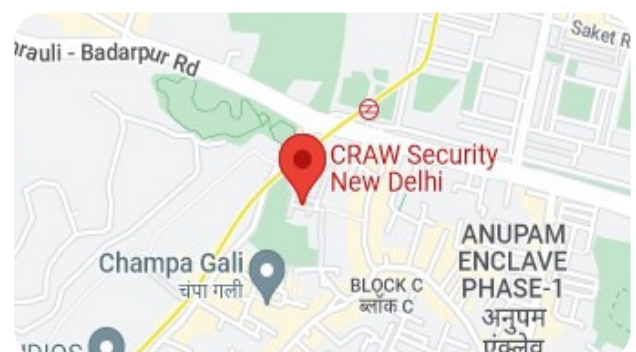
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## MICROSOFT AZURE SECURITY TECHNOLOGIES COURSE MODULE

### Module 08: Security of Storage

- Introduction
- Storage accounts
- Using the portal to build a storage account
- Utilizing Azure Storage and Storage Explorer
- SAS development and management
- Encryption keys

### Module 09: Azure Support and Pricing

- Azure subscriptions
- Management groups
- Available options for purchasing Azure product and services
- Usage of metrics
- Costing factors
- Zones for billing concepts
- Pricing calculator of Azure
- Azure's total cost of ownership (TCO)

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Modules - 09  
Duration- 40 Hours

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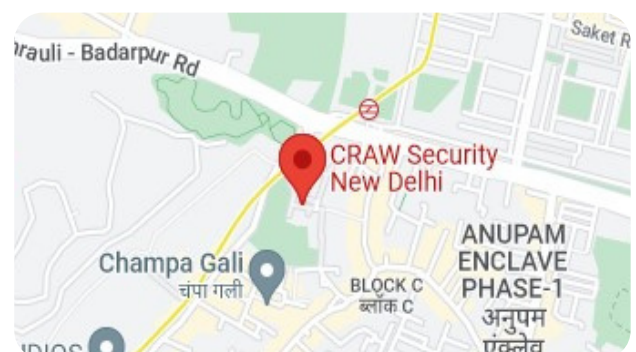
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