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## Course: Microsoft Azure Training

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

Since 2007, Nestsoft TechnoMaster has been providing training, internships, and services in IT technologies, both online and offline, with the expertise of **over 250 industry experts**. We have delivered internships, training, and seminars to more than 50,000 students, resulting in numerous success stories. **We offer 100% placement support through JobsNEAR.in**

### Our Courses/Internship

- Python/Django Fullstack
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- Machine Learning
- Data Science
- Software Testing (All)
- Wordpress, Woocommerce
- Digital Marketing, SEO
- Php/MySQL, Laravel
- Flutter, Android, IOS
- Asp.net MVC
- Web Design, Javascript
- Angular JS, React JS
- CCNA, MCSA, CCNP
- AWS, GCP, Azure
- Odoo, Salesforce, Sap
- Microsoft Excel
- Ethical Hacking



Syllabus on the Next Page ..



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### **Module 1. Introduction**

### **Module 2. Manage Azure AD objects**

- \* create users and groups
- \* manage user and group properties
- \* manage device settings
- \* perform bulk user updates
- \* manage guest accounts

### **Module 3. Manage role-based access control (RBAC)**

- \* create a custom role
- \* Provide access to Azure resources by assigning roles
- \* resource groups
- \* resources (VM, disk, etc.)
- \* manage multiple directories


### **Module 4. Manage subscriptions and governance**


- \* configure Azure policies
- \* configure resource locks
- \* apply tags
- \* manage subscriptions
- \* configure Cost Management
- \* configure management groups

### **Module 5. Manage storage accounts**

- \* configure network access to storage accounts
- \* create and configure storage accounts

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- \* generate shared access signature
- \* manage access keys
- \* implement Azure storage replication
- \* Configure Azure AD Authentication for a storage Account

## **Module 6. Manage data in Azure storage**

- \* install and use Azure Storage Explorer
- \* copy data by using AZCopy

## **Module 7. Configure Azure files and Azure blob storage**

- \* create an Azure file share
- \* configure Azure blob storage
- \* configure storage tiers for Azure blobs

## **Module 8. Configure VMs for high availability and scalability**

- \* configure high availability
- \* deploy and configure scale sets
- \* Automate deployment and configuration of VMs
- \* modify Azure Resource Manager (ARM) template
- \* configure VHD template
- \* deploy from template
- \* save a deployment as an ARM template
- \* Automate Configuration Management

## **Module 9. Create and configure VMs**

- \* configure Azure Disk Encryption

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- \* move VMs from one resource group to another
- \* manage VM sizes
- \* add data discs
- \* configure networking
- \* redeploy VMs

## **Module 10. Create and configure Containers**

- \* create and configure Azure Kubernetes Service (AKS)
- \* create and configure Azure Container Instances (ACI)

## **Module 11. Create and configure Web Apps**

- \* create and configure App Service
- \* create and configure App Service Plans

## **Module 12. Implement and manage virtual networking**


- \* Virtual network
- \* Subnets
- \* private and public IP addresses
- \* Network routes
- \* VNET peering


## **Module 13. Configure name resolution**

- \* configure Azure DNS
- \* configure custom DNS settings
- \* Configure a private or public DNS


## **Module 14. None Secure access to Virtual Network**

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- \* create security rules
- \* associate an NSG to a subnet or network interface
- \* evaluate effective security rules
- \* deploy and configure Azure Firewall
- \* deploy and configure Azure Bastion Service

## **Module 15. Configure load balancing**

- \* configure Application Gateway
- \* configure an internal load balancer
- \* configure load balancing rules
- \* configure a public load balancer
- \* troubleshoot load balancing

## **Module 16. Monitor and troubleshoot virtual networking**


- \* monitor on-premises connectivity
- \* use Network Performance Monitor
- \* use Network Watcher
- \* troubleshoot external networking
- \* troubleshoot virtual network connectivity


## **Module 17. Integrate an on-premises network with an Azure virtual network**

- \* create and configure Azure VPN Gateway
- \* create and configure VPNs
- \* configure ExpressRoute
- \* configure Azure Virtual WAN

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## Module 18. Monitor resources by using Azure Monitor

- \* configure and interpret metrics
- \* analyze metrics across subscriptions
- \* configure Log Analytics
- \* query and analyses logs create a query
- \* set up alerts and actions
- \* Create and test alerts
- \* View alerts in Azure
- \* configure Application Insights

## Module 19. Implement backup and recovery

- \* configure and review backup reports
- \* perform backup and restore operations by using Azure Backup
- \* create a Recovery Services Vault
- \* create and configure backup policy
- \* perform site-to-site recovery by using Azure Site Recovery

(Click on Course for more details)

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**- Thank You -**

N.B: This syllabus is not final and can be customized as per requirements / updates.

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