

# AZURE WITH AZURE DEVOPS

## PRIME TOPICS WE COVER

- ◆ Azure VM ◆ Storage Account ◆ Virtual Network ◆ Azure SQL DB ◆ Load Balancer
- ◆ Microsoft Entra ID ◆ App Services ◆ ARM Templates (JSON) ◆ Terraform ◆ Git
- ◆ GitHub ◆ Azure DevOps ◆ Azure Pipelines (CI/CD) ◆ Docker ◆ AKS (Kubernetes)
- ◆ Azure Powershell ◆ CLI & YAML





# PROGRAM HIGHLIGHTS



**AZURE WITH**  
**AZURE DEVOPS**

## LEARNING NOTES

We deliver learning notes after each session for quick recap of important points and steps. We also provide detailed copy of the notes.

## REALTIME PROJECTS

We conduct Real - Time Projects to deliver how Power Platform tools works in real-time, which you can use in interviews.

## INTERVIEW

We conduct interview Preparation sessions to deliver Tips & Tricks to crack the Interviews with Skill Set development Sessions.

## ASSIGNMENTS

We assign problem statements that helps to improve the technical implementation and hands on experience.

## RESUME

We help you in RESUME preparation based on your skills and experience with real - time projects which helps you to get interview calls.

## MOCK INTERVIEWS

We take MOCK INTERVIEWS and provide you feedback which helps you how to prepare for real interviews.

## 1:1 MEETING

You can have a 1:1 meeting to discuss your career path and guidance on how to prepare your resume.

## 1. Introduction to Microsoft Azure & Governance

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Learn about cloud computing, service models, deployment models, Microsoft azure account Creation, Azure subscriptions, grant access, setup policies & governance.

**Topics Covered:** Azure account creation, Azure Services, Managing resources and subscriptions, Azure RBAC and Policies & Azure Hierarchy.

## 2. Introduction to ARM & Azure Infrastructure Services

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Learn what is Azure resource manager, infrastructure services, manage storage accounts & redundancy options, VMs & Networking & creating custom image for VMs.

**Topics Covered:** Tags, Storage account, Virtual Machines (VM), Disk, Availability set and Availability zone, Custom Image of Azure VM, Virtual Network

## 3. Azure Networking & Connectivity Methods

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How to create VNET Peering, Site to Site VPN Configuration & Express route, NSG rules assign & create Azure DNS records, enable Azure Bastion & Azure network.

**Topics Covered:** Virtual Network peering, Site to site VPN, Express route, NIC, NSG, Service Tags, Azure DNS, Azure Bastion, Hub & Spoke model.

## 4. Azure App and Container services

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App services, hosting applications, blue green deployment model, azure container services like (instance & registry) and managing micro services application on AKS.

**Topics Covered:** App services, Deployment slots, Azure container instance, Azure container registry, Azure Kubernetes Service (AKS).

## 5. Microsoft Entra ID & Monitoring and Logging

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Working of identities on Microsoft Entra id, manage users, groups & service principals, setting up the monitoring & alerts for infrastructure & application hosted on the azure.

**Topics covered:** User & Group management, App registration, Microsoft Entra connect, Azure Monitor, Application insights and Loganalytics workspace

## 6. Infrastructure as a code (IAC), Powershell & CLI

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Learn the benefits of infrastructure as a code to automate the azure infrastructure using ARM Templates. Install terraform & write terraform templates to automate the azure services & automate the process automation using the powershell & CLI.

**Topics:** JSON, ARM Templates, Terraform, Terraform Modules, Powershell, Azure CLI

## 7. Introduction to DevOps & Azure DevOps Services

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Learn about DevOps and its importance in the application development process & how Azure DevOps will help teams to plan, develop, test, and deliver software more efficiently & Azure DevOps services like Azure Boards, Azure Repos & Azure Pipelines.

**Topics:** SD Life Cycle, Azure Boards, Azure Repo (Git) & Azure Pipelines (CI/CD)

## 8. Source Code Management

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Learn different branching strategies and code promotion, review process to develop the application source. Learn developer collaborative methods, Code Reviews, distributed source code repository management.

**Topics Covered:** Git, Github and AzureRepo

## 9. Continuous Integration (CI) and Continuous Deployment (CD)

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Learn how to automate system configuration provisioning methods and writing Ansible role definitions and playbooks using YAML. configuration provisioning methods and writing Ansible role definitions and playbooks using YAML.

**Topics:** Azure classic, YAML pipeline & Basics, Secret Management in pipeline, Keyvault

## 10. Microservices Orchestration

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Learn the ways to orchestrate microservices using Kubernetes. Learn design, installation, architecture, creating deployment, services, ingress, KUBERNETES resources.

**Topics covered:** Docker, Kuberentes (AKS)

# COURSE PROJECTS

Projects cover the following industries:



Retail



Social Media



Supply Chain



Entrepreneur



E-Commerce



Banking



Healthcare

## HANDLING INFRASTRUCTURE SOLUTIONS FOR AZURE CLOUD

The project allows the learners to handle infrastructure solutions for the organization's Azure cloud. The learners also get hands-on experience with azure infrastructure architecture and in optimizing the windows server workload.

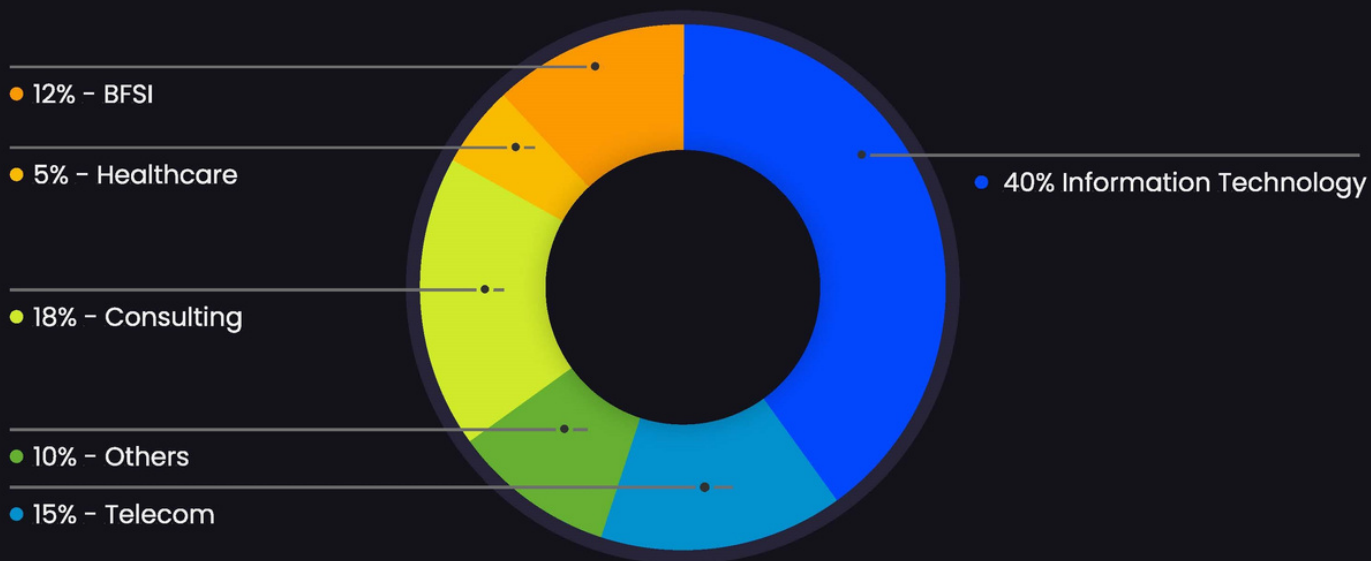
## MONITORING AZURE CLOUD FOR A BPO

The learners get real-world insights into monitoring Azure cloud for a BPO. They manage Azure infrastructure for an outsourcing company and configure, deploy and manage storage solutions and work with Azure Virtual Machines.

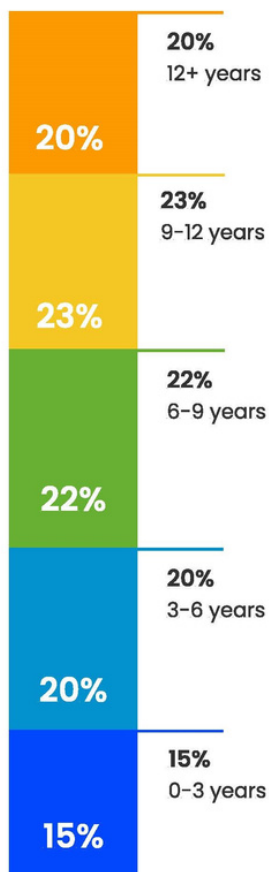
## CONTAINERIZING VARIOUS FRAMEWORKS & NGINX APPLICATION USING DOCKER

Use Docker to successfully integrate the software projects deployed in diverse environments. Get hands-on learning experience in setting up Node.js on Docker containers along with pulling NGINX images from Docker Hub, etc.

## Industries Our Learners Come From



## Work **Experience**



Some of their current employers include





# AZURE WITH AZURE DEVOPS

## FLAIR TECHNOLOGIES

Flair Technologies was found in 2014 with the mission to provide high-quality offline and online training on Azure DevOps. Despite Facing Challenges Due to Full-Time Commitments, Our Enthusiasm for Teaching Never Waned.

### PROGRAM FORMATE

100 DAYS | ONLINE | OFFLINE

### PROGRAM FEE

INR: 25,000

### ELIGIBILITY

Any Degree

### FLAIR TECHNOLOGIES

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