

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

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

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

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

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

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

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

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

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)

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

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

Topics covered: Docker, Kubernetes (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.

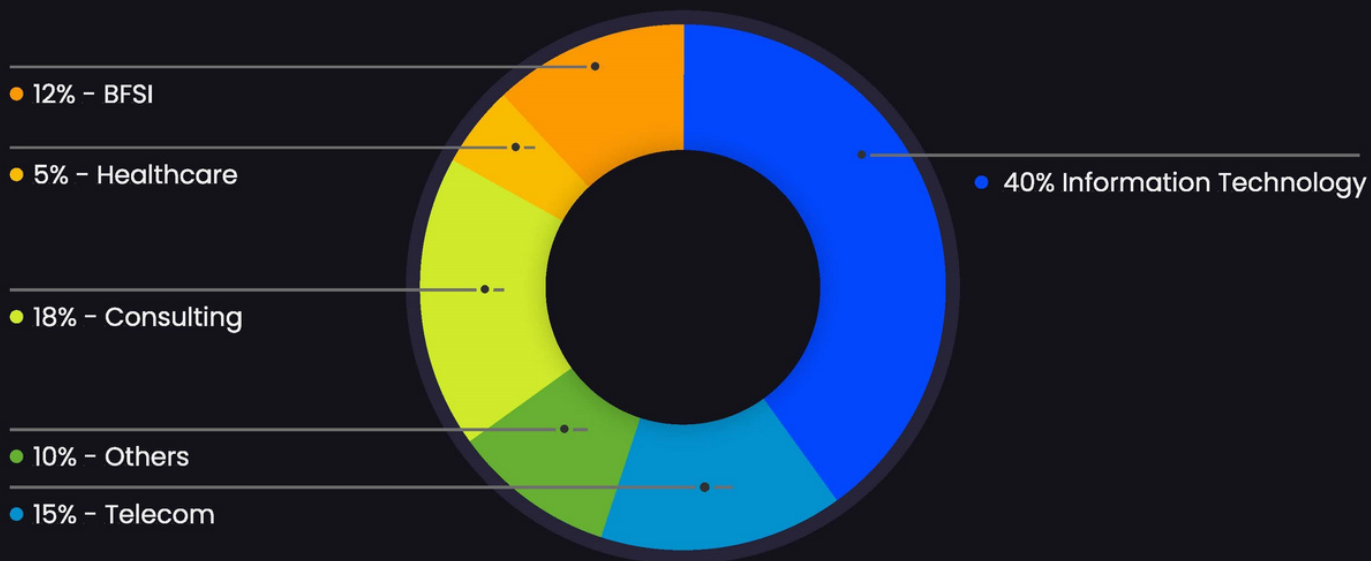
MONITORING AZURE CLOUD FOR A BPO

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.

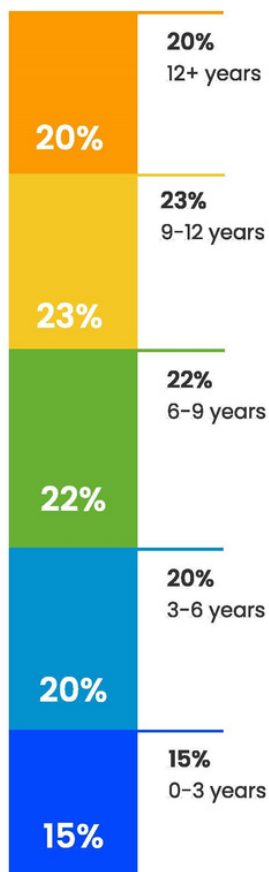
CONTAINERIZING VARIOUS FRAMEWORKS & NGINX APPLICATION USING DOCKER

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



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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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Our Location
Bengaluru, India

