

# INFOSOFT IT SOLUTIONS

## Training | Projects | Placements

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## IBM CLOUD Course Content

### **Introduction to Cloud Computing**

- Overview of cloud computing concepts
- Cloud service models: IaaS, PaaS, SaaS
- Deployment models: Public, private, hybrid clouds
- Benefits and challenges of cloud computing

### **Introduction to IBM Cloud**

- Overview of IBM Cloud services and offerings
- IBM Cloud architecture and infrastructure
- IBM Cloud data centers and regions

### **IBM Cloud Infrastructure Services**

- IBM Virtual Servers (Virtual Private Cloud, Bare Metal Servers)
- IBM Cloud Storage (Object Storage, Block Storage)
- Networking services (VPC, Load Balancer, VPN)

### **IBM Cloud Platform Services**

- IBM Cloud Foundry

- Kubernetes Service
- Functions (Serverless computing)
- AI and Machine Learning services

## **IBM Cloud Solutions**

- Watson services (Watson Assistant, Watson Discovery, etc.)
- IBM Blockchain Platform
- Internet of Things (IoT) solutions on IBM Cloud

## **DevOps and Continuous Integration/Continuous Deployment (CI/CD)**

- Introduction to DevOps principles
- Using IBM Cloud for CI/CD pipelines
- Integrating with popular DevOps tools (e.g., Jenkins, GitLab)

## **Security and Compliance in IBM Cloud**

- Identity and Access Management (IAM)
- Security features of IBM Cloud (encryption, firewall, etc.)
- Compliance considerations (GDPR, HIPAA, etc.)

## **Monitoring, Logging, and Analytics**

- IBM Cloud Monitoring and Observability
- Logging and log analysis tools
- Application performance monitoring (APM)

## **Hybrid Cloud and Multi-cloud Strategies**

- IBM Cloud Private
- IBM Cloud Satellite
- Managing multi-cloud environments

## **Case Studies and Hands-on Labs**

- Real-world scenarios and use cases
- Hands-on exercises with IBM Cloud services
- Practice deploying, managing, and scaling applications on IBM Cloud

## **Integration with Other IBM Technologies**

- Integration with IBM Power Systems
- Integration with IBM Z (mainframe) systems
- Best practices for deploying IBM Cloud in hybrid environments

## **Cost Management and Optimization**

- Understanding IBM Cloud pricing models
- Cost management tools and strategies
- Optimization techniques for reducing cloud costs