

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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AZURE API MANAGEMENT

Introduction to Azure API Management

- Overview of API Management concepts and benefits
- Key features of Azure API Management
- API Management architecture and components

Getting Started with Azure API Management

- Setting up an API Management instance
- Creating and configuring API gateways
- API Management policies and policy expressions

API Design and Lifecycle Management

- RESTful API design principles
- Versioning and lifecycle management of APIs
- Importing and publishing APIs in Azure API Management

Security and Access Control

- Authentication and authorization mechanisms
- Implementing OAuth and OpenID Connect with API Management
- Role-based access control (RBAC) in API Management

Monitoring and Analytics

- Usage monitoring and analytics in API Management
- Setting up alerts and notifications
- Performance monitoring and troubleshooting

Developer Experience and Portal Customization

- Developer portal overview and customization
- Self-service API subscriptions and key management
- API documentation and interactive testing

API Traffic Management and Optimization

- Rate limiting and throttling strategies
- Caching policies and CDN integration
- Load balancing and scaling APIs

Integration and Extensibility

- Backend service integration with Azure Functions, Logic Apps, and others
- Custom policies and policy expressions for advanced scenarios
- Integration with Azure DevOps for CI/CD pipelines

Advanced Topics

- API transformation and mediation using policies
- Implementing API governance and compliance
- Multi-region deployment and global scalability