INFOSOFT IT SOLUTIONS

Training | Projects | Placements

AZURE VIRTUAL WAN

Introduction to Azure Virtual WAN

- Overview of Azure Virtual WAN
- Key features and benefits
- Use cases and scenarios for Virtual WAN

Azure Virtual WAN Architecture

- Components of Azure Virtual WAN (Hubs, Connections, Gateways)
- Hub-to-hub and branch-to-hub connectivity
- Virtual WAN topology design considerations

Virtual WAN Connectivity Options

- Site-to-Site VPN connectivity
- ExpressRoute integration with Virtual WAN
- Azure VPN Gateway and Virtual WAN integration

Virtual WAN Security and Compliance

- Implementing network security policies with Virtual WAN
- Integration with Azure Firewall and Network Security Groups (NSGs)
- Compliance considerations (GDPR, HIPAA, etc.)

Traffic Routing and Optimization

- Traffic routing policies in Virtual WAN
- Azure Front Door integration for global load balancing
- Traffic optimization strategies

Monitoring and Management

- Monitoring Virtual WAN performance and health
- Network Watcher and Azure Monitor integration
- Troubleshooting common connectivity issues

Automation and DevOps with Virtual WAN

- Infrastructure as Code (IaC) with ARM templates for Virtual WAN
- PowerShell and Azure CLI for Virtual WAN management

Hybrid Cloud Connectivity

- Connecting on-premises networks to Virtual WAN
- Implementing SD-WAN solutions with Virtual WAN
- Hybrid connectivity use cases and scenarios

Advanced Virtual WAN Scenarios

- Designing for high availability and disaster recovery
- Multi-cloud connectivity using Virtual WAN
- Implementing advanced security and compliance features