

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

Revathi Apartments, Ameerpet, 1st Floor, Opposite Annapurna Block, Info

soft it solutions Software Training& Development 905968394,918254087

AZURE VIRTUAL NETWORK

Introduction to Azure Virtual Network (VNet)

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

Azure Virtual Network Fundamentals

- VNet architecture and components (Subnets, Network Security Groups, Route Tables)
- IPv4 and IPv6 addressing in Azure VNets
- Azure DNS integration with VNets

VNet Peering and Connectivity

- Establishing VNet peering relationships
- Global VNet peering considerations
- Implementing VPN and ExpressRoute connectivity

Azure VNet Security

- Network security best practices in Azure VNets
- Azure Firewall and Network Security Groups (NSGs)
- Azure DDoS Protection for VNets

Azure VNet Traffic Management

- Load balancing options (Azure Load Balancer, Application Gateway)
- Traffic routing and distribution strategies
- Azure Front Door and CDN integration

Hybrid Cloud Connectivity

- Connecting on-premises networks to Azure VNets
- Site-to-Site VPN configuration
- Hybrid connectivity using Azure Virtual WAN

Network Monitoring and Troubleshooting

- Azure Monitor for VNets
- Network Watcher and troubleshooting tools
- Implementing network diagnostics and logging

Automation and DevOps with Azure VNets

- Infrastructure as Code (IaC) with ARM templates for VNets
- Azure CLI and PowerShell for VNet management
- Continuous integration and deployment (CI/CD) pipelines for VNets

Advanced Azure VNet Scenarios

- Implementing Azure VNets for high availability and disaster recovery
- Designing VNets for performance and scalability
- Implementing network segmentation and isolation strategies