INFOSOFT IT SOLUTIONS

Training | Projects | Placements

AZURE SECURITY CENTER

Introduction to Azure Security Center

1. Overview of Azure Security Center (ASC)
2. Key Features and Capabilities
3. ASC Pricing and Licensing

Setting Up Azure Security Center

1. Deploying Security Center in Azure Portal
2. Configuring Security Policies and Recommendations
3. Integrating with Azure Policy

Security Policies and Compliance

1. Implementing Azure Security Policies
2. Compliance Assessments and Reporting
3. Regulatory Compliance Frameworks (e.g., GDPR, HIPAA)

Threat Detection and Response

1. Threat Detection Overview
2. Configuring Threat Detection Policies
3. Investigating Security Incidents

Vulnerability Management

1. Scanning Virtual Machines and Containers
2. Patch Management Strategies
3. Vulnerability Assessment Best Practices

Azure Defender

1. Overview of Azure Defender (formerly Azure Advanced Threat Protection)
2. Configuring Azure Defender for Cloud Resources
3. Azure Defender for IoT and Kubernetes

Network Security

1. Network Security Groups (NSGs) and Firewalls
2. Azure DDoS Protection
3. Implementing Azure Firewall and Application Gateway

Identity and Access Management (IAM)

1. Role-Based Access Control (RBAC) in Azure
2. Privileged Identity Management (PIM)
3. Azure Active Directory (AAD) Integration with ASC

Secure DevOps Practices

1. Implementing DevSecOps with Azure Security Center
2. Integrating ASC with Azure DevOps and GitHub

3. CI/CD Security Pipelines

Security Center for Hybrid Environments

1. Securing Hybrid Cloud Workloads
2. Monitoring On-premises Resources with ASC
3. Azure Arc and ASC Integration

Security Center APIs and Automation

1. Using ASC APIs for Automation
2. Azure Resource Manager (ARM) Templates for ASC
3. PowerShell and Azure CLI for ASC Automation

Advanced Threat Protection

1. Advanced Threat Detection Techniques
2. Machine Learning and AI in ASC
3. Behavioral Analytics and Anomaly Detection

Governance and Compliance

1. ASC for Governance and Compliance
2. Implementing Azure Policy with Security Center
3. Security Center Recommendations for Compliance

Incident Response and Recovery

1. Incident Response Planning and Execution
2. Azure Backup and Disaster Recovery
3. Post-Incident Review and Remediation