Business Scenario: Floyd HealthTech Solutions

Company Overview:

Floyd HealthTech is a mid-sized healthcare technology provider based in Austin, TX. They specialize in electronic health record (EHR) systems, patient engagement platforms, and data analytics for hospitals and clinics across the U.S.

Departments:

• IT Operations: Manages infrastructure, security, and compliance.

• Product Development: Builds and maintains cloud-based healthcare apps.

• Customer Support: Provides 24/7 assistance to hospital clients.

• Sales & Marketing: Uses CRM tools and analytics to drive growth.

Business Challenges:

1. Rising Cloud Costs: Monthly Azure spend has increased by 35% over the past year.

2. Security & Compliance: Needs to meet HIPAA and HITRUST standards.

3. Limited Visibility: No centralized dashboard for resource usage or performance.

4. Manual Provisioning: IT team spends hours deploying VMs and configuring environments.

5. Customer Onboarding Delays: New clients wait days for their environments to be set up.

Project Goals:

• Implement cost optimization strategies using tagging, reserved instances, and autoscaling.

• Automate resource provisioning with PowerShell scripts.

• Deploy governance policies to enforce naming conventions and security standards.

• Create a monitoring dashboard for performance and compliance metrics.

• Develop a cloud adoption roadmap to improve onboarding and client satisfaction.

Technologies in Use:

• Azure: VMs, App Services, Blob Storage, Azure SQL

• PowerShell: For automation and resource management

• Azure Monitor & Log Analytics: For performance tracking

• Azure Policy & RBAC: For governance and access control