



EHR Case Study on Google Cloud

OpenEMR End-to-End Architecture & Roadmap



Mission
Deliver a secure, highly available, compliant, and scalable EHR platform with analytics and integrations.

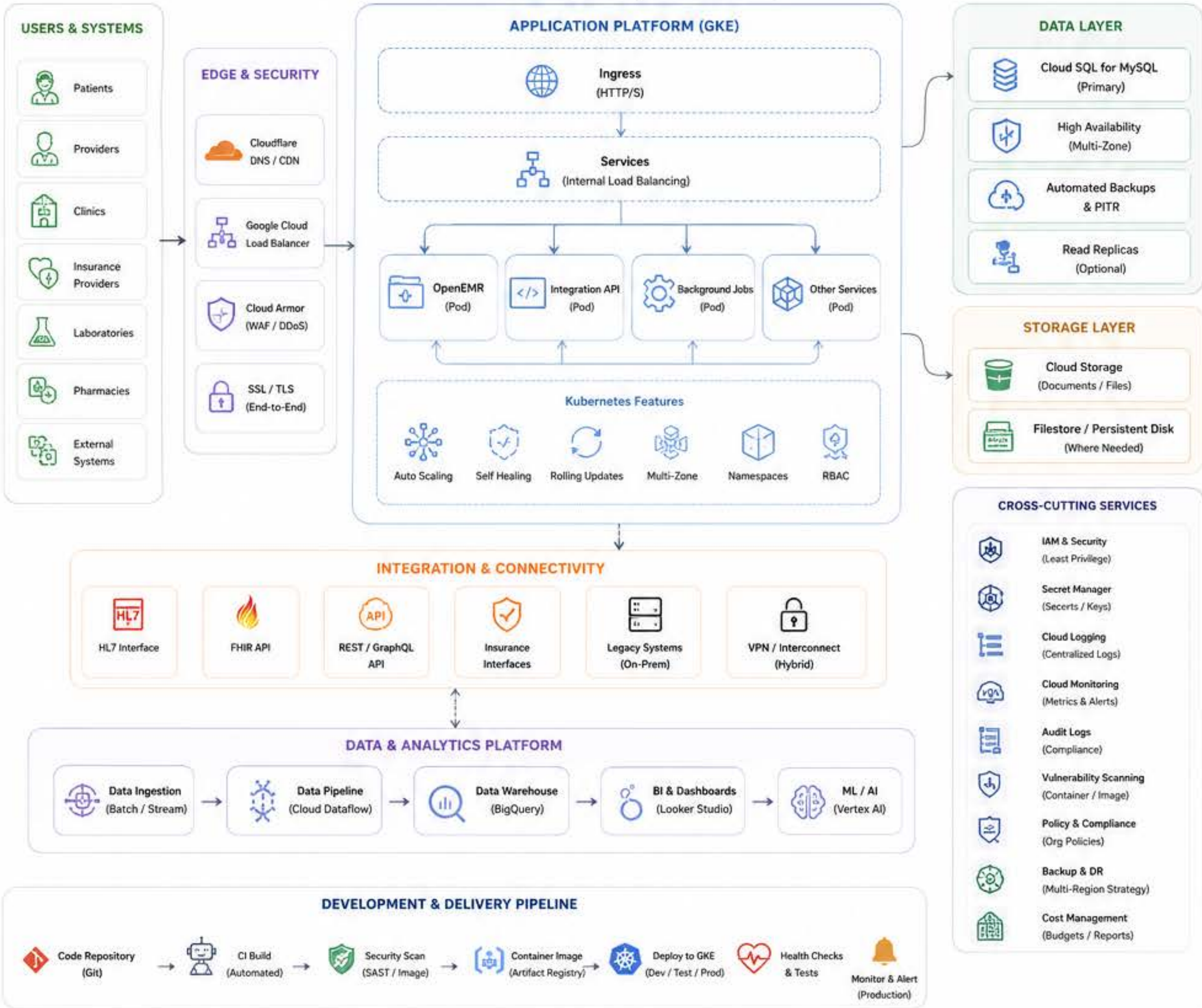
BUSINESS REQUIREMENTS

- On-board new providers fast
- 99.9% Availability
- Centralized Visibility
- Insights & Analytics
- Low Latency Global Access
- Maintain Compliance
- Lower Ops Cost
- Industry Trends & Predictions

TECHNICAL REQUIREMENTS

- Legacy & Hybrid Connectivity
- Consistent Container Management
- Secure & High Performance
- Centralized Logs, Monitoring, Alerting
- Multiple Environments & Dynamic Scaling
- APIs & Data Ingestion
- CI/CD & Fast Delivery

TARGET ARCHITECTURE (GOOGLE CLOUD)



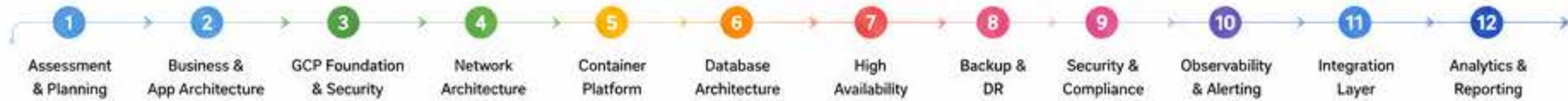
HIGH AVAILABILITY & DISASTER RECOVERY



HYBRID & LEGACY CONNECTIVITY



IMPLEMENTATION ROADMAP (12 PHASES)



PROJECT SUCCESS CRITERIA

- Secure, compliant, and audit-ready EHR platform
- 99.9% availability with proven recovery
- Centralized monitoring with proactive alerts
- Hybrid connectivity with legacy systems
- Fast onboarding for new insurance providers
- Actionable insights & industry analytics

KEY GOOGLE CLOUD SERVICES



OUTCOME

