Modernizing HealthCare Applications with Micro Services

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Health Electronic Medical Record tool OpenEMR provides a lot of functionality in one Monolithic Application.

Monolithic architecture makes it difficult to manage, update and add new functionality.
Microservices architecture can help with manage-ability of distinct applications and services, and facilitate analytics driven model.

Cloud enabled runtime can help with software lifecycle and application deployment and movement between infrastructures.
An patient portal application can be built separately that can service many users, such as allow patient themselves to schedule visits.

Such applications can be managed and scaled independently across different instances, all sharing one central database.
Shared patient information can then be analyzed globally to derive actionable insights.

Live patient information can be correlated with historical data or public information to discover useful relationships between similar patients.