In a healthcare solution, there are many traditional and non-traditional stakeholders. In order to connect into a cloud-based interchange to share data, information, research, and industry-leading practices across an enterprise or between organizations, there must be a single platform that enables it. The client’s health interchange brings together the right elements for a purposeful exchange of information to improve the health of patients.

**Our solution**

- The client’s identity and access management framework provides authentication services such as basic authentication, multi-factor authentication, social authentication, and risk-based authentication. These services cater to both Web and mobile applications.
- The framework also facilitates integration with partner organizations through identity federation using standard protocols such as SAML 2.0, OAuth 2.0, and OpenID Connect 1.0. The solution was deployed in the cloud as well.
- We integrated ForgeRock Access Management with CA API Gateway (which is protecting the core API services of the interchange using SAML to OAuth to grant authentication) using ForgeRock Access Management’s Secure Token Services (STS).
- The production environment is set up in high-availability mode with two active ForgeRock Access Management nodes; the back-end ForgeRock Directory Services has two instance that are set up in a multi-master configuration.
- To further strengthen security, we also implemented multi-factor (OTP via mail/SMS), adaptive, risk-based and touch ID-based authentication modules.
- We enhanced directory schema and configured custom attributes and object classes to meet the client’s business requirements.

**Impact**

The ForgeRock Access Management-based access management framework provides a single platform to facilitate access to the client’s solution for patients, physicians, and researchers. It can also facilitate ingestion, transmission, analysis, and consumption of healthcare data by the client’s business associates, which include care providers, payers, and pharmaceuticals companies. This solution supports easy integration with new cloud and mobile development platforms.

Social login-based authentication supports onboarding of a large user base without mandating a user registration process.

**Key contacts:** Avinash Rajeev, Praveen Krishna

**Can be used as reference:** No

**Reference contact details:** N/A