

Case Study: Investigator Credentialing Platform on Microsoft Azure

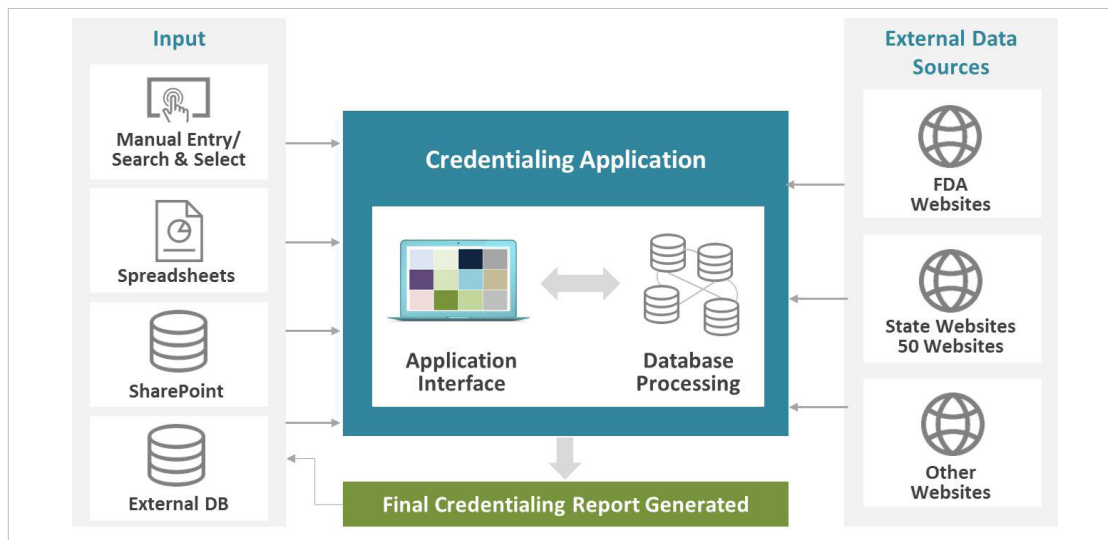
Client Requirements

Client is a leading provider of clinical research and analysis solutions to healthcare organizations. Client needed an automated web-based solution to generate credentialing information for investigators, by aggregating multiple external data sources such as state-owned websites and FDA websites (for information regarding license validity, disqualification and debarment history, etc.). The client selected CitiuTech to design and develop this solution, given its expertise across healthcare data integration, security and privacy, BI/ analytics and data warehousing.

- Consolidated investigator database with updated credentialing information for investigator performance analytics
- Comprehensive user authentication and notifications/alerts system

Solution Development

CitiuTech was responsible for the end-to-end development and deployment of the solution. CitiuTech's analytics and engineering teams jointly designed and developed a scalable, cloud (Azure)-based solution for automated intelligent search for investigator credentials, across multiple



CitiuTech Solution

CitiuTech did a detailed analysis of the client's information ecosystem and proposed a web-based cloud-hosted application to help accelerate the investigator credentialing process. CitiuTech's solution design included the following key features:

- Web-based intuitive UI for users to upload/ select list of investigators to be credentialed
- Automated intelligent search engine with capability of getting credentialing information from 50 state websites and 5 FDA websites
- Intelligent reconciliation logic for investigator identification and auto updating of records
- Consolidated report of investigators with credentialing information with export and built-in email functionality

state websites and FDA websites within a single web-based interface. CitiuTech leveraged the Microsoft BI stack for workflow management, and to perform a wide variety of reporting and analytics operations, to track process performance.

Value Delivered

By partnering with CitiuTech, the client was able to:

- Replace the existing manual process with an automated process of credentialing using an intuitive UI, robust search engine, dynamic backend processing and extensive reporting
- Improve operational efficiency and enhance investigator selection process for clinical trials
- Reduce time and cost and improve process turnaround times by more than 80%

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About CitiuTech

CitiuTech is a specialist provider of healthcare technology services and solutions to medical technology companies, providers, payers and life sciences organizations, with over 2,700 professionals worldwide. CitiuTech's services and solutions include healthcare software development, healthcare interoperability, regulatory compliance, BI/analytics, consumer engagement, care coordination and population health management. CitiuTech helps customers accelerate innovation in healthcare through a number of solutions and accelerators for clinical quality reporting, healthcare big data, cloud computing, mobile health and predictive analytics. With cutting-edge technology expertise, world-class service quality and a global resource base, CitiuTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare clients worldwide.

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