



HEALTHCARE
LIMITLESS

Case Study

Imaging Cohort Builder

Our vision is to inspire new possibilities for the health ecosystem with technology and human ingenuity. At CitiusTech, we constantly strive to solve the industry's greatest challenges with technology, creativity, and agility. Together with the world's leading Healthcare and Lifesciences organizations and our partners, we aim to accelerate the transition to a human-first, sustainable, and digital healthcare ecosystem.

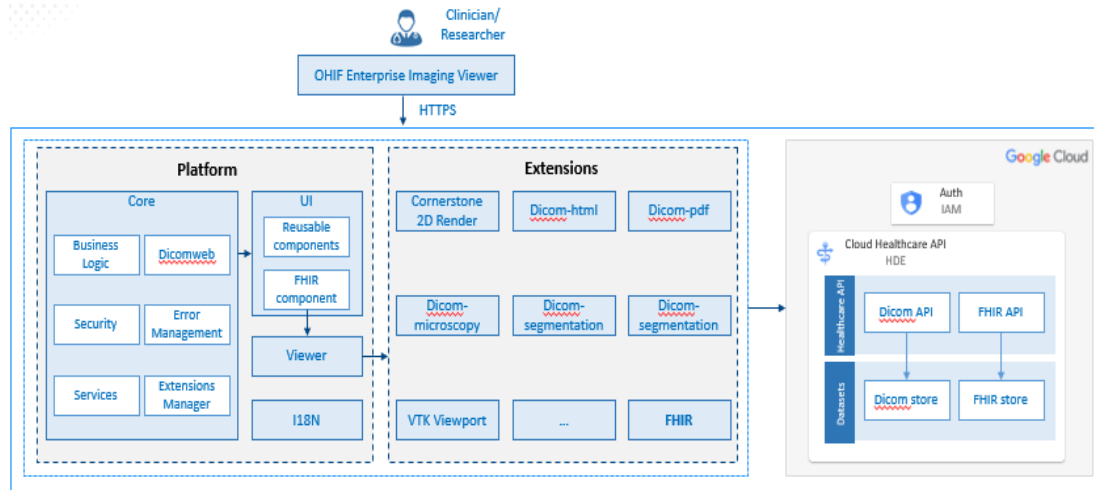
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Client Requirements

- Client is a leading provider of healthcare services and have a solution(tool) for identifying patient cohorts which could be used for research, however it didn't support imaging data extraction
- In order to address it, client wanted to develop an easy to use, self service tool to identify cohorts and extract imaging studies from their cloud platform for research and/or business development.
- CitiusTech was selected for this engagement for its imaging expertise and deep understanding of Imaging/DICOM and FHIR

Solution Schematic



CitiusTech Solution

CitiusTech had already engaged with the client earlier for dev & management activities for the earlier solution (tool). CitiusTech was now tasked to build an app(UI concept) which will have the following capabilities:

- Provide a smart search functionality so that the user can search for cohort based on keywords/terms.
- Integrate the cloud cohort Builder with OHIF viewer to collectively view all the Patient/Study data
- Integrate with GCP data repositories on cloud (DICOM/FHIR stores) by leveraging GCP Health API and cloud infra services.

Value Delivered:

- Conducted detailed analysis of the required use cases for the Imaging Cohort tool .
- Utilized GCP Healthcare API/Cloud infrastructure services & integrated with GCP Data repositories like DICOM/FHIR stores.
- Client Stakeholders are extremely satisfied with the progress of the application use cases CitiusTech is developing
- Client foresees CitiusTech's involvement as a beneficial one, for its endeavour in cost savings and addressal of their needs & pain points effectively.