

## DICOM AI Results Viewer

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.

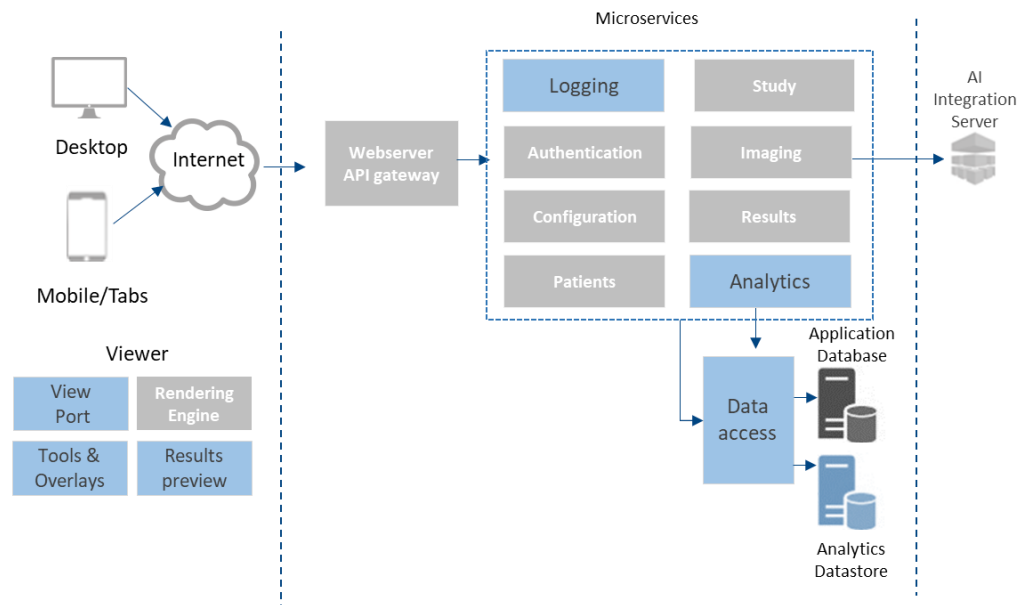
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## Client Requirements

- Client is a leading healthcare medical device and imaging solutions vendor.
- Client wanted the product to be built with a true DICOM AI results viewer where radiologists can examine studies on any browser or device, review, add or edit results received from machine learning algorithms
- The radiologists send the feedback back to AI platform which can be sent back to PACS system. CitiusTech was selected for its expertise in the Medical Imaging domain to build the product

## Solution Schematic



## CitiusTech Solution

- Created UX designs for most of the modules, pages, tools and components
- Built components using Angular 4 and microservices for different DICOM image viewer components
- View and rendering support enabled for various modalities and result types such as GSPS, CAD SR, RT, SC, etc
- Designed and developed Usage analytics solution to capture user usage's patterns and data access layer
- End to End DICOM De-identification validation

## Value Delivered:

- Client Improved their current processes and features after implementing CitiusTech recommendation in Automation, performance, UX and DICOM de-identification
- Performed end to end testing (Viewer- AI Platform)
- Leveraged CitiusTech's expertise for automation of test cases for a quicker implementation