

Treatment Planning as a Service

Business Challenge

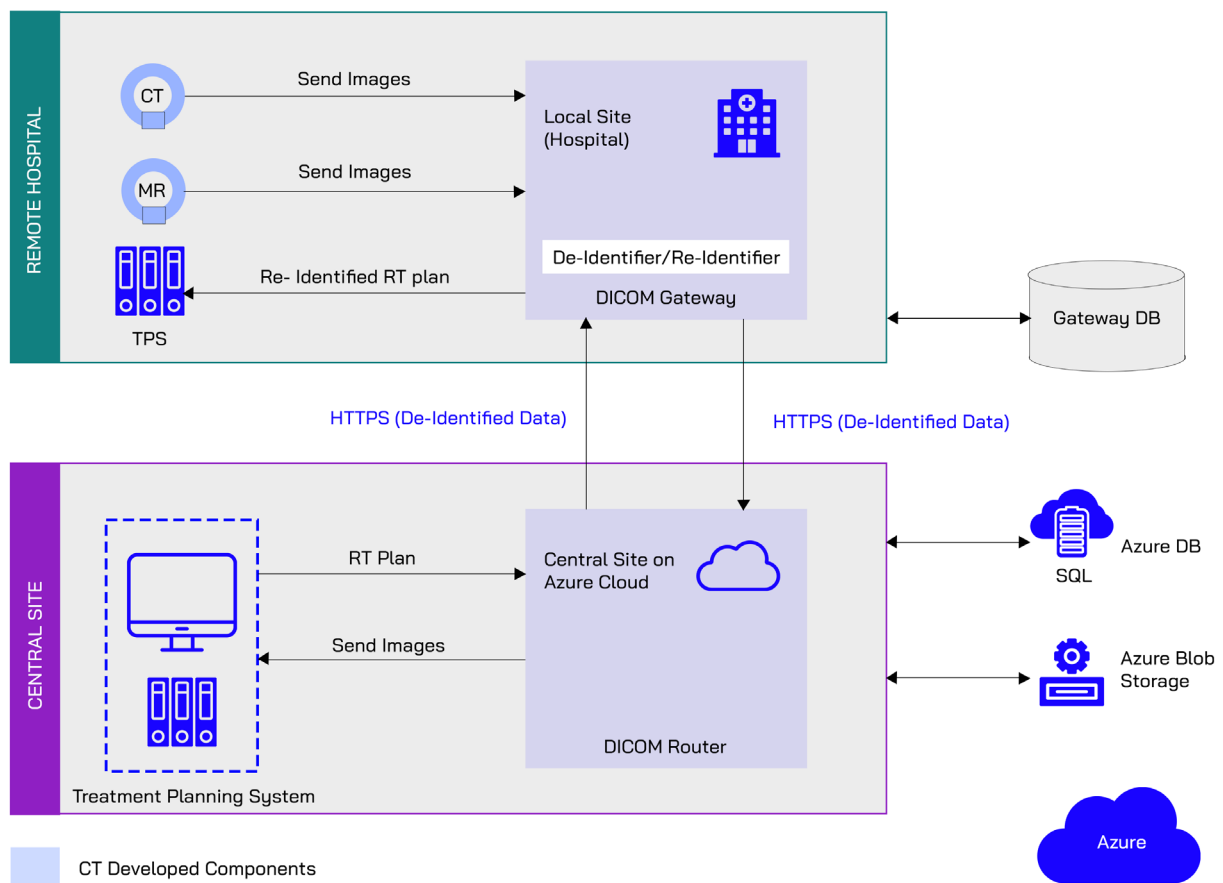
- Client is a leading provider of oncology treatment devices and software and holds an OIS set up at various radiation oncology clinics.
- To lower infrastructure / staffing costs at local clinics, a Centralized Treatment Planning System and an automated workflow was needed, thereby offering Treatment Planning as a Service.
- CitiusTech was selected to design the architecture and build a Centralized Treatment Planning solution.

CITIUSTECH SOLUTIONS

CitiusTech worked on the conceptualization and developed:

- Designed the architecture and UX design of Centralized Treatment Planning System
- Built de-identifier / re-identifier module to mask / unmask DICOM PHI data to ensure no PHI data is exchanged between remote hospital sites and centralized system
- Designed Azure cloud infrastructure for centralized system deployment
- Orchestrated CI/CD pipeline for deploying services on Azure app and cloud service
- Integrated the client's billing systems and AI applications

SOLUTION SCHEMATIC



VALUE DELIVERED



Leveraged CitiusTech's expertise in UX design, Azure cloud, DICOM, and oncology domain for accelerated development



Detailed product requirement documentation, product UX design and enhanced user experience



Delivered highly available solution covering the security aspects of data in transit as well as at rest





Shaping Healthcare Possibilities

CitiusTech is a global IT services, consulting, and business solutions enterprise 100% focused on the healthcare and life sciences industry. We enable 140+ enterprises to build a human-first ecosystem that is efficient, effective, and equitable with deep domain expertise and next-gen technology.

With over 8,500 healthcare technology professionals worldwide, CitiusTech powers healthcare digital innovation, business transformation and industry-wide convergence through next-generation technologies, solutions, and products.

www.citiustech.com

Shaping Healthcare Possibilities

