

Digital Dose Calibration Application

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.

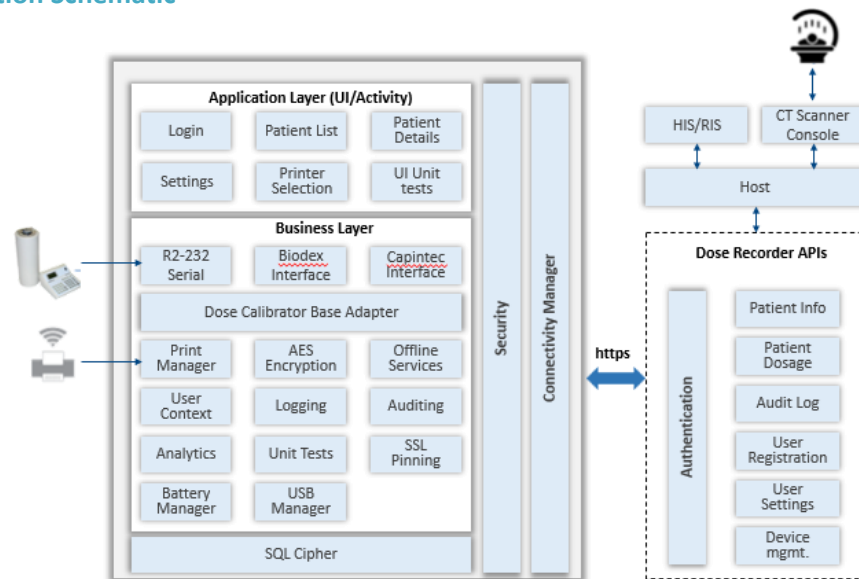
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Client Requirements

- Client is a leading provider of medical equipment, imaging modalities, diagnostic solutions etc.
- The use of client's current PET/CT Scanner workflow of dosage mgmt. was highly manual which was prone to data entry errors and client wanted a solution who can streamline the process
- CitiusTech was chosen given its expertise in medical imaging workflows and an extensive experience on client's PET/CT scanners.

Solution Schematic



CitiusTech Solution

- CitiusTech provided a solution that would record pre-injected dosage readings and allow data update from the PET host to fix manual dosage timing
- CitiusTech developed a Digital Dose recorder app with the following features:
 - Ability to update the tracer activity,
 - Track date and time values during Pre-injection
 - Track injection and post-injection phases from the dose calibrator present in the hot-lab
 - Interface with PET/CT Scanner, and dose calibrator via RS-232 and REST calls
 - Support Printer Interface, i18n & Security/Error Handling

Value Delivered:

- Ensured adherence to security protocols
- Enabled significant error reduction & improved patient diagnosis with the mobile workflow