MERCURY
nimbus Neo

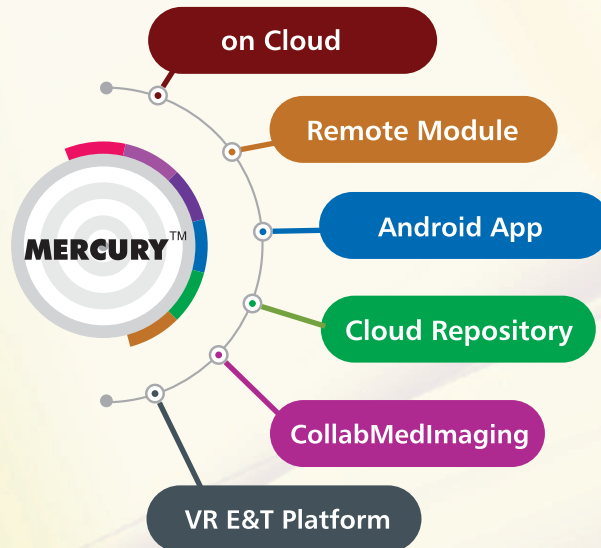## C-DAC's comprehensive EMR / EHR and Telemedicine Solution
(An Enterprise-Grade Teleconsultation, TeleICU, CME Solution)

Mercury™ Suite

MERCURY™

- on Cloud
- Remote Module
- Android App
- Cloud Repository
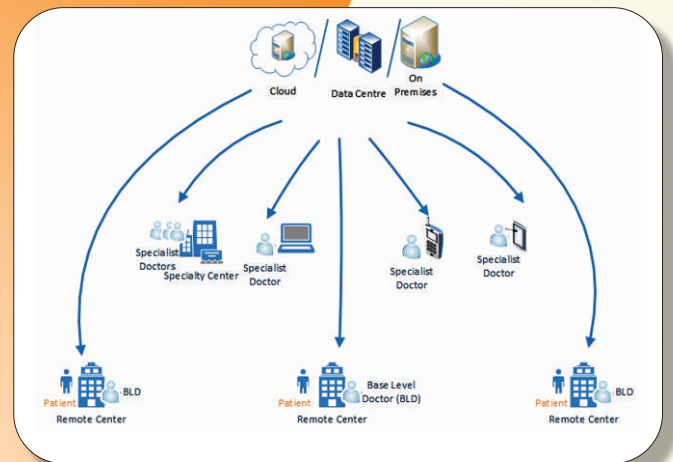- CollabMedImaging
- VR E&T Platform

Solution is used for telemedicine scenarios like patient to doctor, doctor(s) to doctor(s), groups of clinicians, clinicians with specialist end and hospital to hospital interaction.

5G Enabled Product

Benefits

- 5G enabled comprehensive EHR, TeleICU & Teleconsultation Solution
- High speed and ultra-reliable interaction and communication over 5G network
- Specially tailored for TeleRadiology and TeleICU
- In-built EMR / EHR framework covers events spanning patient's lifetime
- Supports all types of modalities and specializations
- Validated on 5G testbed of CEWiT, IITM. Simulated at C-DAC's 5G Lab
- Deployable as all-in-one virtual or physical instance on Cloud / Datacenter / On-premise Server(s). Use cloud persistent model for database & storage
- Multiple deployment models spanning IaaS / PaaS / SaaS models
- Available on Windows® Azure cloud with other cloud services on-demand
- Tuned for modern communication technologies such as 5G/4G/BB-VPN etc.
- Available on multiple platforms and databases (Windows / Linux and PostgreSQL / MSSQL / AzureSQL) combinations
- Reduces cost for local server, storage, administration, and maintenance
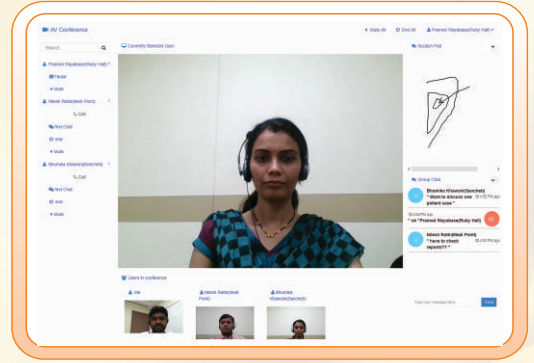- Single deployment covers group of specialists & remote doctors

Multi Tenancy & Clustering

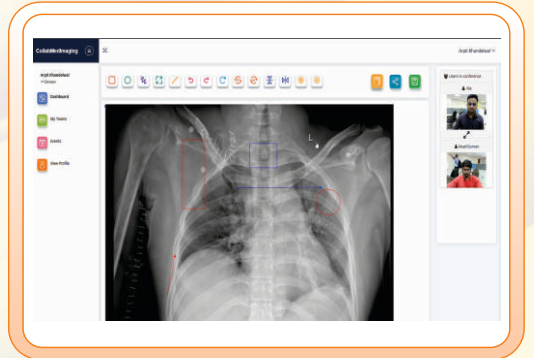Telemedicine deployments

Map not to Scale
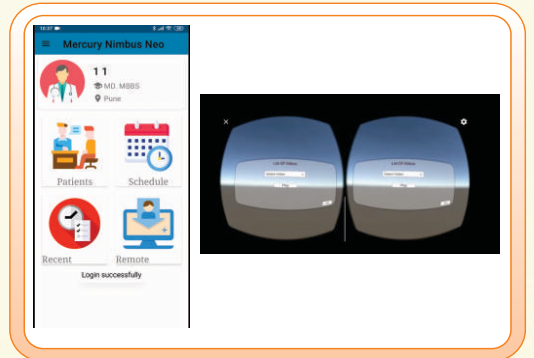
Salient Features

- In-built browser-based AV Conferencing & Recording
- Real-time Medical Image Collaboration
- Real-time Vital Signs Monitoring dashboard
- Integrated VR content delivery platform for Medical Education
- Picture Archival and Communication System (PACS) interfacing
- In-browser imaging
- Offline Data Transfer
- Medical-IT Device interfacing
- Direct Data Capture Tool (DiDaCT) for device interfacing
- Medical standards (SNOMED CT, ICD, DICOM, HL7, Drug codes)
- Scaling of Audio/Video/Image data based on available n/w strength (3G/4G/5G)
- Scalability options for load-balancing and clustering
- Integrated calendaring module with iCal / CalDAV support
- Allows upload / download / view wide range of file formats
- Robust Role-based Access Control approach
- Robust security and communication mechanism based on standards
- Multilingual Interface
- Integrated Backup, Administration and Configuration Tools

AV Conferencing

Collaboration on Medical Images

Android App, VR E&T Platform

Supported IT & Medical Devices

and many more....

प्रगत संगणन विकास केंद्र

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System Requirements

Server Machine: Windows/ Linux x64 Server(s) / Virtualisation Infrastructure, Java 11, Apache Tomcat 9, PostgresSQL/AzureSQL /MSSQL, iCal Server, NodeJS 4.4, Apache Web Server 2.2, CSNOServ

Client Machine: Java 11, HTML5 Supported Web Browser, JMF 2.1.1e, Android 11 Red Velvet Cake