



HEALTHCARE ACTIVITIES FROM ANYWHERE ANYTIME



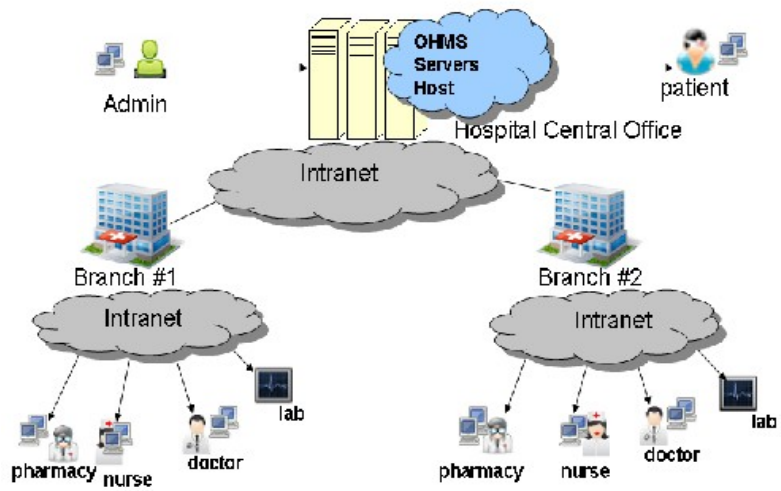
Healthcare Utility Services

To provide infrastructure or Software as a Service Platform to perform all kinds of healthcare operations by doctors, patients, lab and pharmacy in very integrated manner

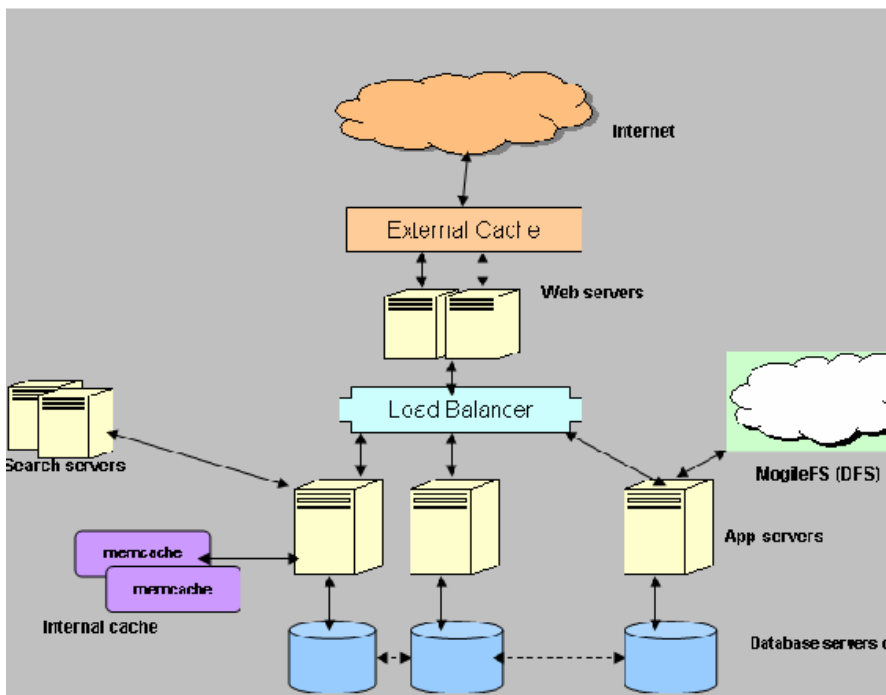
What is OHMS?

- OHMS™ is software as a service (SaaS) platform that enables the multiple users to login from anywhere and any device and execute healthcare activities in secure way. The vast majority of SaaS solutions are based on a multi-tenant architecture. With this model, a single version of the application, with a single configuration is used for all customers ("tenants").
- To support scalability, the application is installed on multiple machines called horizontal scaling.
- Users or Actors who are part of this system are Physician, Patients, Clinical Labs, Radiologist, Pharmacy, Drug Vendor, Patient Care (Nurse), Hospital admin etc.
- In this system, users like physician, patients, or clinic initiate healthcare activities like creating event, schedule and electronic medical record.
- The electronic medical records are kept in this protected region under the ownership of given user.
- The system provides user identity (authentication) based security and role based access control.
- User can perform collaborative activities like sharing, referring, updating, deleting, notifying, tracking on Electronic Medical Records (EMR).
- It supports standards like ICD-10, PACS, RIS, HIPAA compliant privacy and security of EMR/EHR

SaaS infrastructure



SaaS Infrastructure (Public Cloud)



Why OHMS?

OHMS	Other Vendor
Provides single integrated software platform to work and operate in collaborative manners for hospital, doctor, patient, lab, pharmacy	Provides separate software for hospitals, lab, pharmacy to be installed and works in silos
Install and deploy once and use forever without any maintenance.	Install on multiple machines and regular upgrade management needed
A lot of collaborative utility features like multi user interaction workflow, Remote diagnosis, other than basic EMR based HMS system	Mostly EMR based system suitable for Hospital Management System
Very cost competitive for certain user and free for some user	High license and support cost
EMR, PHR collaboration, Health Information Exchange and pervasive computing and removes barrier to interaction to legacy systems	Traditional EMR and HMS software running in each machine
Security by Authentication, Role based access control, administrator controlled	Simple username and password

	based identity authentication
It takes less than 30 minutes to start using the software	It is lengthy process to install, configure and setup user account
Physician practice management is very comprehensive and customizable for every physician in same installation	Physician practice management is comprehensive but not customizable for each physician in same installation
Accessible from anywhere any device over internet/intranet 24X7	Accessible in office premise and in local intranet only
Complete multi user workflow to help diagnosis better and faster	Multi user interaction is rarely possible
The broad and wide support of healthcare network of complete geography	Not supported
Subscription based on time and usage for public cloud deployment	Not supported always
With advanced enterprise technology, it can support more than 100000 concurrent users in public cloud deployment	Not highly scalable and performance driven
Single uniform browser based application for all types of smart phones, Ipads, mobile devices	It needs separate mobile application for different vendors specific devices

Who uses OHMS?

- Hospitals with a lot of branches in a given geography in private cloud service.
- Government organization (primary hospitals, secondary health centers included in the network) in their own public cloud service.
- Diagnostic labs and Pharmacies with many branches in given geography in private cloud service.
- Individual doctors, lab, radiologist, pharmacy in subscription based usage in public cloud services
- Medical Research institute, Drug Vendor, Insurance provider in subscription based usage.

Health Information Exchange Workflow

- Users register into the system
- Respective users log into system with username and credential
- Patient search doctor into the system over internet.
- Patient creates appointment with the required doctor.
- Doctor logs into system and confirms/cancels appointment
- Patient gets notified about this.
- Doctor keeps patient record (complaint to treatment) into the system.
- Doctor sends diagnostic test request to Clinical Labs.
- Clinical Lab logs into the system and checks test request.
- Clinical Lab schedules appointment with patient for sample collection and clinical tests.
- Clinical Lab uploads test results.

- Radiologist uploads image and updates his/her diagnosis (Radiology Information) to the referring doctor.
- Doctor or patient sends prescription to pharmacy.
- Pharmacy checks the drug stock and updates the status available or not available
- Patient collects medicine from the pharmacy.
- Drug vendor publishes drugs to doctors.

Features and Benefits

Doctors:

- Practice Management
- e-Prescription
- Appointment Management
- Patient Remote Diagnosis
- Patient EMR
- Report and Analysis
- Interaction with Lab and Pharmacy

Diagnostic Labs:

- Online order management of lab tests
- Online scheduling of test for patient
- Upload pathology lab test results
- Upload radiology test image and diagnosis
- Collaboration with referring physician

Hospital:

- Outpatient and Inpatient management

- Complete Bed management
- Patient Activity and Billing
- Admission, Transfer and Discharge management

Patient:

- Online appointment with doctors
- Online Access to own EMR
- Remote diagnosis with Doctor
- Online access to lab record
- Online order of prescription to pharmacy

Pharmacy:

- Online order management of Patient prescription
- Intimation of drugs availability or delivery to patients and doctors Hospital
- Drug Inventory and Stock Management

Radiologists:

- Online order management of radiology tests
- Online scheduling of test for patient
- Upload radiology test image and diagnosis
- Provide Radiology Information system
- Collaboration with referring physician

OHMS in Public Cloud

- No installation and maintenance of software. Upgrade of software is also automatic.

- The pricing of the software is based on time or usage. Hence the cost of software becomes very cheap compared to the licensed one.
- The data is kept in secure place and regular backup is taken so that there is absolutely no loss of data.
- The system is up 24X7 so the user can access as long as internet is available.
- The complete collaboration among the users is possible as this enables pervasive health information and exchange.

OHMS in Private Cloud

- Multiple branches of the hospitals or other organizations can share the same infrastructure within its own private domain and security.
- The Whole administration of the system is under the tight control of the authority.
- Unlimited users (doctors, lab, pharmacy, nurse, radiologists) can use the software over intranet from anywhere, anytime and any device.
- Collaboration and exchange of patient EMR becomes very easy, timely, paperless and automated
- The infrastructure is shared in a private cloud, so the cost of client devices goes down a lot.
- The external users can also be given access like public cloud. For example, patient being treated in the hospitals can be given free access to their patient record and other lab report.
- There is no installation and maintenance for each branch of the hospitals as long as each branch can connect to the central OHMS servers over internet/intranet. This

reduces drastically the IT expense for the hospitals which are widely located in different parts of the geography.

- The deployment of OHMS in private cloud mode expedites the customization of the software



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