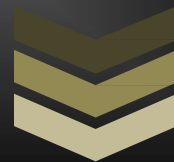


CloudPath™

LABORATORY INFORMATION MANAGEMENT SYSTEM



A CLOUD BASED ANATOMIC PATHOLOGY LABORATORY INFORMATION
MANAGEMENT SYSTEM

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CLLOUD PATH™ (A Cloud Based Anatomic Pathology Laboratory Information Management System)

A White Paper

Jan 2013

Introduction:

Laboratory information management systems (LIMS) are in essence work flow management systems that integrate the end to end working of an anatomic pathology laboratory. Introduction of innovative technologies like Digital Pathology have changed the pace and the workflow in the laboratory. Today's laboratories are moving towards a dynamic image based environment dealing with enormous amounts of images and data, as opposed to a static glass slide based one. Thus it is the need of the hour to evolve to a scalable, economical and reliable solution to efficiently integrate the work flow in an anatomic pathology laboratory, digitally enabled or otherwise.

The Problem:

A large amount of data present in the form of case details and images needs to be handled and integrated in the anatomic pathology laboratory. This process is governed by various regulations like 21 CFR part 11, HIPAA, which aim at resolving concerns related to security and integrity of this confidential data. Due to these concerns, organizations invest heavily in the outright purchase and configuration of hardware and software to meet existing work flow requirements. This process is time consuming, expensive and complicated. What is needed today is an anatomic pathology LIMS that is easy to install and configure and ensures security and integrity of data with compliance to existing regulations.

The Solution:

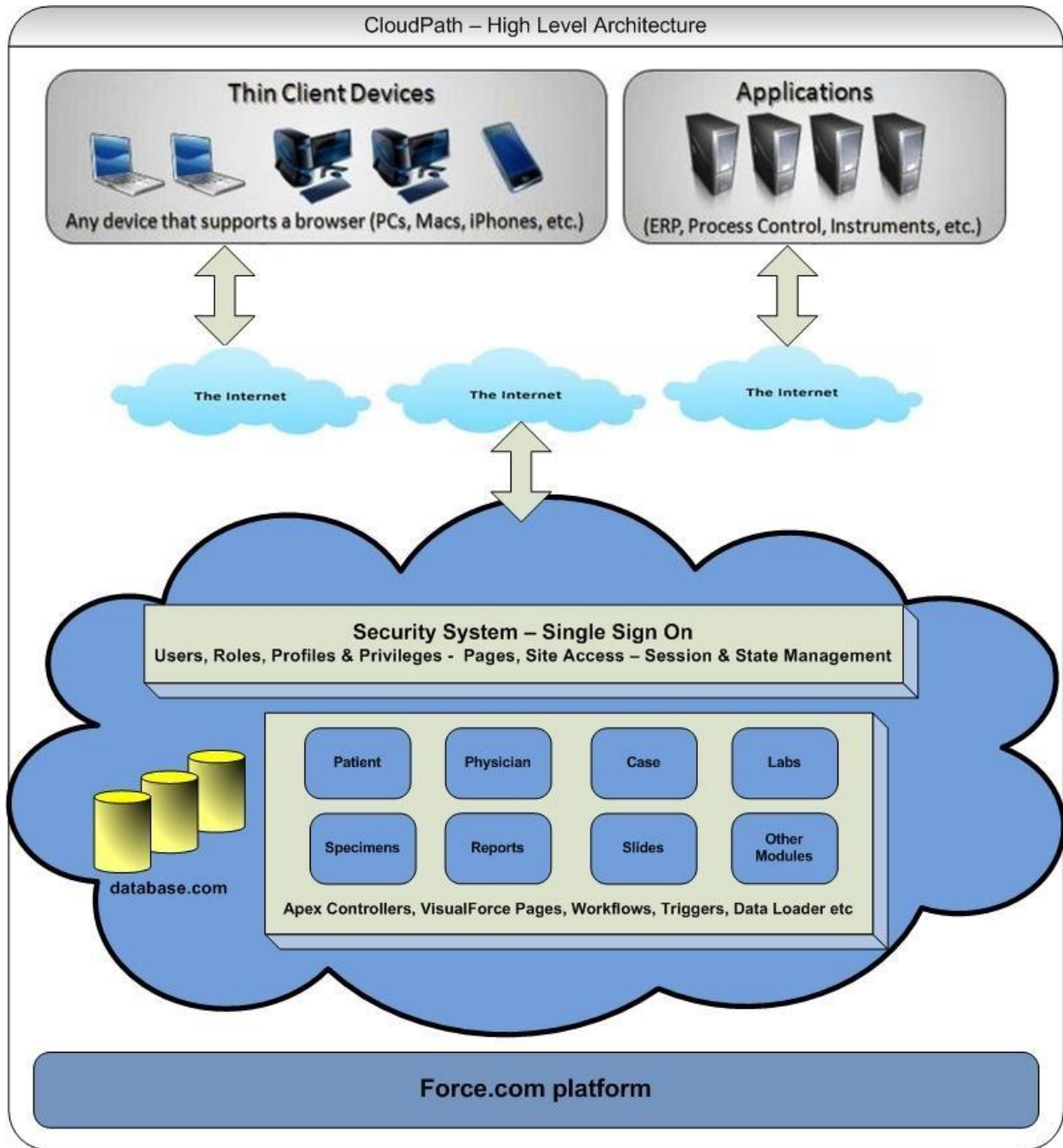
The solution is CloudPath™, a cloud based anatomic pathology laboratory information system that is deployed on the SAAS (software as a service) model. This is a unique software delivery model in which software and associated data are hosted centrally (on Cloud) and can be accessed using a web browser or an application on a mobile device.

Benefits:

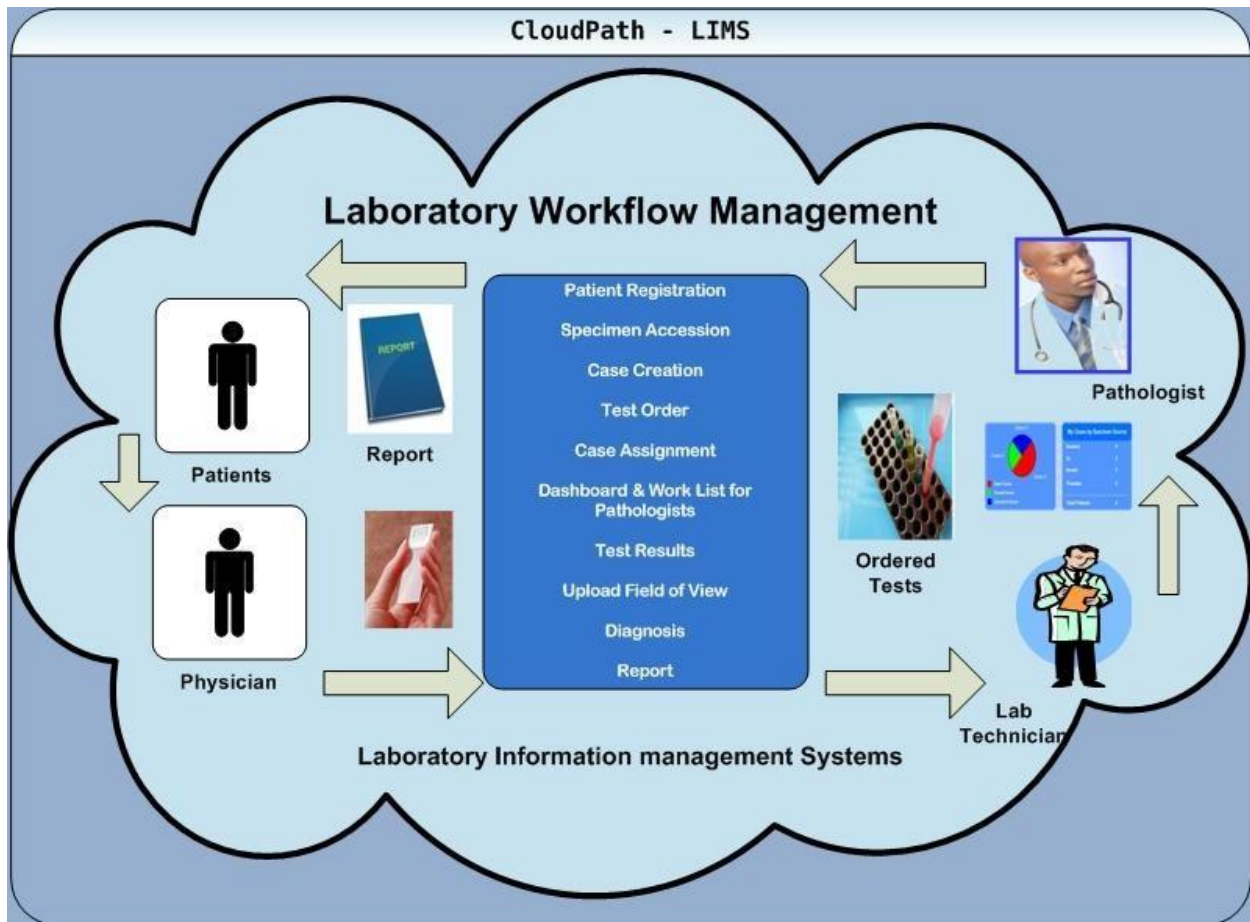
CloudPath™ offers multiple benefits like:

- 1) No outright purchase of software/hardware
- 2) Pay as you go subscription model, thus low cost with increased ROI
- 3) Faster implementation with reduced dependence on IT assistance
- 4) Customizable, scalable and flexible solution
- 5) Anytime anywhere access by a web browser or a handheld device because of the cloud based architecture
- 6) Secure password based authentication and role based authorization with single sign on for various roles like administrators, Physicians, Pathologists, technicians, patients etc.
- 7) Customizable work flows
- 8) Different modules like case details, specimen details, reporting and billing to integrate end to end work flow
- 9) Configurable email notifications
- 10) Easy integration with image management systems resulting in a complete Digital Pathology work flow management solution, integrating scanning, analysis, management and correlation with case data, and generation of comprehensive reports
- 11) Ability to integrate with third party applications like patient information systems, hospital information systems etc.
- 12) Compliance with 21CFR part 11 and HIPAA to ensure security and confidentiality of data

Technology Framework:



Ready work-flow:



Summary:

CloudPath™, is an economical, scalable, secure and reliable cloud based anatomic pathology LIMS, with minimal end-user prerequisites like a work station and an internet connection, for the end to end work flow integration in the laboratory.

Getting started:

- Please write to us at info@optrahealth.com for a live demo of the solution