Cloud LIMS...Is it the right choice for my laboratory?

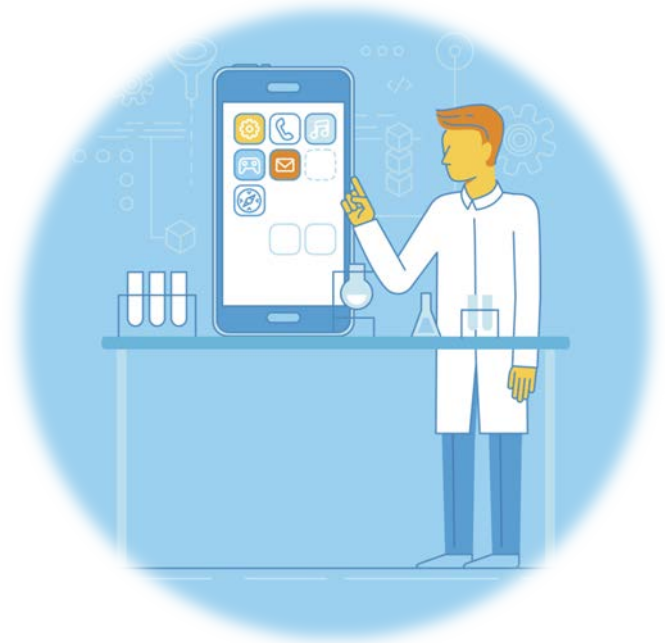**Presented by: Jeanné Mensingh**

Presenter – Jeanné Mensingh

- CEO and Co-Founder of Labtopia

- 30+ years experience in the laboratory and management

- B.S. degree in Chemistry

- Positions Held (Plant, Commercial Laboratory, Environmental, Pharmaceutical)
  - Analytical Chemist
  - QC Supervisor
  - QS Manager
  - Project Manager

- Certificated Lead ISO 9001 Auditor (13485 and 17025), ASQ CHA, ASQ CQA, ASQ CSQE, Lean Certification, Lead Assessor (TNI, DoD QSM, EPA)

- **Implemented over ten (10) different LIMS solutions**

Overview

- What is a Cloud LIMS?

- Requirements

- IT Support

- Onsite or Offsite Solution

- Security and Data Integrity

- Named versus Concurrent User

- System Integration

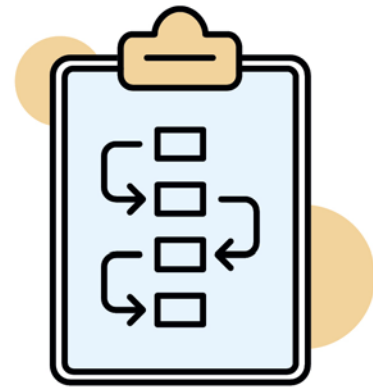- Summary

The Cloud LIMS

- There are several terms used for LIMS when provided as a SaaS (Software As A Service):

    - Cloud

    - Hosted

    - On-Demand

    - Subscription

- For this presentation, they will be used in the same context.

Labtopia
INFORMATIX

Cloud LIMS

- Key Features of Cloud LIMS:

  - A subscription service with LIMS located on the provider's server(s)

  - Hosted on a provider's server(s) with a Monthly Fee

  - Set-up and Monthly Fee

  - Alternative to ownership of licenses

  - No onsite hardware/software support

  - Feature rich LIMS at a fraction of the cost – no capital cost

Labtopia
INFORMATIX

Requirements

- Searching for the Right LIMS

  - **Requirements (most important)**

    - *Investigation*

    - *Demonstration*

    - *Implementation*

  - Applicability

  - Integration

  - Uptime and Availability! This is very important!

  - Cost

PLANNING

IT Support

- Systems Infrastructure

  - Hardware, Software

- Type of Support (24/7)

- Business Continuity

  - Offsite Backup and Data Recovery

- Proactive System Security

  - Firewall, Virus, Encryption

Labtopia
INFORMATIX

Onsite versus Offsite

- LIMS Accessibility

- Response Time (Lag)

- Data Accessibility

- Control

- Back-up/Disaster Recovery

Security and Data Integrity

- What type of security?

- Managed Server versus Multi-Tenanted?

- Audited datacenter?
  - SSAE-16/SAS 70
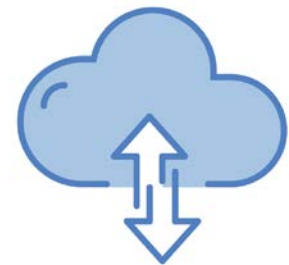 - Third Party Auditing

- Data Leakage

- Encryption

Labtopia
INFORMATIX

Named versus Concurrent

- How is access provided?
    - RDP/VPN
    - Web
    - Citrix
- Impact on cost

Labtopia
INFORMATIX

System Integration

- Can you integrate?

  - Instruments

  - Systems? (Enterprise Inventory Management, Data Historian, Process Software, Etc.)

- How will the data pass to the LIMS?

Summary

Overall the reasons for choosing Cloud versus Client Site:

- Faster deployment – no server/database set-up

- Efficiency – no reliance on internal IT support

- Minimal Capital Cost

- Lower TCO (Total Cost of Ownership)

Is this the right solution for your lab?