

Supporting a LIMS Upgrade from LabWare v6 to LabWare 8

This client is a world leader in testing, inspection, and certification services for several manufacturing and process industries. They were using Oracle for a database and transitioning to SQL Server in tandem with a LabWare LIMS upgrade. The client had a heavily customized interpretation module as part of their previous version and needed support from LIMS experts to navigate the upgrade.

The client engaged Clarkston Consulting to ensure that all current configuration, master data objects, and sample records could be migrated and leveraged as the client transitioned to LabWare 8. Clarkston performed technical configuration of the application and relevant master data objects – analyses, sample login templates, etc. - to ensure a seamless transition to LabWare 8 and SQL Server.

As a result of the engagement, data syntax was updated for the client's custom module to be functional in LabWare 8, and all data was converted, migrated, and ready for the business to conduct user acceptance testing (UAT).

Life Sciences Case Study

PROJECT OVERVIEW



INDUSTRY:



Commodities

PRODUCTS AND SERVICES :



Oil and Petrochemical
Contract Lab Testing

PRIMARY OBJECTIVES:

- Ensure that all current configuration, master data objects, and sample records can be migrated and leveraged as the client transitions to LabWare 8
- Configure LIMS subroutines, products, analyses, and other relevant master data objects to ensure a seamless transition to LabWare 8 and SQL Server
- Execute configuration, data conversion, and migration of relevant master data to prepare for the business to execute user acceptance testing (UAT)

RESOLUTION:

- Prepare client LIMS upgrade to be release-ready
- Coordinated external interfaces system-wide, including modifying the Uniform Naming Convention (UNC) path, the printer definitions in the LabWare 8 environment, and the Simple Mail Transfer Protocol (SMTP) protocols
- Configured Interpretation Manager (M0152) to work and function as normal
- Confirmed a successful LabStation module installation and verified all parsing scripts based on instrument output files were working as expected
- Updated LIMS Basic as necessary to conform to LabWare 8 Coding Standards and Naming Conventions as well as Oracle to SQL Server syntax
- Confirmed SQL views are working in the new environment
- Enhanced Visual Workflow to conform to LabWare 8 changes
- Ensured subroutines where direct INSERT, UPDATE, DELETE SQL were replaced with LIMS Basic functions, where necessary
- Removed all breakpoints/traces and obsolete code prior to go live
- Executed SQL Server syntax changes
- Reviewed and fixed all LIMS Increments

KEY BENEFITS:

- Improved overall efficiency in LIMS operation in TEST environment, ready for transition to PROD environment
- Conformed all Visual Workflows to LabWare 8 changes
- Removed obsolete code to allow for efficient running of the system
- Resolved custom configuration syntax changes due to migration from Oracle to SQL Server and from LabWare v6 to LabWare 8
- Ensured independent function of file UNC path, printer path choice, and SMTP

KPIs

- Successful execution of user acceptance testing
- Minimal to no process bugs when deployed to the production environment
- Success in running customized functionality required for key business functions in the upgraded system

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