

Web Solutions for LabWare® LIMS

Extend the power of LabWare LIMS inside and outside of your organization using the same technology company LabWare used to design and build its own core web products.

Simplica® offers LabWare® LIMS customers the opportunity to reach outside of the traditional lab user environment via custom web applications that leverage LabWare LIMS strengths. Now anyone or any system can connect to LIMS without the need for the traditional LabWare LIMS client interface.

You already know LabWare LIMS offers unmatched power, high configurability, and rock solid UI design. To extend that power, Simplica uses standard web technologies to deliver custom web applications as well as seamless integration with other systems within your enterprise. What's more, our unique technology architecture interfaces to your current LIMS system whether it is a desktop client or web browser (WebLIMS) deployment – you get the best of both worlds.

The web continues to extend its reach as an application delivery platform, which can make a LIMS implementation more than just a stand-alone application. Being able to connect and integrate with casual and remote users and other applications across your enterprise means leveraging the work done in your labs for the benefit of more users in your organization and beyond.

Simplica can deliver rich cross-browser solutions that meet exactly what your users need. Whether you need a complete LIMS system or specialized components, we provide world-class web-based LIMS solutions.

*We Are the Experts
in LabWare Web Technologies*

KEY FEATURES

- ◇ Solutions for any market—pharma, petrochem, clinical, contract lab, and more
- ◇ Cross-browser, zero footprint—perfect for public web site access
- ◇ Security integration for single sign-on of users
- ◇ LIMS configured templates and reports are automatically updated
- ◇ Completely custom styles/graphics to fit any look and feel requirement
- ◇ Web 2.0 technologies including AJAX and web services
- ◇ Intuitive and efficient screen designs that reduce or eliminate training

EXAMPLE PROJECTS

Public Facing Applications—Sometimes users outside the enterprise need to interact with LIMS. For example, a contract lab might need its own customers to log samples, check status, and get results.

Intranet Portals— Simplica can provide intranet portals so front-line employees as well as decision-makers can get their own dashboard-style view of key information from LabWare LIMS as well as other internal systems (ERP, CRM, and more).

Non-lab User Interfaces—LIMS is generally for main-stream lab personnel, but in some situations, infrequent users need to interact with LIMS. The web is a perfect vehicle for these users and Simplica can design simplified, easy-to-use interfaces—such as step-by-step wizards— for most any LabWare module.

Enterprise Application Integration—Business software systems are expected to interconnect and share information. Service-oriented architectures (SOAs) provide the fabric for applications to work together. Simplica has in-depth knowledge of web services and other system-to-system connectivity to LabWare LIMS.

HOW IT WORKS

Simplica LIMS web solutions are add-on applications to LabWare LIMS that work with any size LIMS installation and any client type—desktop, web, or Citrix®. We use the same Web 2.0 technologies as those used in the core LabWare web products.

Applications are developed to run on any Java web/application server using standard Java EE technologies. User interface projects are done with the same rich AJAX-enabled components as used in LabWare WebLIMS and integration applications are done with standard web services APIs.

Custom Web Applications—User Interfaces

Since each user interface is designed to meet each customer's requirements, we are able to create specific coloring, styles and graphics for that requirement. The user interface itself can be a full page or a partial page design for integration in portals and public web sites. Navigation can also be customized to be part of a containing page.

Often requirements dictate that users only have to log in once to a portal or web site. In these cases, we can provide single sign-on logic that authenticates users with LIMS behind the scenes so they can enter the application directly without being prompted for LIMS log-in credentials.

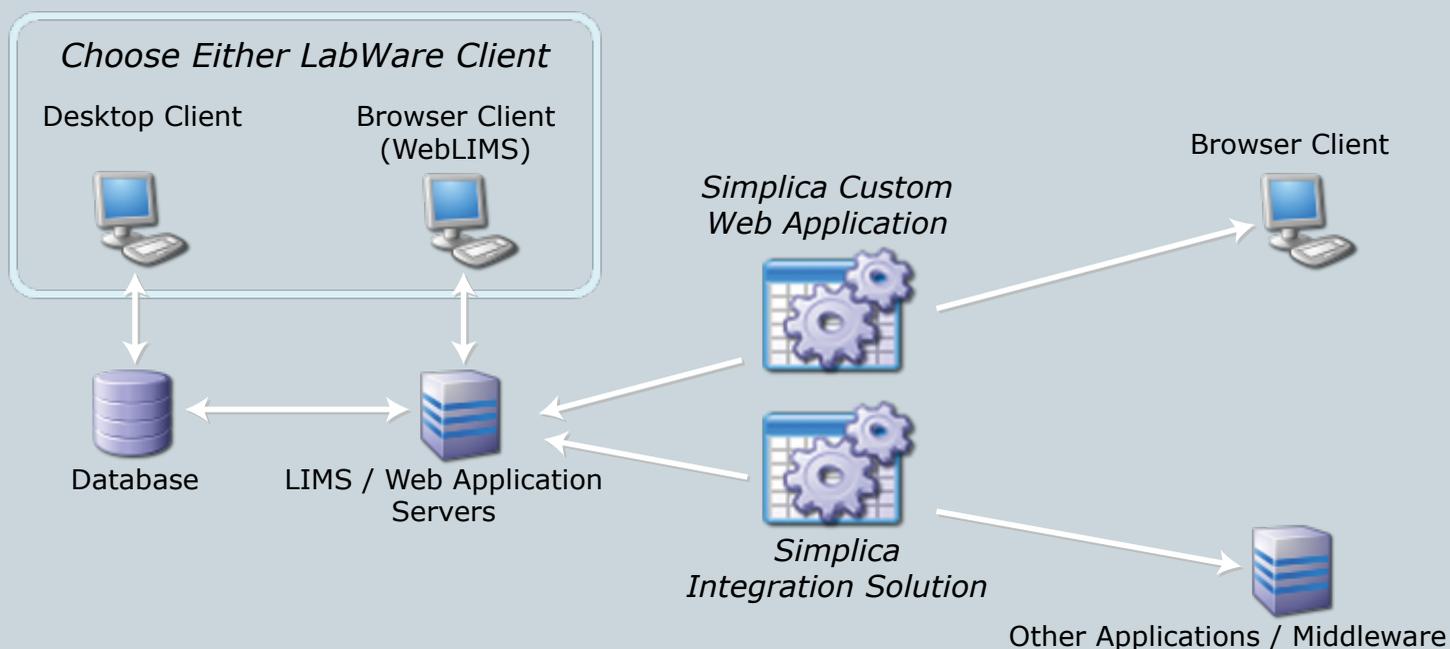
Data presentation can be custom or automatically created from LIMS template configurations. This means that you can use the power of LabWare's configuration engine to make changes in the web application without any programming.

Laboratory data can be complex—particularly for non-lab or casual users. We can simplify sophisticated data entry tasks through the use of step-by-step wizards and simplified navigation controls, which can significantly reduce or even eliminate training for these users.

Integration Solutions—Application to Application

Not every requirement needs a custom user interface. The "consumer" may not be a person directly, but instead another application or system. Organizational architectures can be built on Services Oriented Architecture (SOA), or they can involve middleware type applications such as an Enterprise Services Bus (ESB). We can ensure that LabWare LIMS fits properly into these architectures.

LabWare LIMS exposes a rich API through its LIMS basic system, which includes hundreds of built-in functions. Where needed, we can define custom routines to meet most any requirement.



ABOUT SIMPLICIA® CORPORATION

We believe the Internet technology platform is the key to making future applications simpler for developers to create and users to use. For 10 years, we have delivered innovative tailored business solutions with web-based software and professional services.

We have been a LabWare development partner since 2002. We designed and built the web technology stack used in LabWare's WebLIMS and Web Services products. We have been an integral part of their software development team and they have licensed our software technology for inclusion in their products.

In addition to LabWare, organizations around the world use our products and services to build advanced Web 2.0 applications faster and easier than traditional methods. Besides software, we provide our clients with professional support, architecture, development, and training services that help them deliver business results quickly and cost-effectively.

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