

UNICON® PORTLET DEVELOPMENT SERVICES

Accelerate development and adoption of the campus portal.



Portals give institutions accessibility to the online applications and personalized information users demand, regardless of how many different systems and processes an institution may have. In accommodating the aggregation and display of diverse content, applications, and services, an enterprise portal provides a framework that integrates several template component types. One of the more complex component type is the portlet which functions as a pluggable user-interface component providing a presentation layer in the portal for information systems. A well conceived and designed portlet can deliver high value to the end user therefore ensuring increased portal adoption.

Often portlets are misunderstood or not developed to their full capability. Maximizing the development of a portlet can deliver high value to the end user, impact how end users interact with the institution, and ensure increased portal adoption.

Unicon now offers institutions services for the creation of portlets that get the most value from the campus portal. Obtaining the right balance of functionality and user design affects the success of the portlet. Unicon's portlet development service affords institutions the needed experience, capacity, and project knowledge to maximize functionality, increase speed to market, and successfully deliver a better online user experience.

Java Portlets

The Java Portlet Specification V1.0 was developed under the Java Community Process as JSR 168. JSR 286 is the Java Portlet specification v2.0 developed to improve on the shortcomings of JSR 168.

JSR 168 and JSR 286 specifications enable interoperability between Portlets and Portals. These specifications will define a set of APIs for Portal computing addressing the areas of aggregation, personalization, presentation, and security.

Portlets created or enhanced by Unicon include:

- ✓ Announcements Portlet
- ✓ Budget Portlet
- ✓ Calendar Portlet
- ✓ Campus Map Portlet
- ✓ Facebook Portlet
- ✓ Featured Story Portlet
- ✓ LMS Integration
- ✓ Mail Portlet
- ✓ RSS Portlet
- ✓ SIS Integration
- ✓ Tabbed Search Portlet
- ✓ Weather Portlet

Unicon

Unicon, Inc. specializes in software consulting services including the delivery of technology solutions and support, systems integration, and software engineering. The company effectively utilizes open-source frameworks, applications, and software to provide enterprise-level portal, collaboration, learning, messaging, and authentication solutions for higher education institutions worldwide.

Unicon is a Sakai Commercial Affiliate for the open source Collaboration and Learning Environment, a Jasig Partner and authorized Solution Provider for both CAS and uPortal, and member of the Oracle Partner Network. Unicon strives to base its solutions on standards-based, open source technology for increased productivity and reduced costs.



3140 N. Arizona Ave. Suite 113
Chandler, AZ 85225
480.558.2400 Phone
480.558.2320 Fax
info@unicon.net
www.unicon.net

A Comprehensive Approach to Portlet Development

Unicon is skilled at developing JSR 168 or JSR 286 standards-compliant portlets or platform-specific portlets and offers full life-cycle portlet development services. With complete development from ideation to implementation and support, Unicon starts with understanding a client's needs and partnering with them to agree on a comprehensive strategy.

Unicon helps clients achieve goals more quickly and with decreased risk through a wide array of methodologies, tools, and proven web development frameworks.

The first step is to incorporate existing requirements and create new requirements if needed. Once the requirements for developing the portlets are indicated, Unicon's experienced team uses best practices combined with agile methods to enable the rapid delivery of high-quality portlets.

Unicon can help institutions with the following services for the development of portlets:

- Analysis
- Requirements Definition
- Usability
- Design
- Consulting
- Mentoring
- Custom Portlet Development
- Standards-based Portlet Development
- System Integration
- Training and Knowledge Transfer

Why Unicon

Unicon applies its technology and industry experience to develop portlets that address the complexity of today's multi-platform, multi-application IT environment. Unicon has a history of applying innovative approaches to new and proven technologies, including the use of application frameworks, such as Spring Portlet MVC, (developed by a Unicon team member and one of the most widely used frameworks) for building portlets.

Unicon can also develop enhancements to portlets, upgrades when necessary, and educate institutions' staff through an exclusive Portlet Development Training. Once created, Unicon can assist institutions in contributing the portlet code back to the open source community. Contributing to the open source community requires very little effort and is a rewarding endeavor.

For a discussion of specific needs please contact Unicon via the information to the left.