



**JES & CO. MANAGED LEARNING SYSTEM
ACADEMIC STANDARDS AND ASSESSMENT SYSTEM**

Using Today's Technologies to Manage Learning Resources and Meet Accountability Standards

The Academic Standards and Assessment System (ASAS) solution from JES & Co. meets today's demand to align academic curriculum, learning resources, and assessments with rigorous academic standards. Using integrated, open, and extensible Web technologies as well as extensible markup language (XML) data structures designed to comply with federally supported and published research on curriculum alignment and resource cataloging, this solution allows educators to easily manage information about learning and teaching resources. Affordable Intel® Architecture-based systems provide the responsive performance needed to manage rich multimedia educational content and enhance the effectiveness of the teaching staff today, while offering the headroom to remain productive tomorrow.

FACING THE CHALLENGE

Of the many pressing issues facing educators and education agencies today, few are more urgent and timely than properly aligning academic curriculum, learning resources, and assessments to rigorous academic standards in a way that serves not only teachers in the classroom, but accountability systems and reporting engines in the back office.

The newly reauthorized Federal Elementary and Secondary Education Act, commonly referred to as *No Child Left Behind*, places new demands on educators and administrators to raise student achievement and document in considerable detail, ongoing improvement and success. For most of the nation's 16,000 school districts, the daunting task of integrating proprietary information technology (IT) systems and legacy data stores to meet new federal reporting and accountability requirements can seem insurmountable.

The burden is perhaps even greater on the nation's 3 million teachers and classroom educators who are faced with a confusing array of local, state, and national academic standards—and a mandate to incorporate them into classroom delivery and assessment. Even the most technologically savvy have difficulties navigating the plethora of proprietary interfaces to content repositories and lesson banks, assessments, courseware, and learning resources.

With federal funding at stake, educators and school administrators now demand that market solutions embrace open, non-proprietary standards for data interchange and business process integration. Using technology to find, catalog, and deliver quality educational resources to each of our nation's 50 million school children and to demonstrate that technology positively impacts student achievement is a challenge that interoperable, research-based solutions need to meet head-on.

SOLUTION BLUEPRINT DATA SHEET

Industry
Education

Business Challenge

Creating an infrastructure that can effectively support the delivery of curriculum learning resources, and academic standards assessments across multiple interfaces

Technology Solution

Managed Learning System solution from JES & Co.

Enterprise Hardware Platform

Scalable Intel® Architecture servers

SOLUTION ARCHITECTS



MEETING THE CHALLENGE

The ASAS solution allows users to create, share, and retrieve XML-based records that contain information about learning objects—such as lesson books, lessons, documents, online courses, pictures, video and audio clips, Web sites, pieces of paper, or anything else a teacher could use in the classroom. These learning objects can be cataloged to include alignments with state and national academic standards. The records enable educational professionals to quickly find and assess resources that help meet targeted teaching goals.

As part of the JES & Co.'s **Managed Learning System (MLS)** framework for technology in education, the ASAS solution meets industry standards for delivering an interoperable, scalable architecture and federally funded research that meets academic requirements and educator needs. This solution allows schools to leverage today's technology to manage and catalog their own resources, build back-end accountability into decision and information support systems, and share aligned curriculum, lesson plans, and other resources seamlessly with other schools, districts, and state education agencies.

SOLUTION BENEFITS

The benefits this solution provides include:

- Provides teachers and other classroom educators critically needed tools to find, acquire, and deliver quality educational resources
- Offers administrators the ability to correlate standards to classroom activities
- Permits IT departments and integrators to link key curriculum information to back-end accountability, decision support, and administration systems
- Helps districts and states meet federally mandated accounting and reporting requirements
- Is affordable for smaller schools and districts
- Can be scaled to meet the needs of a state or commercial service

FEATURES

Provides an online intranet, extranet, or Internet server

Offers a Web-enabled resource storage area

Delivers resource alignment and configuration tools

Is based on high-performance, low-cost, open-standards-based hardware

Provides easy-to-use tools for accessing and reading resource materials

Can be customized using Web-enabled search and retrieval templates

BENEFITS

Provides teachers and other classroom educators critically needed tools to find, acquire, and deliver quality educational resources

Offers flexible, low-cost access

Minimizes costs associated with setup and administration

Is affordable for a wide range of school systems and budget levels

Can be scaled, as needed, to meet educational and infrastructure requirements

Maximizes return on investment

Offers accessibility to a wide range of users

Permits IT departments and integrators to link key curriculum information to back-end accountability, decision support, and administration systems

LEARN MORE ABOUT THIS INNOVATIVE SOLUTION

For general information about the products described in this data sheet, visit:

www.jesandco.org

www.intel.com/modelschool

www.dell.com/k12/mls

www.intel.com/go/solutionblueprints

www.bearingpoint.com

www.microsoft.com/classserver

www.riverdeep.com

If you have a specific question about implementing this solution within your organization, contact your Intel representative or e-mail us at:

solutionblueprints@intel.com

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