

Next Generation SIS: Web-Based SIS



ARKANSAS
DEPARTMENT
OF EDUCATION

ENTERPRISE DATA SYSTEMS

Powering Tools. Delivering Data. Real-Time.

Research & Technology

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AGENDA – STATEWIDE INFORMATION SYSTEM (Web-Based)

SIS

- ADE Core Data Systems
- SMS-FMS and, SIS Architecture
- System Comparison
- System Objectives
- System Roll-Outs
- SIS Launch Pad
- SIS Website Demo



ADE CORE DATA SYSTEMS

SIS

STATEWIDE INFORMATION SYSTEM



ADE STATE DATA WAREHOUSE



ADE DATA CENTER



ARKANSAS STUDENTGPS DASHBOARDS



STANDARDS ANNUAL ACCREDITATION SYSTEM



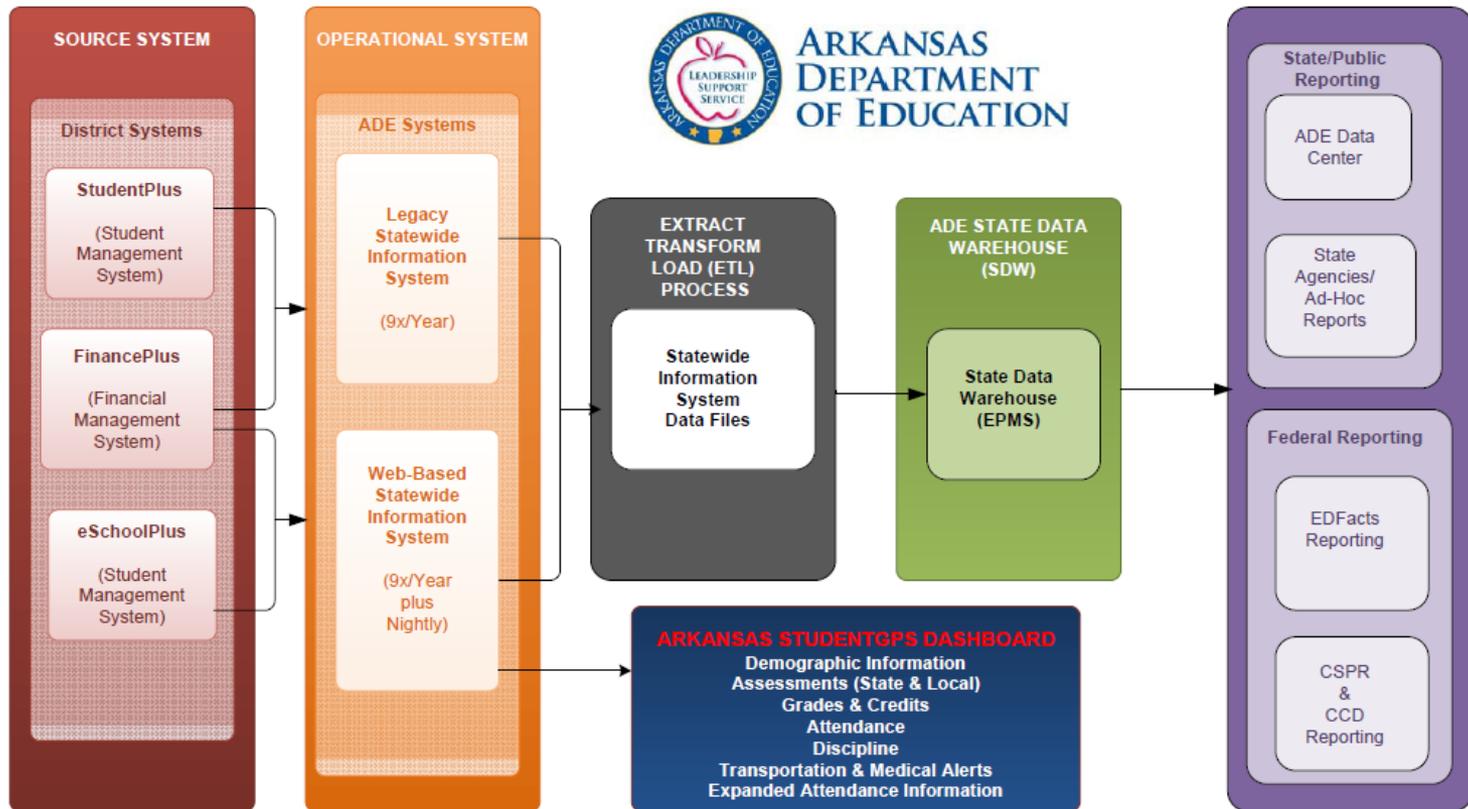
ARKANSAS EDUCATOR LICENSURE SYSTEM

ITA

INFORMATION TECHNOLOGY ARCHITECTURE



SMS - FMS & SIS: INFORMATION SYSTEM ARCHITECTURE



Source: ADE Research & Technology - Data Reporting & Systems



STATEWIDE INFORMATION SYSTEM

PAST

- Legacy SIS: Year 1997 - 1998
- Source Systems: StudentPlus and Finance Plus
- Data Nine Times/Year from School Districts
- Based on Informix and 4GL/Genero programs and coding standards
- Legacy Graphical Use Interface — No Mouse; Limited Interaction
- Process is time consuming, laborious and prone to data errors, may take 3+ hours/district
- Fax/Paper Resubmission Requests
- Districts “Pull” Data from Source Systems to State; errors are in the form of Phase O, 1, 2

CURRENT

- Web-Based SIS: Year 2011 - 2012
- Source Systems: eschoolPlus and FinancePlus
- Data Collected Nightly and On-Demand
- Architected on modern Microsoft .NET and Microsoft SQL Server technologies
- Web-Based Graphical User Interface; Extremely User Friendly
- Real-Time Data Feeds and Status Monitoring possible
- Electronic Resubmissions
- Online “Warnings” and “Errors” alert Districts of Potential Data Quality Issues

SIS



WEB-BASED SIS OBJECTIVES

SIS

- Dynamically handle multiple source systems
 - StudentPlus
 - FinancePlus
 - eSchoolPlus
 - LEA Profile/SIS Global
- Process district data on a nightly basis
 - Every district will be processed.
 - Current cycle build process is automatic.
 - Multi-threading to meet processing window.
- Allows districts to update source systems
- Allow districts to view errors/warnings
- Allow districts to start manual build/validate/submit
- Allow districts to request a resubmission of a past cycle



WEB-BASED SIS ROLL-OUTS

- The rolls-out for Web-Based SIS are in sync with eschoolPlus roll-out plans:

SIS

PHASE	SCHOOL YEAR	COUNT OF NEW SCHOOL DISTRICTS	CUMMULATIVE DISTRICTS COUNTS
1	2011 - 2012	3	3
2	2012 - 2013	39	42
3	2013 - 2014	76	118
4	2014 - 2015	140	258

- Note:**
 - By 2014-2015 all school districts will be using Web-Based SIS
 - For SY 2014 - 2015, Web-Based SIS starts with Cycle 2 (October 1, 2014)



SIS WEBSITE

- <https://adedata.arkansas.gov/sis>

SIS

NAVIGATION

- [Home](#)
- [Getting Started](#)
- [SIS Handbooks](#)
- [Cycle Documents](#)
- [Resources](#)

Contact

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Link to SIS System
<https://adesis.arkansas.gov>

Welcome to Statewide Information System

The Statewide Information System (SIS) is a web-based system developed by the Arkansas Department of Education's Research and Technology Division to enable school districts to submit and certify data to the State. The system will be used by school districts using eSchoolPlus software. The system has the capability to pull data from various source systems like StudentPlus/eSchoolPlus and, FinancePlus districts pertaining to Student Management System (SMS) and Financial Management System (FMS) on a nightly as well as on-demand basis as required by school districts. The SIS Cycle Submission process was developed to replace an existing system through which districts reviewed summarized financial and student information before submitting and certifying the data to the State.

Related Systems

Statewide Information System Reports



The Statewide Information System Reports is a collection of public data from Arkansas Public Schools on topics such as finance, student demographics, course enrollment totals, and much more at the State (SEA); County; District (LEA) and School (SCH) levels.

Course Code Management System



The Course Code Management System (CCMS) may be used to verify course codes are entered on student and master course schedules in accordance with the ADE's published course code guidelines. The CCMS also contains the licensure codes required to teach a course at certain grade levels. The CCMS may be printed online or exported into a spreadsheet.

Job Code Management System



The Job Code Management System (JCMS) lists both certified and class job codes, job titles, required licensure codes and applicable student grade ranges for a the licensure code. The JCMS data may be printed online or exported into a spreadsheet.



IMPORTANT CONTACTS

WEB-LINKS

- ADE SIS Launch Pad - <https://adedata.arkansas.gov/sis/>
- ADE SIS Website - <https://adesis.arkansas.gov/>
- Access - <https://adedata.arkansas.gov/sis/GettingStarted.aspx>
(Download and Submit/Fax Cycle Coordinator - Web-Based SIS form to ADE)

SIS

SUPPORT E-MAIL

- ADE SIS Support E-mail: ADESIS.Programmers@Arkansas.Gov
- Arijit Sarkar, ADE Director of Information Systems
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