

# Automating Colorado State Reporting

By Using

**Intouch Reports**

**Colorado State Reporting Module**

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The problem:

**CDE reporting**

**The answer for FT. Morgan:**

**Intouch Reports**

**Colorado State Reporting Module**

# How it helped us

Saves time and resources by automating:

- Data extraction
- Data transformation
- Short turnaround time:



# How it works:

**SASI**



**Edulink Data Warehouse**



**State Reporting Module**



**CDE Formatted Files**

# How to populate Data Warehouse from SASI

- Customize/define extract
- Extract, transform, load (ETL) Setup

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# How to create state reports

- CDE reports: October, Labels, March, Safety & Discipline, EOY, RITS
- 4 Easy steps
  1. Setup report
  2. Create report
  3. View/change/audit data
  4. Extract file

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Intouch Reports demo ...

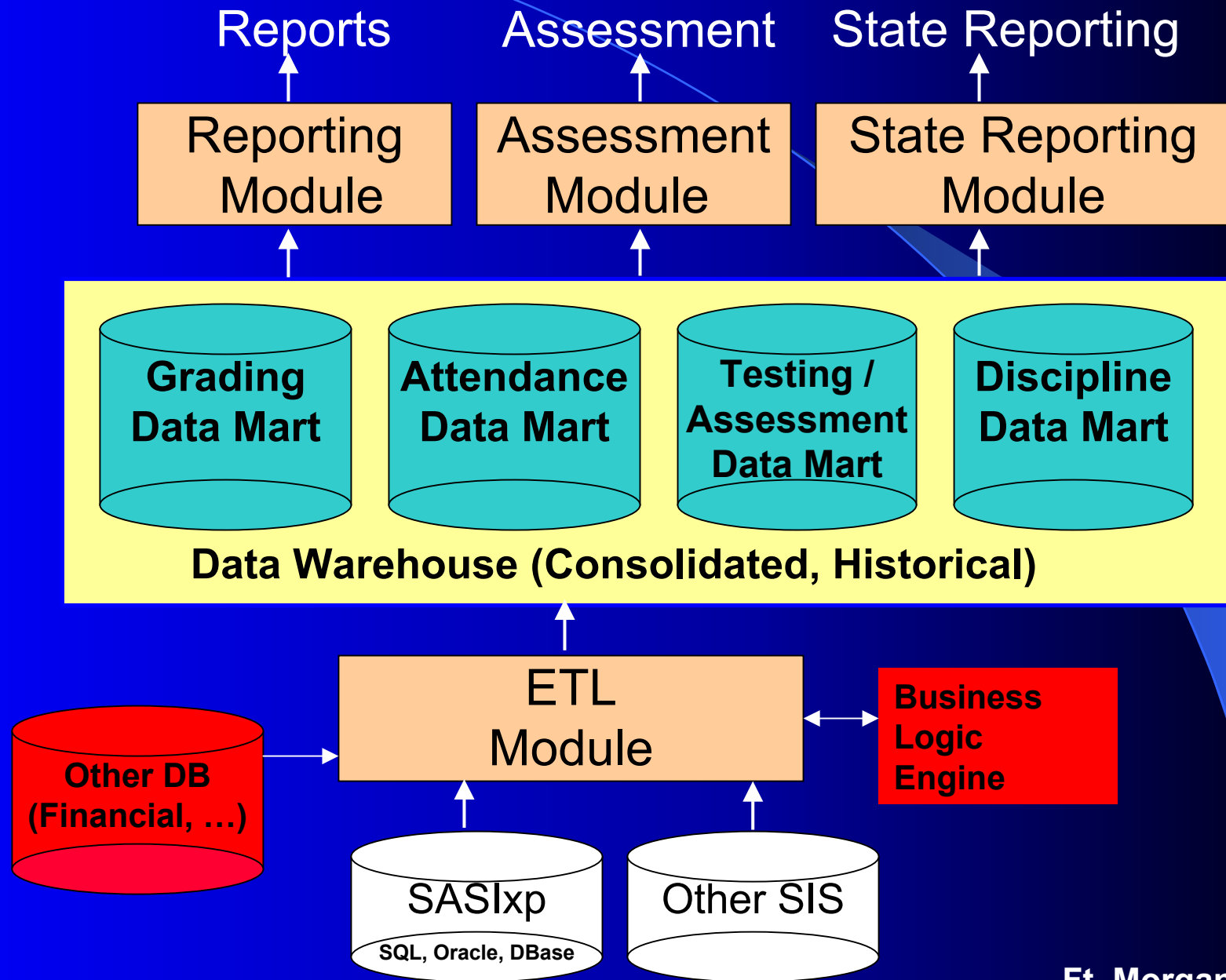
# What is Intouch Reports

- Exports, transforms, cleanses, loads Data Warehouse
- Based on Data Warehouse
- Relies on Student Information System for data
- Refreshed periodically
- OLAP (on-line analytical processing) database for queries, audit, and analysis
- Simple to query and to report against
- Defined standards (SW engineering, industry standards)

# Intouch Reports Advantages

- Flexible, configurable business logic engine
- Business logic applied once - in ETL process
- No need of reapplying business logic while reporting/querying
- Simplified management and creation of state and district mandated reports
- Eliminates report discrepancies
- Cuts drastically development time
- Practically no maintenance

# In-Touch Reports Architecture - Diagram



# Intouch Reports Architecture - Details

- Flexible, configurable business logic engine
- Based on Intouch Data Warehouse
- Multi-dimensional database (Data Marts)
- Contains historic (multi-year) consolidated data
- Contains current snapshot of operational data
- Report, Query, and Analysis ready
- XML Web Services
- Web report/query delivery
- Open architecture

# Intouch Reports Technology

- SQL Server 2000
- .NET / Web Services
- Crystal Reports, Microsoft Reporting Services
- Pivot Tables → Queries / Analysis
- Browser Interface
- Rich Windows Client Interface (Web enabled)

# Why Intouch Reports

## End User Perspective

- Extremely simplified creation of ad hoc reports and queries (no need to apply business logic)
- Report modifications
- Report audits
- Report audits - Easy discovery of data and report errors
- Historical data analysis
- Consolidated reports
- Contains data from other applications (Financial, Analytical, etc.)
- Flexible report delivery
- Industry-standard tools
- Short Edulink response time

# Why Edulink System's Intouch Reports

- Proven track record of domain knowledge
- Trusted name in the K-12 community
- Stable, tested business logic engine
- Structured software development process technology (OO, UML, Patterns)
- Industry standard tools