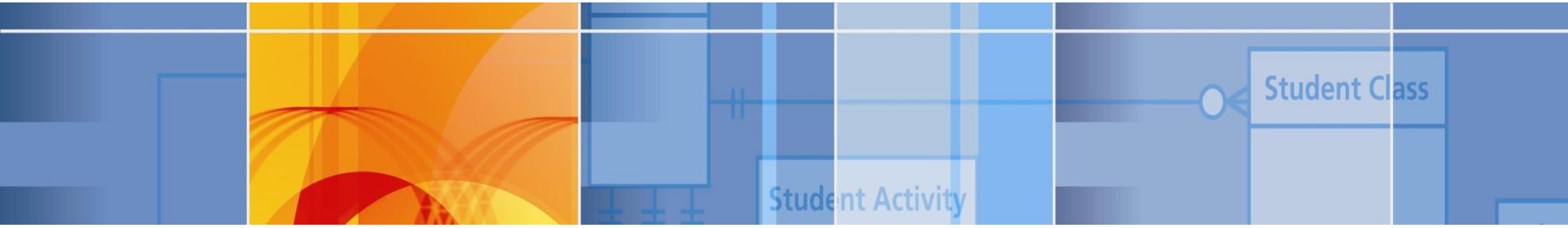
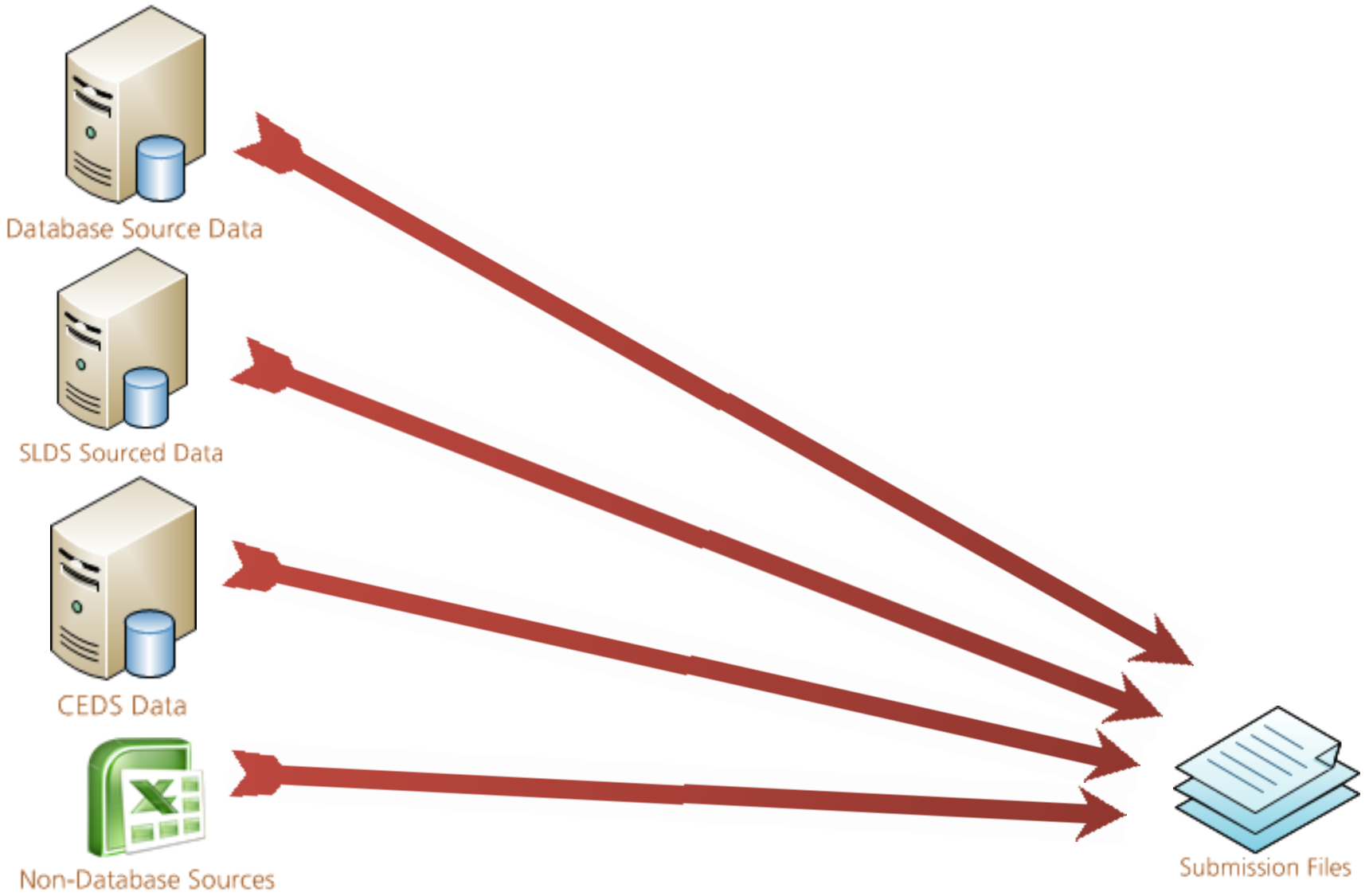
ED*Facts* Shared State Solution (ES3)

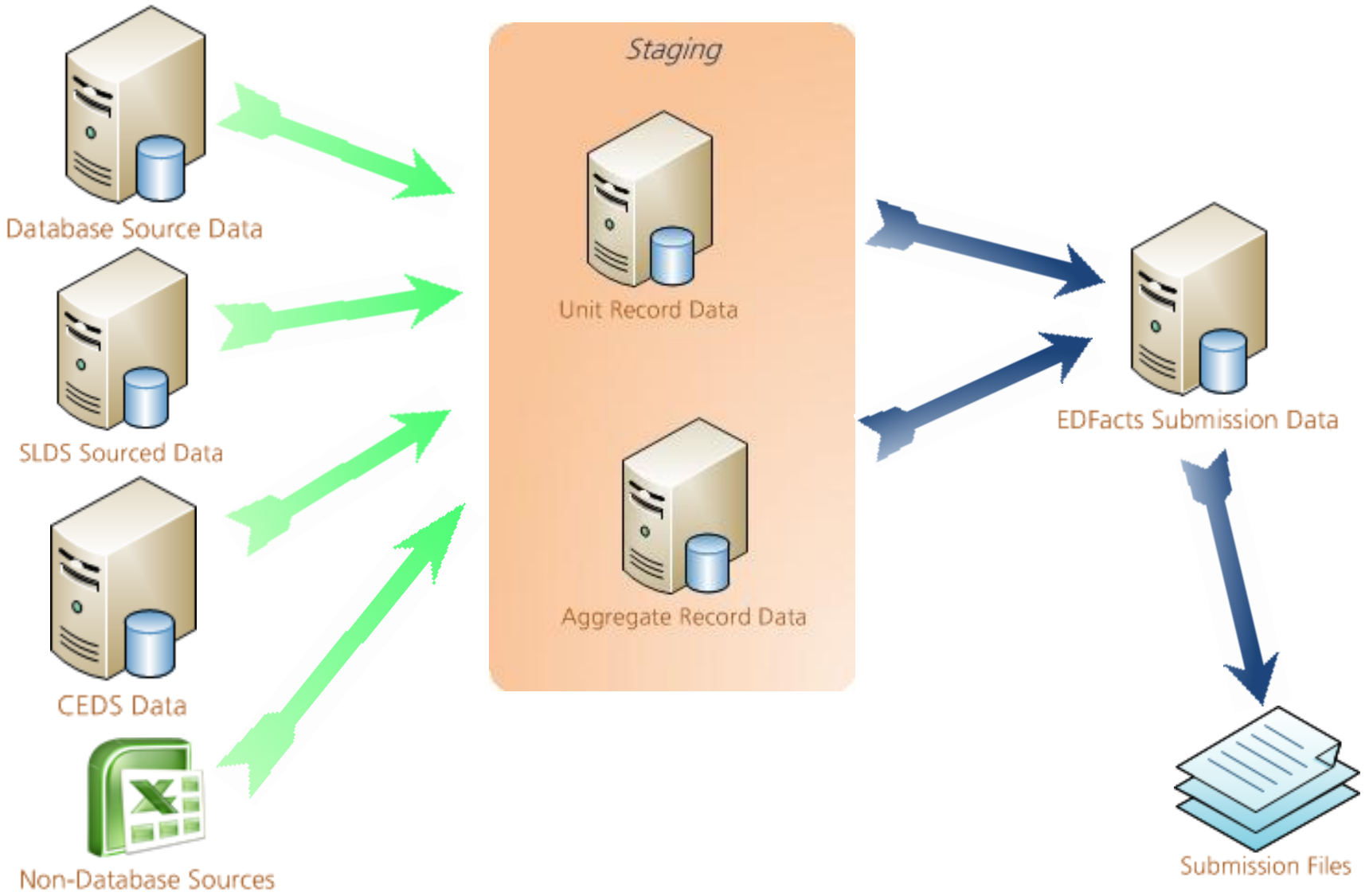
An Open Source Approach to doing ED*Facts*



Original ED*Facts* Data Flow



ES3 Architecture/Data Flow



Why a Third Party Had To Do This

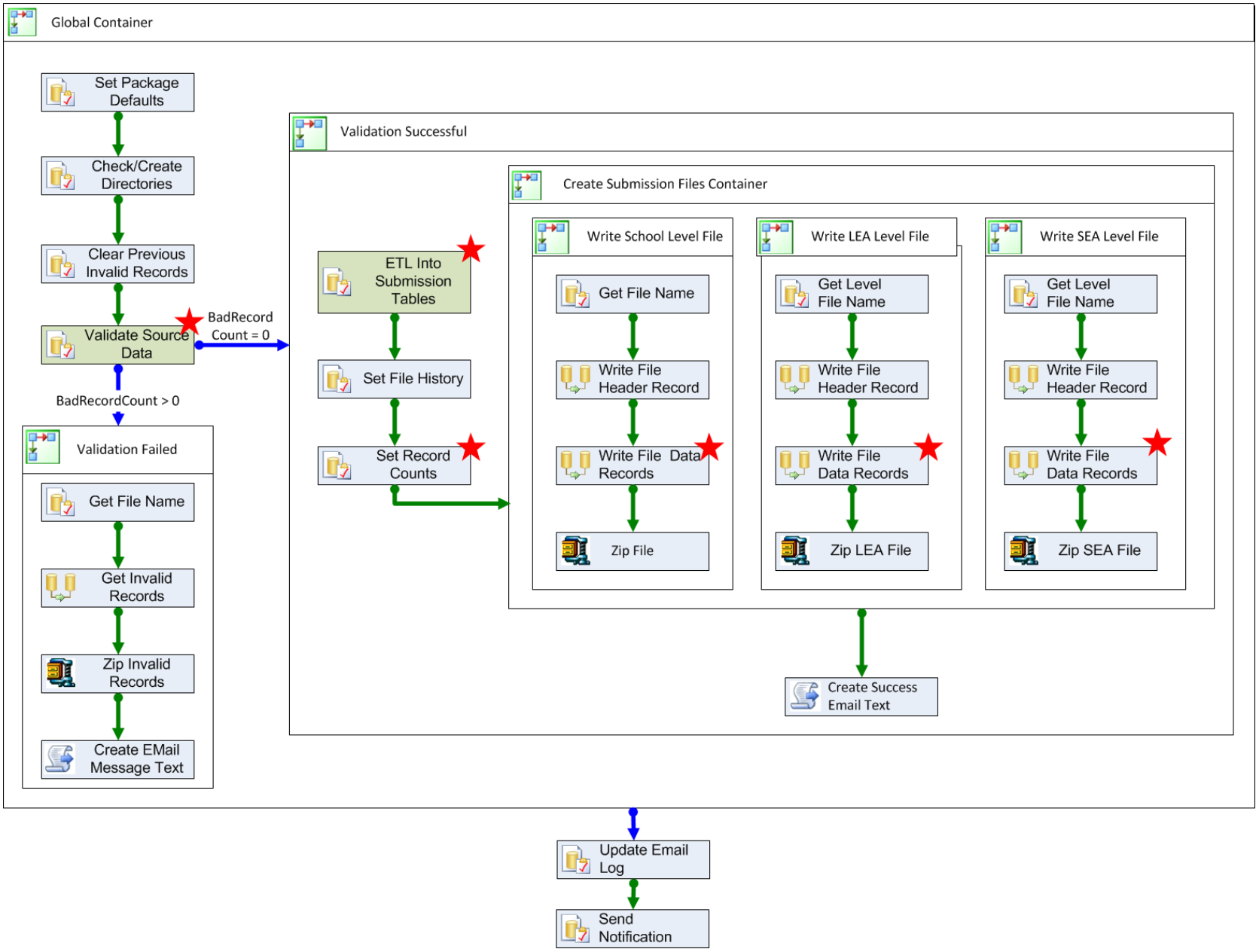
- States have been more than willing to share their efforts
  - State Specific Codes or Assumptions Built into the Routines
  - Documentation is “Spotty,” Especially State Assumptions
  - Most Solutions not Designed for Easy Customization

- ESP Had To Do This
  - Multiple Clients
  - Multiple Approaches
  - Each a “Work for Hire” with Public Funds
  - Deep Understanding of the Pain

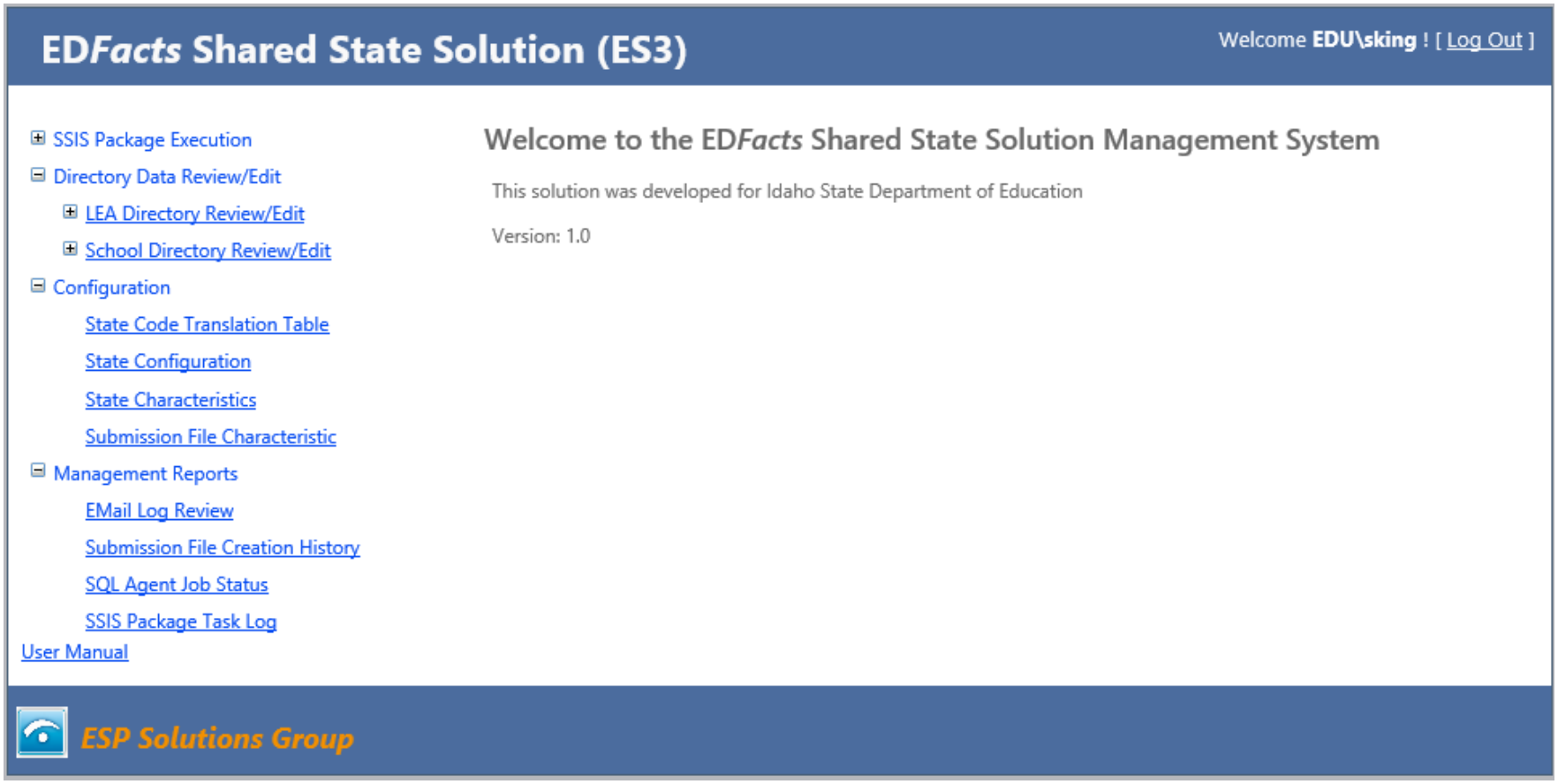
Design Principles

- Standard Microsoft Stack
- Staging Tables Aligned with CEDS, Other Standards
- Modular and Designed Expecting Change
- Template Approach to Design
- Compartmentalize Customization for a Specific State
- Minimize Footprint and Security Exposure
- Email Notification of Processing Results
- Attachments are Zipped and can be Password Protected
- System Logging and Auditing
- Validation Reports
- Management and Operational Reports

Consistent and Robust Template



Web Management System



System Documentation

- Development Guide
- Deployment Guide
- Web Interface User Manual
- Web Interface Installation and Configuration Guide
- Submission Package Documentation

Benefits

- Based on CEDS and Other National Standards
- Shared Risk with Other States
  - ID, ME, MO, SD, TN, USVI
- Minimized and Shared Maintenance
- You Own and Can Manage
- Multiple Users and Development
- External Coordinator Back-up
- Distributable File Creation
- ES3 Partner Association

ESP ED*Facts* Experience

- Ground Floor EDEN/ED*Facts* Design Support to USED
- Designed and Built the ED*Facts* XML Validation Schemas and XSLT Transform system
- EDEN State Site Visits (2003 and 2004)
- Multi-state ED*Facts* Reporting
  - (DE, LA, NC, NH)
- SEISS Team
- ES3 used as reference model for CEDS and ED*Facts*

Nobody Has More Experience

ESP Solutions Group