

SDMC, End-to-End Solution and Legacy Modernization

In the State of California, Medicaid claims for behavioral health services such as mental health and alcohol and drug treatment are processed outside of the main Fee-for-Service system. The 25 year old legacy mainframe application operated on software that was no longer supported and resistant to improvements for meeting HIPAA compliance. The California Department of Health Care Services' Office of HIPAA Compliance contracted with Trinity Technology Group, Inc. to develop Short-Doyle/Medi-Cal (SDMC), an entirely new end-to-end solution with a state-of-the-art claims adjudication system combined with a fully HIPAA compliant, easy to maintain system for claim submittal and remittance advice generation.

Key Benefits to the Client

- **Modernization of the system** – Replaces the 25-year old legacy claims adjudication system with a new application that introduces modern application design techniques based on use of a business rules engine enabling greater understanding of what the system does by the business users.
- **Swift & Intuitive Processing** – Enables faster, more accurate changes to the adjudication process by separation of the orchestrations (application workflow) and the business rules.
- **Champions New Regulations** – Delivers a claims processing system that is compliant with HIPAA transactions and code set (TCS) regulations, while preserving the strategic business and IT plans of the Department of Alcohol and Drug Programs (ADP), Department of Health Care Services (DHCS), and the Department of Mental Health (DMH).
- **Enables traceability** – The solution readily enables traceability of business rules applied to claim adjudication, traces amount paid to the submitted claim, and utilizes the latest SNP level 1-7 edits. Claims go through adjudication immediately so that rapid identification of errors will enable Counties to make corrections for timely payment of services to providers.

Overview

The California Department of Health Care Services' Office of HIPAA Compliance contracted with Trinity Technology Group, Inc. to develop an entirely new end-to-end solution with a state-of-the-art claims adjudication system combined with a fully HIPAA compliant, easy to maintain system for claim submittal and remittance advice generation. The new system can process claims as they are received seven days a week, 24 hours a day to replace the previous requirement to schedule time once a week for mainframe-based processing. The constant flow of automated processing enables ADP and DMH accounting to distribute their workload more evenly rather than deal with once a week processing spikes. A further advantage for the State agencies is the automated authorization of claim submittals to eliminate the delays required by manual intervention to authorize each claim file submittal. Counties submit over 13 million claims each year for services totaling over \$800 million in reimbursements.

Program Specifics:

SDMC capabilities have been implemented on a homogenous Microsoft platform including the Microsoft .NET Framework 2.0, C#, ASP.NET, MS SQL Server, and MS BizTalk

Trinity Technology Group worked intimately with DHCS to elect and implement the Short-Doyle/Medi-Cal (SDMC) solution to provide and enhance the following processes:

Updates system information instantly:

- The new system can process claims as they are received seven days a week, 24 hours a day to replace the previous requirement to schedule time once a week for mainframe-based processing.
- The constant flow of automated processing enables ADP and DMH accounting to distribute their workload more evenly rather than deal with once a week processing spikes.
- A further advantage for the State agencies is the automated authorization of claim submittals to eliminate the delays required by manual intervention to authorize each claim file submittal. Counties submit over 13 million claims each year for services totaling over \$800 million in annual reimbursements.

Determines eligibility across systems:

- Interfaces with the Medi-Cal beneficiary master file (MEDS) to determine beneficiary eligibility determination for a point in time.
- Integrates with Provider master file for types of services that the provider can perform at a point in time.
- Verifies the type of service can be provided to beneficiaries.

Automates a number of business processes:

- Inspects for duplicate claim with 40 million paid claims file.
- Determines other coverage amounts to pay.
- Determines maximum number of services for a day, week or 30-day period.
- Calculates net amount to pay for a claim file.
- Integrates accounting information on warrant (check) number, date paid, amount paid, with beneficiary and claim information and transformation to prepare the X.12 835 remittance advice.

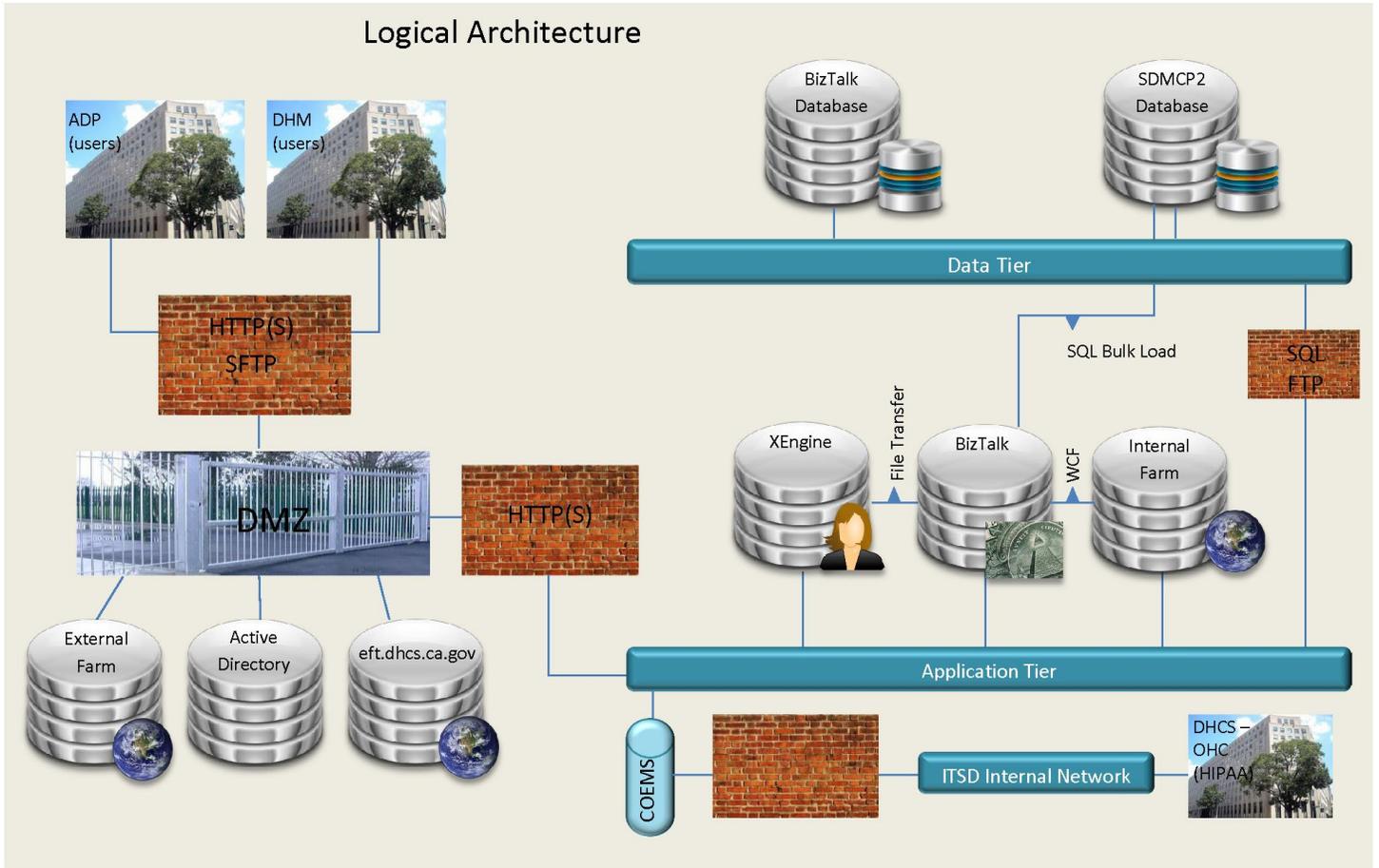
The solution uses all of BizTalk's capabilities to achieve greater cost benefit including:

- Business rules engine to handle all calculations and eligibility decisions.
- Three levels of orchestrations to manage the end to end value chain from receipt of a claim through eligibility, calculation of amount to pay, hand off to accounting, return of payment files, and preparation of the explanation of benefits and transformation to the EDI file returned to the provider administrator.
- BizTalk is also used for its more familiar capability to manage interactions with the Edifecs XEngine for transformation to and from EDI file formats; and to manage the interfaces with the MEDS files for Medi-Cal beneficiaries.

Enhanced data support:

- Supports the submission of accurate and superior quality claims information.
- Enhances the quality of data that is passed to the DMH/DSS and DHCS MIS/DSS reporting systems.
- Enables greater transparency in the audit trail of claim disposition.

Logical Architecture



Key

Physical System



Network



Firewall/Router



Department



Trinity Technology Group Provides Innovative Solutions

At TrinityTG, we are in the business of solving the problems that arise with shifts in business strategies and operations. **No matter what information technology challenges you face, we can use those challenges as opportunities to find solutions that fit your current and future needs.** We can help to develop business, technical, and enterprise architectures to improve business processes and transactions. **Our Strategic Planning approach focuses on re-use and adaptation vs. re-building from scratch.** We perform process analysis with an eye to best leverage your current system. We design process maps to enable effective communication between business and technical users throughout the project life cycle. **At every phase, we use new technologies and techniques to maximize your investment in business systems.** To establish cohesive and effective interaction through the project life cycle, we produce formal plans for all of the following critical processes for every project: Communication, Risk Management, Change Management, Configuration Management, Implementation Management, and Project Management.

TrinityTG's Success is Measured in the Satisfaction of our Clients

Our clients are among the largest of state agencies across the public sector and the most progressive and advanced in the private sector. Our clients' success drives our business; 95% of our business comes from referrals from current and past clients. **We distinguish ourselves by our approach, working in connection with our clients to ensure their satisfaction every step of the way.**

We Listen.

We Produce.

And We Deliver Extraordinary Results.

Give us an opportunity to show you what we can do for you.

Our clients include:



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