

Edifecs Test Management

DATASHEET

EDIFECES[®]
www.edifecs.com

Streamline the Creation and Management of Test Data for HIPAA 5010 and ICD-10

As healthcare industry mandates loom large on the horizon, one of the biggest hurdles organizations face is the rapidly escalating cost and effort required to adequately test information systems and demonstrate compliance.

One of the most expensive components of a comprehensive testing strategy is building and maintaining test data. In fact, according to Gartner, testing is—by far—the most expensive component of HIPAA systems implementation, accounting for up to 70% of the total cost and more than four times the cost of any other component¹.

Many of the tasks needed to develop and maintain test data have traditionally been manual, which drives a large part of the cost. In addition, many organizations use test data that don't sufficiently reflect the full complexity of their operations. As a result, test coverage is poor, which increases the risk of errors in subsequent production processing.

And now, a stream of new mandates such as HIPAA 5010 and ICD-10 are already driving increases in testing activity that could further stress or even break existing testing approaches.

Edifecs Test Management is a hosted offering with a pre-built test data repository. It reduces the costs and complexity of testing while improving test quality. It also allows healthcare organizations to more easily create, edit, and manage comprehensive test data and automate test result analysis. Edifecs Test Management also provides a reusable testing platform that can scale and is flexible enough to support compliance with HIPAA 5010 and ICD-10, as well as any future mandates.

Capabilities

Edifecs Test Management unifies the management of test data from a variety of sources to allow healthcare organizations to:

- **Maintain a comprehensive test data repository** to support unit, system and functional testing.
- **Create, edit and enhance test data** using business-oriented screens, rather than a file editor that requires technical expertise.
- **Leverage test data** from existing test repositories or from the pre-populated Edifecs Test Repository to achieve broad high-quality test coverage.
- **Load production data** to create test data that can be de-identified and refreshed over time to reflect current operations, regardless of complexity and how business processes and agreements evolve.
- **Use error codes and edits** from guidelines to automatically create positive and negative test data that reflect each error condition and business edit.
- **Search and re-use test data from an indexed repository** by automatically categorizing test data based on data characteristics and pre-defined rules.
- **Automatically convert test data to industry standard and proprietary formats**, such as from HIPAA 4010A1 to 5010, which saves time and reduces the potential for errors.

Why Edifecs Test Management?

- Enable business users to actively participate in testing with intuitive screens to create and edit test data.
- Improve test coverage and quality by creating test data from a pre-populated Edifecs Test Repository and your production data and EDI guidelines.
- Accelerate compliance with test data to support 5010, ICD-10 and future mandates.



Benefits

Edifecs Test Management not only reduces the cost and complexity of testing; it also improves test coverage by building test data from both the health plan's production data and the Edifecs Test Repository.

Benefits	Supporting Features
<p>Reduce the costs and complexity of testing.</p>	<ul style="list-style-type: none"> • Streamline creation of test data using existing test data sources, edits and error codes defined in EDI guidelines, de-identified production data and a pre-built test data repository provided by Edifecs. • Simplify customization and maintenance of test data by using a search engine to quickly find existing test data, and then editing via screens that allow non-technical business users to create and modify test data. • Reduce operational overhead and infrastructure costs by leveraging a comprehensive hosted offering that is fully maintained and upgraded by Edifecs.
<p>Minimize errors in production through broad test coverage.</p>	<ul style="list-style-type: none"> • Ensure testing reflects actual business practices by creating test data from de-identified production data, existing test repositories and from business edits and error codes in guidelines. • Incorporate industry best practice test data, using the Edifecs pre-populated test data repository. • Make sure testing incorporates current member, provider and benefit data by refreshing test data derived from production data.
<p>Support dramatic increase in future testing initiatives with a reusable testing platform.</p>	<ul style="list-style-type: none"> • Easily test new compliance requirements arising from 5010, ICD-10 or any future mandates by converting existing test data to new formats. • Eliminate the manual tasks associated with creating test data by making it easy for groups and team members to search for and reuse test data.

Table 1: Benefits and Features of Edifecs Test Management

Modules

Edifecs Test Management leverages a wide range of internal and external sources for the data needed to create high-quality test data that accurately reflect an organization's production environment. Users store test data in a repository that can be easily searched by others across the organization and re-used to create new test data. Figure 1 depicts the key components of Edifecs Test Management that combine to deliver this functionality.

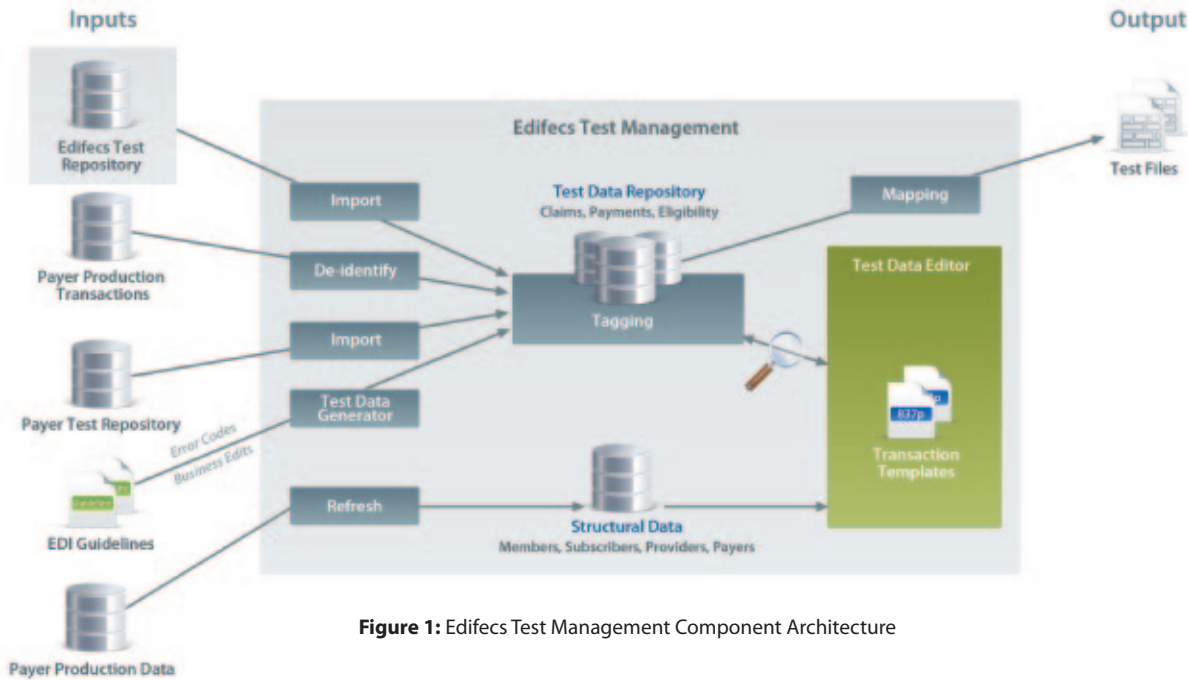


Figure 1: Edifecs Test Management Component Architecture

- **Test Data Repository.** Store test data in a central repository that can be shared with users across the organization. The repository can be easily searched to find transactions for reuse.
- **Test Data Editor.** Use intuitive edit screens that represent common transactions, such as a claim, to create test data.
- **Tagging.** Automatically categorize test data based on pre-defined patterns in the data. For example, tags can be applied to identify different types of claims, such as an ambulance claim.
- **Edifecs Test Repository.** Access a pre-populated repository provided by Edifecs that contains best-practice test data focused on common transactions and new mandates, such as HIPAA 5010.
- **Payer Production Transactions.** Add transaction data for claims and payments from client production data to ensure test data accurately reflects current, client-specific transaction content.
- **Payer Test Repository.** Import existing test data into the Test Data Repository.
- **EDI Guidelines.** Automatically generate positive and negative test data from error codes and business edits in EDI guidelines (created using Edifecs SpecBuilder).
- **Structural Data.** Use member, subscriber, provider and payer information in the Test Data Editor to create test data. Keep structural data up-to-date by refreshing from client production data stores.
- **Test Files.** Save test data as test files for use in system, acceptance and functional testing. Data can be saved in multiple formats including HIPAA 5010 or customer-defined formats (such as a claim format used by an adjudication application) using Edifecs mapping system.

¹CMS 5010 Regulatory Impact Analysis Supplement, *Gartner Inc*, September 2008.

The Edifecs Unified Channel Solutions™

Edifecs Unified Channel™ solutions streamline the processing and exchange of administrative, financial and clinical transactions at the edge-of-the-enterprise, thereby helping healthcare organizations drive down administrative costs and achieve regulatory compliance with HIPAA 5010 and ICD-10. Edifecs Unified Channel™ solutions allows consistent processing, management, viewing and analysis of transactions across the healthcare enterprise, while complementing horizontal middleware solutions and integrating with core processing systems.

The Edifecs Unified Channel consists of 3 components – Edifecs Solutions, Edifecs Products and Edifecs Services.

Edifecs Solutions

Regulatory Solutions help healthcare organizations achieve and maintain compliance with regulations and standards for healthcare information exchange such as HIPAA 5010 and ICD-10.

Healthcare Solutions help healthcare organizations address some of the most urgent technical and business problems in healthcare with solutions that improve testing, compliance, visibility and operational business processes.

Edifecs Products

Core Products are an integrated suite of products that provide comprehensive capabilities for every step in the transaction processing lifecycle. Core products support design, sharing, testing, processing and visibility into healthcare transactions.



Business Applications are pre-packaged healthcare-specific applications that leverage the power of Edifecs Core Products and provide out-of-the-box business processes, business rules, self-service functions, visibility and reporting tools for business operations such as enrollment, claim and payment processing.

Edifecs Services

Edifecs Consulting Services analyze business and technical operations, guide on overall enterprise architecture, conduct training, deliver customized solutions to meet customer needs and provide technical support to maximize the value of using Edifecs products.

Edifecs Compliance Online is a hosted testing and certification service for HIPAA 4010A1 and HIPAA 5010, and CORE Phase I / II testing and certification.

About Edifecs

An industry leader since 1996, Edifecs provides healthcare software and solutions that automate exchange of information between health plans, hospitals, pharmacy benefit managers and other healthcare organizations. Edifecs' healthcare offerings enable compliance with current mandates, improve governance through enhanced end-to-end visibility and enhance operational efficiency by reducing costs.

Edifecs has over 350 healthcare customers (that include Blue Plans, Medicaid, State and Federal agencies, Healthcare Providers) and partners such as IBM, Oracle, TIBCO, Informatica and Axway.

Edifecs has been recognized as one of the 100 Fastest Growing Private Companies in Washington state, 100 best places to work for in Washington state, and Inc5000 fastest growing private companies in the US. Edifecs' CEO is a recognized business leader (40-Under-40). Edifecs is headquartered in Bellevue, WA. Company website: www.edifecs.com.