

PRODUCT BRIEF

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## Corepoint Integration Engine

### Features – Overview

Corepoint Integration Engine is the #1 ranked [interface engine](#) by KLAS® for 2010 and 2009. Corepoint Integration Engine is built specifically and solely for the healthcare market, and it achieves a needed balance of being both intuitive and sophisticated while delivering solid functionality and performance to meet the high demands of today's healthcare environment.

Using Corepoint Integration Engine, you can configure interfaces simply, build data logic quickly, and ensure high quality with built-in testing capabilities. Corepoint Integration Engine works productively with various healthcare standards and various data formats.

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### Getting Started

Corepoint Integration Engine enables you to easily configure your interfaces to begin building data logic immediately.

Using preloaded HL7 2.X message, segment, field, and data definitions, you will need minimal ramp up time in developing [HL7 interfaces](#).

With Corepoint Integration Engine's flexibility, you can even adapt versions of HL7 to meet a specific healthcare application vendor or provider's specification—i.e., defining and implementing Z segments – with the click of a button.

Corepoint Integration Engine works effectively with other data formats and standards, including X12, DICOM, HL7 version 3, HL7 Clinical Document Architecture (CDA), [HL7 Continuity of Care Document](#) (CCD), and [Continuity of Care Record](#) (CCR). Corepoint Health solutions are flexible and intuitive, enabling you to meet your growing integration demands.

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### Developing Interfaces

**Modify HL7 Standard to Vendor Format.** Customizing the HL7 standard to meet a vendor's format is simple. To begin:

- Select the pre-loaded HL7 version which meets the requirements
- Load and test sample vendor messages against the selected HL7 version
- Click on the "Fix All" icon, and the HL7 standard is modified to meet the vendor's approach

Throughout Corepoint Integration Engine, actions are designed to shorten the cycle time to deliver robust interfaces confidently.

**Work with Different Healthcare Standards and Data Formats.** In addition to HL7, Corepoint Integration Engine applies the same approach to exchanging data that utilizes other standards. Additional standards and data formats handled include:

- XML
- X12
- DICOM
- CSV
- Vendor-defined data formats

**Code Set Translations.** In today's healthcare environment, there are varying code sets that are sent and received from diverse providers within a healthcare community (trading partners). Corepoint Integration Engine's code set translation feature is flexible enough for users to build or import code sets and map them to one another in correlations – all through a menu-driven approach. The added functionality of the code set conversion feature eliminates the error prone hassle of manual look-up and eases code set maintenance.

**Build Data & Workflow Logic.** Corepoint Integration Engine enables you to easily create data transformation logic in a simple, but efficient manner. Changing formats – for example, Social Security Numbers, date of birth, or name order – has never been easier.

You may even filter out any unwanted messages from the interface processing stream, convert messages between different versions of healthcare standards, and map the message to different formats.

Create powerful business processing rules for message distribution. Effortlessly manage the flow of data to various systems or locations. Define where you want to route a single message or multiple messages.

Ultimately, Corepoint Integration Engine significantly shortens your interface development cycle time.

**Create Connections.** Developing connections is straightforward with Corepoint Integration Engine. Just point-and-click through a configuration wizard to define the type of connection you desire, from bi-directional, to receiver, or sender. Types of connections include TCP/IP, file, FTP, HTTP, etc.

**Interact with Database.** Connect to any ODBC-compliant database in seconds with Corepoint Integration Engine's database connection wizard. Easily write to and read from selected tables or invoke stored procedures with a few clicks – no knowledge of SQL or scripting language required. Extensive logging features allow for tracking the results of interactions between Corepoint Integration Engine and a database.

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## Testing Interfaces

Delivering quality interfaces requires vigorous testing. Corepoint Integration Engine offers you a robust testing platform to produce the highest quality healthcare data exchanges. Through the test manager, users have flexibility to load test files as a single, unparsed message, or load in a file, as an individual message. After the tests are run, viewing results is easy and complete.

**Test-as-Configure.** At each step in the interface configuration, unit tests can be easily run to ensure the transformations and logic are being implemented as intended. Final tests also can be easily run after the interface is completely configured. With Corepoint Integration Engine's intuitive testing features, high quality interfaces and data exchanges are confidently implemented.

**Conformance Checking.** Reduce or eliminate message errors with Corepoint Integration Engine's powerful conformance checking feature. Get immediate validation of your HL7 messages against the selected HL7 standard.

**Documentation.** Corepoint Integration Engine even gives you automatic documentation of the business and data processing rules defined, completing the development cycle with accurate documentation.

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## Deploy Interfaces

Deploy interfaces with Corepoint Integration Engine's reputable point-and-click approach. Now implement interfaces in industry-leading cycle times, enabling robust clinical data exchanges productively.

Corepoint Integration Engine moves developed and tested HL7 messages smoothly into production. With a few clicks, the tested configuration is moved into production or stored for safekeeping. Easily export interface logic and configuration to an established production environment with a single operation. You may even create a complete backup of interface configuration with a single operation.

Corepoint Integration Engine's deployment approach creates leverage by:

- Delivering confidence in implementing patient data exchanges with efficiency, timeliness, and accuracy.
- Enabling re-usability by utilizing interfaces already defined, modifying areas of differences quickly, and deploying similar interfaces in new provider exchanges with minimal effort.

*"The intuitive nature in which to build and test interfaces was one of our motivating factors in initially selecting Corepoint Integration Engine... Corepoint Health has simplified the workflow of deploying healthcare interfaces..."*

*University Physicians Healthcare  
Vince Pike, Applications Analyst*

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## Manage Interfaces

Corepoint Integration Engine enables proactive and intelligent service on all deployed interfaces. You receive customized views by user roles and profiles.

Get more control, more security and flexibility with the web-based administration console for Corepoint Integration Engine. With unique features like user profiles, user roles, detailed graphical views, quick and alert views, and flexible log management, managing your interface connections has never been more complete and simple.

**User Profiles.** Corepoint Integration Engine's user profile feature allows assigned users specific permissions once they are granted access within Corepoint Integration Engine. Corepoint Integration Engine's flexibility allows you to assign a user profile to more than one user.

Corepoint Integration Engine's user profiles safeguard your data. Creating a user profile gives users varying levels of permission to view and access vital information such as Corepoint Integration Engine's workflow, engine configuration, and connections.

For example, the Radiology Department in a hospital may only want to view the status of the interface connections, but leave access to the configuration and data logic to the IT department. In the IT department, a specific IT systems analyst may be granted full access to the monitoring capability in addition to the configuration management for the same set of interface connections. With Corepoint Integration Engine's user profiles, both can be achieved easily.

Assigned user profiles can include:

- Lab users: Access to lab connections only
- Radiology users: Access to radiology connections only
- Interface analyst: View interface engine logs and start and stop service
- Interface staff: View and modify interface engine configuration

With Corepoint Integration Engine's user roles, flexibility is delivered, enabling you to manage IT operations with the best possible service model.

**User Roles.** Our user roles feature gives more individuals customized access to Corepoint Integration Engine based on your business rules and operating guidelines. You can filter the type of access users may have upon logging in to Corepoint Integration Engine.

What makes user roles unique? With specific user roles in place, only designated users can view and troubleshoot certain portions of your interface environment without the ability to access and modify your interface engine configuration.

User roles make it easy to assign designated users to attend to alerts specific to their workflow responsibilities, sharing the maintenance with the interface team.

Who gets access? Grant access at your discretion. You can restrict access to a few IT staff members; grant access to specific departments for specific interfaces (e.g.,

laboratory, radiology, etc.), or enable different members of the interface team to work with certain interfaces based on their work role.

Access can be granted to interface engine information for all connected systems, or restrict users of ancillary systems from viewing or modifying other users' data.

**Graphical Monitoring.** Get real-time updates with Corepoint Integration Engine graphical views. Monitor connections like queue depths, idle time, active alerts and message status on one screen. See detailed graphical views displaying the status of all your interfaces or drill into additional graphical statistics including age of messages, rate of message delivery, etc.

Get high level monitoring in a quick, overall view of your integration environment. See all of your connections at a high-level with a color display that provides status on your connections in real time.

**Search, Filter, and Manage Logs.** Conveniently view and manage message logs within the web-based console with the ability to filter messages based on message content and/or time of day. Management of messages logs is simple, robust, and useful, including the ability to re-send messages when needed.

**Alerting.** Corepoint Integration Engine offers multiple alert features to monitor service level elements defined by your healthcare staff.

- Critical Alert: Define by day, time, event and severity
- Unique Alert: Define on a per interface basis
- Global Alert: Applicable to all interfaces

Configure alerts to match your process flows and service standards. Maintaining your interface environment is critical to ensuring the patient information is delivered and received as expected.

With the alerting features within Corepoint Integration Engine, you establish the business and escalation rules to enable your proactive approach to managing the IT infrastructure to match the patient flow requirements.

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## Ensure High Availability

Corepoint Integration Engine offers high availability natively. This ensures continuous processing of your critical patient data exchanges without the need to set up complex, maintenance-intensive clustering environments.

**Assured Availability.** Never worry about losing data with Assured Availability (A2) for Corepoint Integration Engine. A2 for Corepoint Integration Engine simplifies high availability and enables an easy-to-implement solution that delivers confidence constantly. Simply stated, our solution is focused intensely and solely on delivering high availability for Corepoint Integration Engine – natively.

Operate your interface with confidence no matter where you are within the data processing cycle, with no additional IT resources or special skills needed.

*"Corepoint Health's approach to delivering high availability is very innovative, cost effective and intelligent. With A2 for Corepoint Integration Engine, we do not have to hire additional IT staff or spend large sums of budget dollars to implement a high availability solution. Corepoint Health continues to deliver comprehensive, intuitive, affordable solutions for the healthcare market."*

Arnot Ogden Medical Center  
Gregg Martin, CIO

## About Corepoint Health

Corepoint Health has the healthcare IT experience and strength to deliver a dramatically simplified approach to internal and external data integration and health information exchange for hospitals, radiology centers, laboratories, and clinics. Our next generation software solutions are transformational and will streamline your IT environment, provide a fast track to achieving your interoperability goals, and create operational leverage within your organization. Corepoint Health's solutions achieve a needed balance of being both intuitive and sophisticated while delivering solid functionality and performance. Our approach significantly reduces the demands on your IT staff and budget.

At Corepoint Health, we back our proven solutions with proactive, responsive customer support, service, and training. You will experience a truly collaborative approach in our services and support. The Corepoint Health difference will enhance the way you approach [integrated healthcare](#), streamlined workflows, and optimized operations.

For additional information:

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