

PRODUCT BRIEF

# Corepoint Integration Engine

## Value – Overview

Corepoint Integration Engine is the #1 ranked [interface engine](#) by KLAS® for 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 [integrated healthcare](#) environment.

### Develop and Test Interfaces

There are many examples of Corepoint Integration Engine customers who have reduced significantly the time it takes to configure and test an interface. Outlined below are unique Corepoint Integration Engine features that facilitate healthcare interface development and testing – quickly and successfully.

**Develop & Test Value within Corepoint Integration Engine**

Feature	Key Elements	Value
Preloaded HL7 Versions	Leverage and use installed <a href="#">HL7 2.x</a> message, segment, field, and data definitions	Ramp quickly in developing <a href="#">HL7 messages</a> from selected version
Message Variations	Customize an HL7 version to meet a unique feature of a healthcare application or provider (i.e., easily define and implement Z Segments)	Adapt HL7 versions rapidly to provider or application vendor specifications
Varying Data Standards and Formats	Leverage other healthcare standards and data formats through one integration platform. Work with X12, DICOM, CSV, XML, CCD, CDA, CCR, etc. in the same manner as HL7	Meet increasing demands to handle varying healthcare standards and formats – all through one platform
Configuration Wizards	Create connections in an easy, guided manner  Define type of connection - bi-directional, receiver, or sender	Connect to providers and applications with a few clicks - reduce the cycle time to establish system connections

Feature	Key Elements	Value
<p>Routing, Filtering, Mapping</p>	<p>Create the business processing rules for the interface including modifying data, logical constructs (if/else, foreach loops), and message distribution</p> <p>Quickly define where to route message</p> <p>Enable one to many message routing (e.g., send one message to multiple applications and/or providers)</p> <p>Remove unwanted messages from the interface processing stream - only transmit the messages that the receiving party wants</p> <p>Convert messages between different versions of <a href="#">HL7</a></p> <p>Simply map message to different formats (e.g., one transaction may be transmitted in different message formats to multiple applications and/or providers in the format that they require)</p> <p>Modify field contents as required by the receiving system (e.g., Social Security Number with or without dashes)</p>	<p>Build interfacing logic productively</p> <p>Address unique requirements through easy menu-driven operations</p> <p>Leverage message definitions to multiple systems effectively</p> <p>Significantly shorten the interface development cycle time</p>

Feature	Key Elements	Value
Database Interaction	<p>Connect to any ODBC-compliant database</p> <p>Support select, delete, update, and insert operations with database tables</p> <p>Support stored procedures</p> <p>Accept HL7 transactions and insert into target or application tables</p>	Leverage technology environment effectively
Conformance Checking	<p>Validate HL7 message against a selected version (standard or user-modified)</p> <p>Ensure message complies with expected format</p>	<p>Deliver high quality interfaces from the start</p> <p>Eliminate or reduce message error correction after deployment</p>
Correcting Errors	<p>Point-and-click workflow to modify preinstalled versions of HL7 to match application or provider specifications</p> <p>Support iterative process until all message errors are resolved</p> <p>Support component level testing (i.e., testing occurs independent from an operating interface)</p>	<p>Decrease cycle time to correct identified errors</p> <p>Increase productivity of interface development team</p>

Feature	Key Elements	Value
<p>Logic Testing - Business Processing Rules</p>	<p>Test interfacing processing rules</p> <p>Test message transformation</p> <p>Visually inspect the messages created to ensure compliance with specifications of receiving system</p> <p>List messages routed to the receiving systems</p> <p>Analyze messages easily to ensure specifications are met</p> <p>Support component level testing (i.e., testing occurs independent from an operating interface)</p>	<p>Enables robust testing processes to ensure high quality of healthcare interfaces upon delivery</p>
<p>Database Interaction Testing</p>	<p>Employ tests against the database to ensure that transactions are inserted, deleted, etc. in the manner intended</p>	<p>Enables robust testing processes to ensure high quality of healthcare interfaces upon delivery</p>
<p>Documentation</p>	<p>Automatically generate documentation of business processing rules defined</p>	<p>Completes the development cycle with supported, accurate documentation</p>

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## Deploy Interfaces

Corepoint Integration Engine moves tested, deployment-ready interfaces smoothly into production. With a few clicks, the tested configuration is deployed, processing messages between applications, or stored for safekeeping.

### Deployment Value within Corepoint Integration Engine

Feature	Key Elements	Value
Porting - Test to Production	Easily export interface configuration to established production environment with a single operation  Create a complete backup of interface configuration with a single operation	Rapidly deploys defined and tested interfaces with simple point-and-click
Importing Interface Configuration	Utilize existing interfaces by importing existing interfaces and making minor modifications to deploy similar interfaces in new environment	Leverage similar interfaces between locations, shortening the implementation cycle with a solid starting point

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## Manage Interfaces

The day-to-day operations of healthcare interfacing must be seamless. The web-based administration console for Corepoint Integration Engine enables healthcare entities with the capabilities to exceed service levels and deliver a high-performing interface environment. With Corepoint Integration Engine's monitoring, alerting, and management capabilities, physicians, radiologists, lab directors, etc. will be supported productively with high-performing, timely patient data flow.

### Management & Monitoring Value with Corepoint Integration Engine

Feature	Key Elements	Value
Web-Based Console	Monitor status of interface connections – Green, Yellow, Red – for easy viewing	Delivers quick views of interface connections and their status

Feature	Key Elements	Value
	<p>View alerts on per connection basis</p> <p>View key statistics quickly to determine potential issues or bottlenecks. For example:</p> <ul style="list-style-type: none"> <li>• Queue depth – backlog of messages ready to be communicated</li> <li>• Transaction – number of messages being sent and received</li> <li>• Idle time – amount of time since the last message sent or received</li> <li>• Plus many more – proactively manage your interface environment to deliver the right service levels continuously</li> </ul> <p>Start and stop interfaces, individually or by groups</p> <p>Start and stop entire interface engine</p>	<p>Enables proactive monitoring and action to correct any interfacing issues that arise</p> <p>Increases performance of service levels delivered to physicians, radiologists, lab directors, etc.</p>
Logging	<p>Utilize existing interfaces by importing existing interfaces and making minor modifications to deploy similar interfaces in new environment</p>	<p>Provide easy access to historical transaction and message information for analysis and action</p> <p>Resolves message issues quickly with point-and-click message re-send</p>
Alert Configuration	<p>Define critical alert criteria by day, time, event, and severity</p> <p>Define unique alert configurations on a per interface basis</p> <p>Define a global alert configuration applicable to all interfaces</p>	<p>Monitors service level elements defined by the healthcare entity and/or type of interface deployed</p> <p>Builds intelligence into alerts to meet service level demands</p>

## Ensure High Availability

Assured Availability (A2) for Corepoint Integration Engine delivers a powerful, efficient high availability solution for healthcare providers and vendors. A2 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.

A2 powerfully supports the full cycle of high availability activities without requiring additional IT resources or special skills. Corepoint Health delivers confidence to physicians and healthcare professionals that the patient data will be communicated and exchanged as expected.

### High Availability Value within Corepoint Integration Engine

High Availability Activities	Key Elements	Value
Monitor / Synchronize	<p>Monitor primary and backup servers proactively to assure availability</p> <p>Automatically replicate message data and business rules - in real-time</p> <p>Send communication system health notifications based on defined parameters, such as:</p> <p>Backup server unable to ping primary server</p> <p>Backup server not replicating</p> <p>Disk space running low on primary and backup servers</p>	<p>Immediate notification of any change in service</p> <p>Unassisted, direct action to continue communication service seamlessly</p> <p>Real-time, continuous replication of message data and workflow processing rules</p> <p>Proactive notifications of service changes in high availability environment</p> <p>Result: High confidence in healthcare communication services are provided continuously, timely, and accurately</p>

High Availability Activities	Key Elements	Value
Engage / Communicate	<p>Automatically activate backup server when failure of primary server is detected</p> <p>Communicate message transactions seamlessly on backup server - communication service resumes within seconds</p>	<p>Automatic failover activation to 'hot backup' if primary server is unavailable - high availability delivered</p> <p>Patient data delivered as expected - timely and complete</p> <p>First message in is the first message delivered - always</p> <p>Result: Productively set high service level standards for healthcare data exchanges</p>
Synchronize / Transfer	<p>Synchronize message data with primary server when ready to failback</p> <p>Begin communication processing immediately on primary server, after synchronization</p>	<p>No loss of patient data or log files</p> <p>No loss of communication service</p> <p>'One-click' failback execution</p> <p>Result: Effortless support of high availability environment</p>
Communicate / Engage	<p>Return seamlessly to normal communication service on primary server</p> <p>Monitor primary server constantly with continuous data replication to backup server</p>	<p>Complete cycle of high availability delivered natively within Corepoint Integration Engine</p> <p>Result: Lower IT support costs and total cost of ownership for a robust high availability solution</p>

## 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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