Scale Smarter with Corepoint Integration Engine

Corepoint Health’s customers have experienced many benefits of using Corepoint Integration Engine, including:
- Reduced time in developing healthcare interfaces through menu-driven, graphical builds
- Improved quality of interfaces by checking conformance and testing interfaces as they are developed
- Increased productivity in building and maintaining interfaces with powerful, simple-to-use tools
- Enhanced management of interface workflows through intelligent logging, monitoring, and alerting features within the interactive Monitor

Corepoint Integration Engine is an effective solution for healthcare organizations that are updating first-generation interface technology or adding a supplemental or departmental interfacing solution.

Communication: send and receive
- Send or generate outbound messages
- Manage dynamic behavior profiles to deal with inbound acknowledgements
- Manage inbound messages and generate HL7 acknowledgements
- Handle HL7 resends
- Manage communication with multiple applications
- Support unrestricted data flow
- Resolve Minimum Layer Protocol (MLP) implementation and communication problems
- Use pre-configured sender and receiver logic
- Read, write, query, insert, and/or delete data in any ODBC Database
- Support for Web Services and FHIR
- Easily send large batch files with streaming technology

Meaningful Use compliant
- Corepoint Integration Engine was the first Meaningful Use Stage 1-certified interface engine for Modular Ambulatory EHR and Modular Inpatient EHR
- Corepoint Integration Engine has continued certification throughout all three stages of Meaningful Use
- Corepoint Integration Engine certifies to the same privacy and security criteria as EHR vendors
- Satisfy your Public Health Reporting requirements for Immunizations, Electronic Lab Reporting, and Syndromic Surveillance

“The bottom line is Corepoint Integration Engine allows me to focus more on what I need to accomplish instead of how I’m going to get there.”
CIO | AUBURN COMMUNITY HOSPITAL
Message: map and route
- Use preloaded definitions of messages, segments, fields and data types for all HL7 2.x versions
- Support for XML messages created using HL7 version 3, custom XSDs, and standards including HL7 Clinical Document Architecture (CDA), Consolidated CDA, and Continuity of Care (CCD)
- Support for X12, DICOM and NCPDP
- Include ASCII or UNICODE character sets
- Process repeating fields, repeating segments, groups of segments, etc.
- Handle one input message to produce 0-to-n output messages through dynamic, content-based routing
- Transform XML documents into HL7 messages
- Run HL7 conformance checks using sample messages, testing the HL7 derivative configuration; reinforce the HL7 objective of keeping compatible versions and ensuring data integrity
- Pass messages through as unparsed objects
- Build, process, or route batch files

Interface: configure and test
- Review the history of any configuration object, and edit configuration objects without impacting the running engine service
- Leverage the entire HL7 standard as the starting point for each interface
- Allow user-defined variations in messages (e.g., making segments or fields optional, required or rearranging)
- Configure and leverage vendor-specific HL7
- Configure messages easily to reduce integration work
- Create Z segments and custom messages
- Validation check on user-defined HL7 messages
- Summary view and HL7 message filtering available
- Process HL7 documents, such as CDA, C-CDA, CCD, and more
- Create resources to exchange data via Web Services and FHIR

Health data workflow using Corepoint Integration Engine
**Message and document definition**
- Configure message mapping easily to reduce integration work
- Define filter criteria such as ‘Only send A04 and A08’ and ‘Remove all outpatients from data stream’ through GUI-based tool
- Adjust coded values such as replacing ‘M’ to ‘1’ for Male
- Point-and-click GUI to move data from point A to B in a message
- Print and save HL7 message definitions and configuration files for clear documentation
- Completely reformat interface message or document without writing any code or interpreted scripts
- Test mapping operations in GUI testing screen prior to implementation
- Export interface configuration

**Alert: view and resolve**
- Automatically monitor connection states and related conditions, and raise alerts when problems occur
- Display alerts in an administration console
- Send alerts via email to mobile devices, cell phones, etc.
- Support for quick resolution of alerts

**Archive: review and resubmit**
- Search messages using an intuitive search utility
- Search for messages by message content, history, and metadata attached to the message
- Edit and re-send messages easily, especially useful in testing
- View the message lineage across connections with a single click

**Connection: monitor and control**
- One-click access to search logs, review alerts, and review the details of each interface in the Monitor
- View and manage connection status in HTML5
- Tailor display and easy control of the connections’ view in the Monitor
- Filter HL7 messages by content (e.g., find all ADT for patient #127451)
- Examine:
  - Connection state (Is the connection working?)
  - Idle time (Is there any issue with the message flow on a connection?)
  - Message queue depth (Is there a delay in message processing?)
  - Centralize interface connection management

“We wanted a platform we could trust at the center of our health data environment.”
CIO | MIAMI CHILDREN’S HOSPITAL
Web-based administration console

- Determine access to interface environment with user roles
  - Corepoint Integration Engine logon credentials stored in Corepoint Integration Engine
  - Windows user: authentication is carried out using Windows username and domain name credentials
  - Windows group: authentication is carried out using Windows local groups
  - User profiles: provide added security in determine permissions
  - Engine: start and stop service, view engine log, manage licenses
  - Configuration: view and export configuration objects, modify and import configuration objects, manage users, configure and monitor Corepoint Integration Engine
  - Connections: view connection status, start and stop connections, view alerts, resolve alerts, view connection log, view message log, resend messages

- Graphical views:
  - Quick view: Get high level monitoring and see all of your connections via Connection Central. The drill-down color display provides status of your connections in real-time
  - Alert view: See alerts as they happen for quick action and resolution
  - View and manage logs conveniently within the management console. Filter messages based on message content and or time of day

Ensure high availability

- Assured Availability (A2) for Corepoint Integration Engine simplifies high availability and enables an easy-to-implement solution that constantly delivers run-time confidence
- Delivered natively
- Ensures continuous processing of critical patient data exchanges without the need to setup complex, maintenance-intensive clustering environments
- Disaster Recovery for Corepoint Integration Engine enables remote backup capabilities in the event of a disaster