

Health Care
Doctor
Hospital
Pharmacist
Nurse
Dentist
First Aid
Surgeon
Emergency



MEDICAL



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HealthConnect



Simplifying the Integration and Exchange of Healthcare Data

HealthConnect is a robust, secure and scalable interface integration engine that provides a trusted Health Information Exchange and Healthcare System Interoperability platform. HealthConnect is designed to collect, analyze, and share, healthcare data in a rapidly deployable, secure, and trusted platform for all interconnected systems and parties.

What You Can Accomplish with HealthConnect

Purpose Built For the Healthcare Ecosystem

HealthConnect is built exclusively for healthcare, supporting all healthcare message formats and standards. It is designed to support hospital systems, Health Information Exchanges (HIE), federal government organizations and public health departments.

Consistency and Security

HealthConnect is a cross-platform integration engine supporting a broad range of operating systems (Windows, Linux, AIX, HPUX and Solaris). It can be configured for high availability and is stress tested to ensure consistent and reliable performance. It is designed for HIPAA compliancy ensuring the protection of healthcare data.

Connected Solutions for Integrated Care

HealthConnect's flexible and extensible engine supports a large number of protocols such as SOAP, REST, (S)FTP, Database and TCP to connect with any system or device. HealthConnect enables you to communicate with healthcare providers, community service agents, care managers, patients and their families.

FHIR Expertise

HealthConnect enables quickly build FHIR-based interfaces. This integration engine delivers substantial enhancements to the REST and FHIR-specific JSON support. FHIR is the industry standard for user interface integration that facilitates simplicity, extensibility, and interoperability between legacy healthcare systems.

Environments at a Glance

With colorful indicators you can view all your HealthConnect environments on a single dashboard, making it easy for you to understand the status of each at a glance. HealthConnect Mobile enables you the flexibility to monitor and maintain the integration engine's performance when convenient to your schedule.



Speed, Performance & Engineering

With HealthConnect, you can quickly configure new interfaces and user workflow. HealthConnect delivers speed and scalability to process thousands of messages per second on a standard server.

Collect Data from Multiple Sources

While exchange of healthcare data is one of the primary features of HealthConnect, this engine can also acquire large amounts of data from various sources such as directories and databases. It can also interact with other big data platforms to derive meaningful insights to improve healthcare outcomes.

Seamlessly Maintain Engine Health

You can proactively maintain and monitor HealthConnect using the smart alerts and notifications that warn you of potential issues in advance. By fixing these issues in the early stages, you can ensure that the engine remains healthy. You can even remotely track the health of your engine using any third-party applications or the REST API.

Key Features

High-Performance and Throughput Messaging Engine

Built on a security by design model, HealthConnect guarantees message delivery with a high throughput. Message archiving, filtering, routing, mapping, translations and queuing are all configurable within the engine.

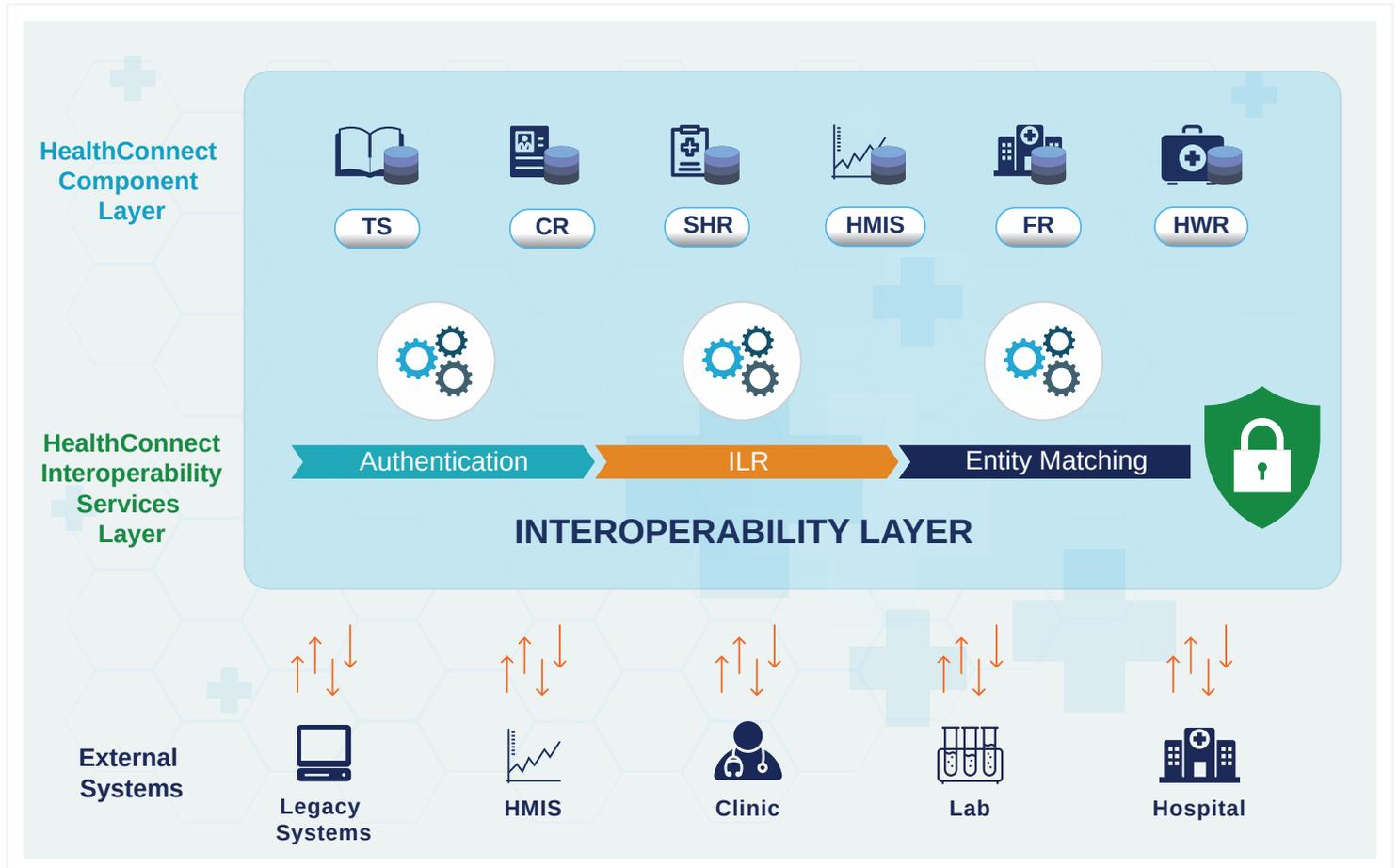
The Engine adheres to standards that are required for health data integration by using:

- Healthcare protocols - HL7, EDIFACT, NCPDP, X12
- Emerging standards such as FHIR
- Custom formats such as CSV, Fixed Width and XML

Easy Monitoring and Management

HealthConnect's Management Console is designed to decrease the time spent on daily monitoring and troubleshooting. It provides up-to-date status of the system and the state of messages that are processed by the Engine. It highlights issues like non-operational system connections and interfaces that are not meeting the required throughput. You can also access administrative tasks, processing logs, and copies of all recent messages processed by the engine. The Management Console allows you to configure the time period to store all recent messages along with the ability to edit, resend, or reprocess them. You can view messages at any stage in the processing cycle along with their complete path that is displayed graphically on the Management Console.

HealthConnect Integration Engine



Proactive Notifications to Always Stay Informed

HealthConnect's Management Console alerts you on issues as and when they arise - to enable you to resolve them before they become critical. It also helps you maintain a healthy Engine with minimal downtime and high availability. You can configure alerts and thresholds at a component level based on your requirements. You can group components to closely monitor them. With HealthConnect, you can configure the delivery time and method of notifications. It also provides you REST APIs for remote monitoring. These APIs allow you to monitor and perform management actions in the dashboard through external applications.

Maintain Optimal Health in Real-Time

HealthConnect Mobile provides a subset of the monitoring capabilities that are available in the Management Console. It also provides a real-time view on the health of an engine and its connected network. It allows administrators who are constantly on the move to stay on top of any critical issues. They can also monitor multiple engines that are deployed across development, test and, production environments on the go. The HealthConnect Dashboard provides health status and alerts in real-time and provides a link to the Management Console to find more information.



Transform and Connect your Data

HealthConnect's Communication Points can connect with many external systems by providing you support for a wide range of protocols. It provides the following communication points:

 Database	 SOAP Based Web Services
 Database Insertion	 JavaScript REST Client
 Directory	 JavaScript TCP Server / Client
 Dynamic Router	 HealthConnect Connector
 Email Client	 FTP/SFTP Client
 Error Message Red	 Sink
 Execute Command	 Socket Based Server / Client
 HTTP Server	 Timer
 JMS (Java Message Service)	 Watch List Notifier
 MSMQ	 XSS Notifier
(Microsoft Message Queuing)	 Web Service Hosting and Management

HealthConnect Filters

A route in HealthConnect defines an interface and the flow of messages from input to output. Routes contain filters which format and process these messages. HealthConnect provides support for the following filters:

 Cryptography	 HL7 Detect Character Encoding
 Text Encoding / Decoding (Base64, URL, HTML)	 HL7 External Code Validation and Translation
 Character Encoding Translator	 HL7 External Code Validation
 Database Lookup and Validation	 HL7 Fill Empty Fields
 Database Message Extraction	 HL7 Message Modifier
 Detection of Duplicate Messages	 Hold Queue
 EDI Message Validation	 Intelligent Mapper
 Error Queue	 Property Population
 Execute Process	 Search and Replace
 FHIR XML / JSON	 X12 Filters
 Generic Code Translation	 XML Filters
 HL7 Acknowledgement Generation	 Zip / Unzip

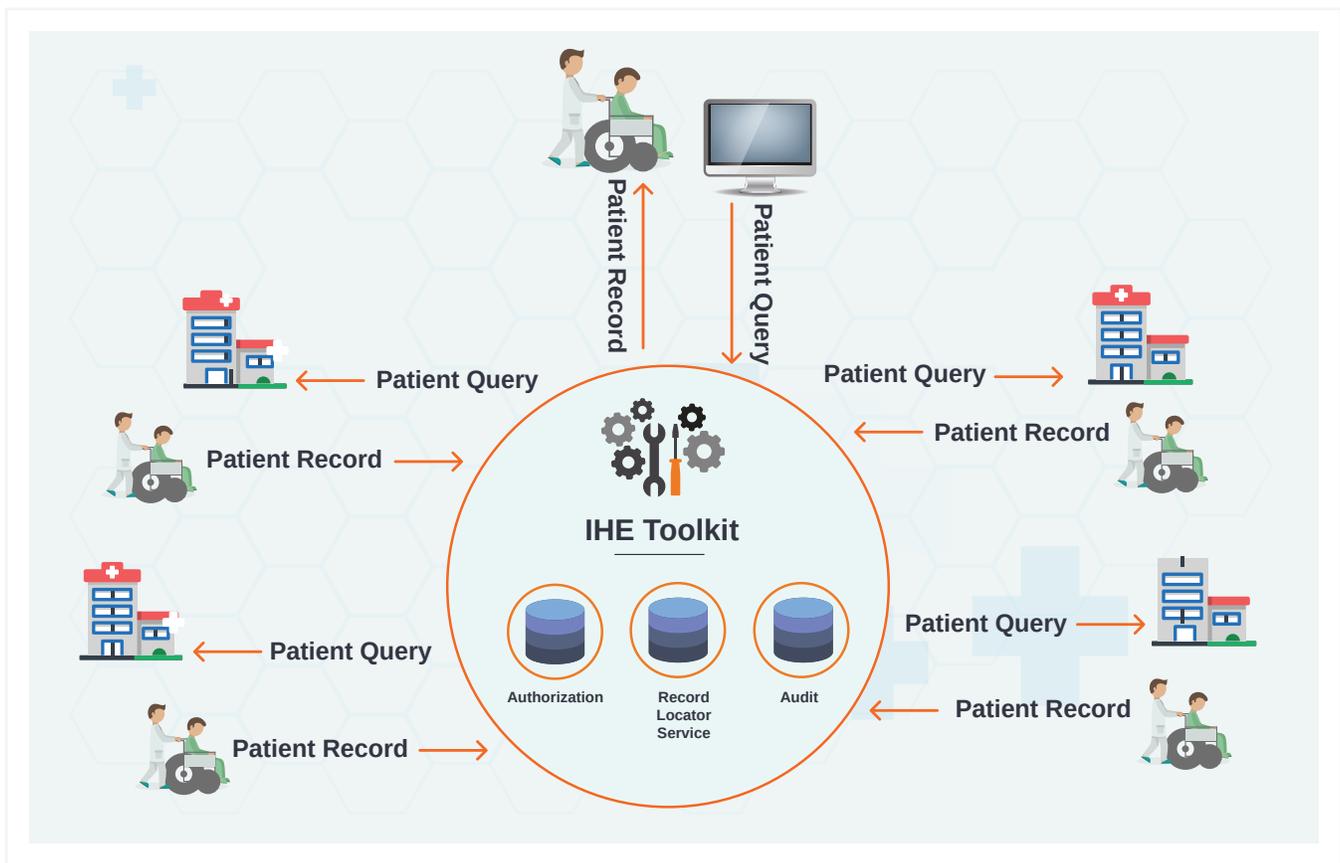
IHE Toolkit

Integrating the Healthcare Enterprise (IHE) toolkit is an additional option to easily implement the IHE profiles with patient registries and repositories. This toolkit includes the following components:

- Purpose-built HealthConnect components
- Sample configuration
- Documentation

The toolkit supports the following IHE profiles:

- Cross-Enterprise Document Reliable Interchange (XDR)
- Cross-Enterprise Document Sharing (XDS)
- Patient Identifier Cross Referencing (PIX)
- Patient Demographics Query (PDQ)
- Audit Trail and Node Authentication (ATNA)



Secure Your Future with Precision Medicine

Our holistic solution provides you with clinical, real-time analytics, and patient engagement to improve connected care and drive healthcare information exchange.



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About Prime

Headquartered in suburban Philadelphia, Pennsylvania (U.S.), Prime Technology Group is a highly diversified IT solutions company that combines innovation, deep industry expertise and a passion for client success. Founded in the year 1999, Prime serves the global markets in Healthcare, Insurance, Finance, and IT Consulting services with a collaborative workforce of more than 700 employees worldwide.

The breadth and scope of Prime's global enterprise consistently strives to ensure efficient current operations and cost-effective business processes to unleash new opportunities for growth. Prime's unique ability to meet client challenges are built upon the following **three core competencies**:

Industry Insight

Provides premiere knowledge and experience on issues prevalent in industry sectors to achieve superior business results and serve specific market needs.

Technology Innovation

Enables a variety of interactions at enormous scale and complexity, to stimulate dynamic knowledge flows, induce technological change, and create new business opportunities.

Data & Information

Delivers unique skills in collecting, managing, and analyzing data that can translate into actionable information for companies to build stronger businesses.