



*The Most Full Featured HL7 Interface Engine.*



**A Powerful, Secure and  
Cost-effective  
Interface Engine**

# Community Integration Platform (CIP) HL7 Interface Engine

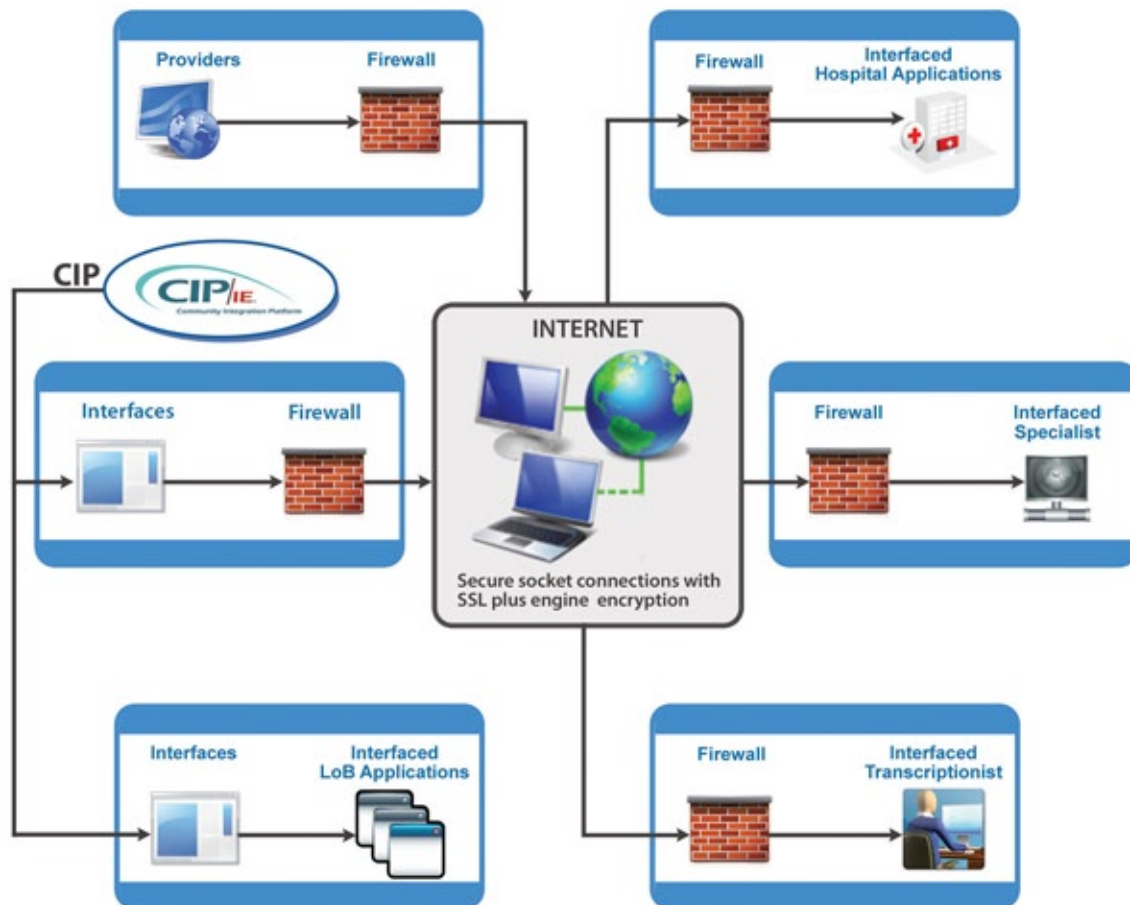
Community Integration Platform (CIP), the unparalleled interface engine from KG Intechgra, is the most powerful, secure and cost-effective interface solution on the market. CIP is designed to ensure the seamless communication of critical applications, both within the internal environment and with external entities.

The engine was designed to provide a high degree of flexibility in the formatting and routing of outbound messages. CIP is a unique entry into the interface marketplace designed to address the requirements of communication between diagnostic providers and practices using EMR interfaces.

## CIP GUI

KG Intechgra's CIP HL7 Engine is complemented by the CIP GUI, a comprehensive graphical user interface with metrics dashboard, system log viewer, HL7 message viewer, etc. Operations such as new interface setup, message routing rules, transformation rules and updates can be carried out using the optional CIP user interface. The CIP GUI can be used by management as well technology professionals within the healthcare organizations.

## Community Integration Platform - HL7 Interface Engine



## Unique Features

### Comprehensive Integration

CIP Integrates with KG Intechgra's CIP-CS, secure communications server and the secure agent deployable communications module of CIP-CS to ensure the fast and secure communications between faculties, practices and clinics using industry standard internet technologies.

### Technology

Developed on the Oracle platform for easy and real-time data integration.

### Compliance

Health Level 7 (HL7) and Digital Imaging and Communications in Medicine (DICOM) compliant.

## Highlights

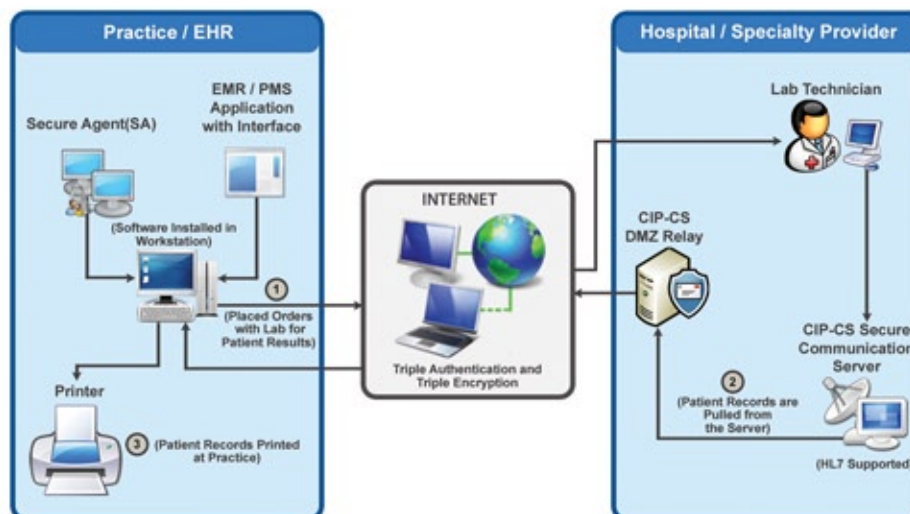
- ✓ Master patient index
- ✓ PACS integration and DICOM extension system support services
- ✓ Laboratory Information Systems (LIS) integration
- ✓ Digital Dictation interface and services
- ✓ Result message warehousing
- ✓ Secure web communications

## CIP Secure Communication Server (CIP-CS)

CIP Secure Communication Server (CIP-CS) is an internet based communication server designed to effortlessly integrate with interface engines including KG Intechgra's Community Integration Platform (CIP).

CIP-CS is a highly secure option for interface, data exchange and remote printing needs. It is capable of connecting to a variety of interfaces and can handle both communications and processing level acknowledgments of messages.

### CIP-CS Patient Results Delivered Realtime



## Unique Features

### Control and Audit Messages

CIP-CS architecture uses store and forward logic at each step of the processing of messages. The message remains in its starting location and initial form until the next step in the process takes custody and affirms that it has a safe copy of the data.

### Self Recovery

All CIP-CS programs are self recovering and self restarting. If any part of the system goes down, the programs will resume operation automatically once any underlying problems have been corrected.

### Updates

CIP-CS software features a set of remote service commands that update configurations and deal with a variety of issues that can be encountered.

### Alerts

Alerts are created and acted upon automatically and the support notification report is sent when the problem is resolved.

### Dashboard

The dashboard shows the status of the most recently sent/received messages as well as data on message volumes for selected timeframes (hourly, daily, weekly, monthly).

## Highlights

- ✓ Internet based
  - ✓ HIPAA compliant
  - ✓ Easy, simple delivery & configuration
  - ✓ Management console
  - ✓ HL7 import/export capabilities
  - ✓ Integrates with interface engines, including Intechgra's CIP
  - ✓ Error detection & alerting with downtime notifications
  - ✓ Optional 24x7 management & support
  - ✓ Embedded layers of encryption & hard authentication
  - ✓ Virus scanning
- .....

# CIP-CS Hosted Solution

CIP Hosted provides a simple secure connection service that links practices, clinics, and other health provider agencies to diagnostic, clinical, and payer systems. CIP Hosted connected nodes are linked into the partnership using the CIP-CS Secure Agent software.

## Unique Features

### Remote Result Printing

CIP hosted can print patient results at practices or remote clinical locations. Diagnostic centers can send results to the Community Integration Platform in the form of PDF documents, or as interface (HL7, SOAP, Biztalk and other formats) transactions that HIP will convert and print in real-time.

### Remote file delivery

Almost any sort of file, from interface transactions to result documents and even streaming media, can be delivered to HIP participating nodes. This transport can be used for import/export type interfaces, image delivery, or to deliver scanned documents, spreadsheets or reports.

### Remote Socket based Interfaces

CIP hosted provides a secure method to connect network based socket interfaces without the use of VPN hardware, software or appliances.

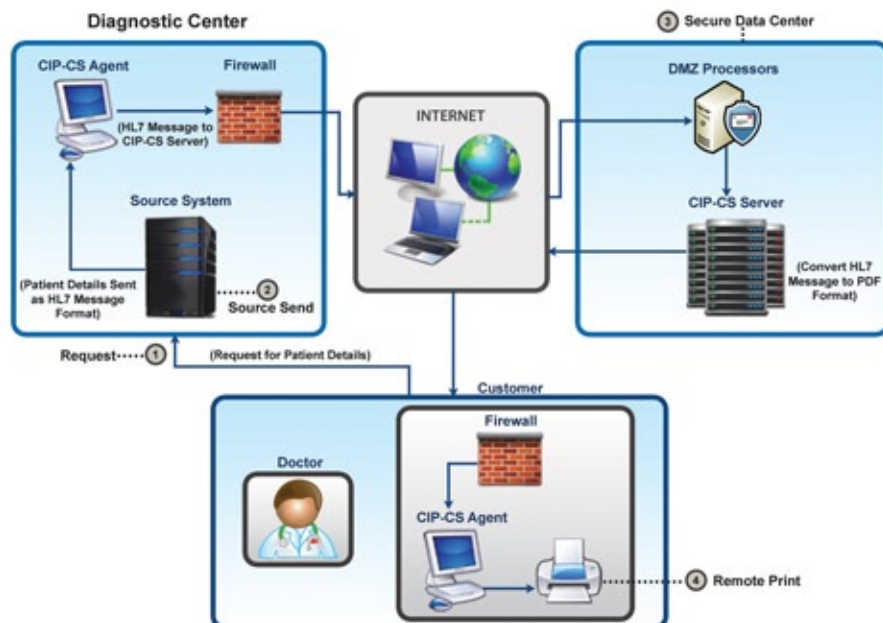
### Pass through Interfaces

CIP hosted HL7 or other standard interface traffic between systems without decryption in the middle layer for the ultimate in security and control.

### Translated Interfaces

If needed CIP hosted can utilize Intechgra's CIP interface engine to transform messages, translate order codes, manage and manipulate account and order numbers, and perform other message translation services common to interface engines. A single source interface & format from a diagnostic center can be used to support many different remote interface specifications.

## CIP-CS Process flow



## Highlights

- ✓ Remote result printing
- ✓ Bi-directional File Delivery
- ✓ Connect Network Based Socket Interfaces
- ✓ Transform messages through CIP interface engine

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## Community Integration Platform – Secure Agent (CIP-SA)

CIP-Secure Agent (SA) is designed to provide a simple, highly secure method to send interface transactions between medical facilities or systems on separate networks. Its primary use is to allow demographic data (ADT), Order and Result interfaces between Electronic Medical Records (EMR) or Practice Management System (PMS) software and Labs, Radiology facilities, and other ancillary service providers.

CIP-Secure Agent acts as the remote “client” of the CIP-CS (Communications Server) package. The CIP-SA is designed to provide a “casual” interface where the volume of orders and results does not require a dedicated, fulltime connection. It was specifically designed to be very easy to install, requiring no special networking such as Virtual Private Network (VPN) connections or special firewall pinholes.

## Unique Features

### Installation

CIP-SA is built to be easy to install and maintain. It uses internet ports to establish secure communications between itself and the host system. As the system is designed not to accept inbound connections no firewall modifications, network pinholes or other special network arrangements are required.

### Connectivity

CIP-SA can connect only the CIP-CS host for which it is licensed. This ensures that if, by some unlikely circumstance, the secure agent accidentally tries to connect to a non-CIP system or to an incorrect CIP-CS host the connection will be rejected.

### Security

CIP-SA connects to the host system using local area network sockets. The data received is placed within a primary delivery envelope and the primary envelope is then placed into a second delivery envelope along with information on the source, and destination, and several authentication tokens. Using the double envelope method, it is important to note that the host site never decrypts the primary envelope, thus, sensitive patient data is not exposed in the transport process.

## Highlights

- ✓ Easy installation
- ✓ Works on almost any PC
- ✓ Employs multiple layers of security
- ✓ Transmits data from your EMR, PMS or other application
- ✓ Receives data from the data provider (e.g. order update and result transactions)

# Key Benefits of CIP and CIP-CS

## Secure

Reliable data sharing across critical applications.

## Fast

High-speed and accurate exchange of patient information to help make informed decisions.

## Cost

Implementation and support of integrated solutions at fraction of market cost.

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## Backed By **KG Intechgra**

KG Intechgra LLC is the result of an alliance between the multi-faceted Indian enterprise KG Group and Oregon firm Intechgra Database Solution, Inc.

Intechgra Database Solutions, Inc. was founded in 2004 by a core team of software engineers and database experts with a wealth of experience in medical systems integration and development. KG Group is a 70-year old conglomerate with roots in the textile industry, but has expanded into engineering, education, finance, health care, travel and entertainment. The KG group has been apart of the health care industry since 1974 and also has significant experience in the Information Technology industry. Together they strengthen their commitment to better health care and to improving better health care outcomes.



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