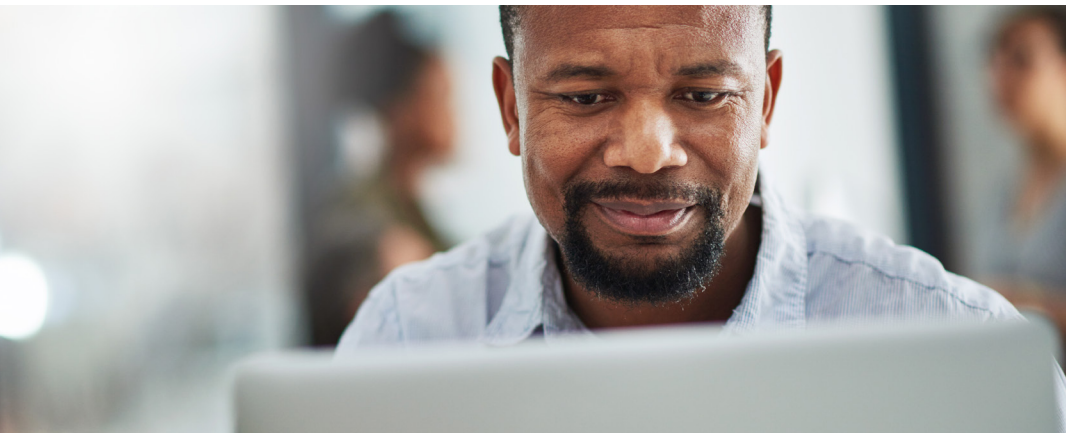
OPTUM®

Open Integration Manager



Many organizations need a scalable solution for interfacing with data between their practice management system and third-party systems. However, redundant data entry can be expensive and time-consuming.

Optum® Open Integration Manager allows clients to manage data fields and formats, and to determine where to collect and distribute messages. Monitoring, troubleshooting and error-logging features allow users to check activity and data integrity.

Open Integration Manager provides a rapid, cost-effective means of interfacing data into and out of any revenue cycle practice management system.

Integrates revenue cycle and managed care data with other enterprise systems

This high-performance application is capable of transferring large volumes of data to any outside system and loading large volumes of data directly into the host system, eliminating the time and expense of redundant data entry.

Open Integration Manager can help you:

- Send inbound and outbound data quickly and efficiently
- Collect and disseminate data to multiple systems in multiple formats
- Boost administrative efficiencies

Improved efficiency

Open Integration Manager collects and receives data from specific applications within the practice management system and disseminates the data gathered to multiple systems in multiple formats. It also has the ability to collect data from any third-party system, perform data translations and load data directly back into the original database system. This helps organizations achieve economies both financially and through reduced system utilization.

Flexible application

Because the system is designed to be modular and highly flexible, clients are able to expand their data collection and interface with multiple systems through one central Open Integration Manager.

Software functionality

Open Integration Manager provides a rapid and customizable means of feeding an interface engine or multiple third-party systems with data from the practice management environment or taking that same data and feeding it back into all applications in the original environment. The modular design allows any data set processed by the interface to be rapidly expanded to include additional types of data.

Open Integration Manager architecture

The Open Integration Manager is built to rapidly process single messages and ensure each message is processed a single time in the order messages are received. A message may be formatted HL7 or a delimited line of text. Messages can be sent to the Open Integration Manager in a file that contains a single message or multiple messages. Open Integration Manager also supports real-time interfaces using sockets. An interface defined within the interface framework is composed of two or more systems. There are three kinds of systems: source system, target system and reformatter system.

Source system — Responsible for finding and parsing data produced by external systems using HL7 feeds or batch files. For real-time HL7 feeds, the source system will receive the message, insert it into the target system queues for processing and return the acknowledgment to the sending system. For batch files, the source system will parse the file and insert each individual record into the target system queues for processing.

Target system — Responsible for processing queued messages in the correct order. It will parse, translate and log the results of the target systems file data into the receiving database. Errors encountered processing a message are logged, and the target system transitions to process the next message in the queue. Messages that encounter an error during processing can be manually reprocessed at a later time. All messages and results are saved for a configured length of time when they are purged by a nightly purge process.

A source system will be mapped to one or more target systems, and a single target system can be mapped to one or more source systems. Messages from a single file may be processed by multiple target systems, or multiple files may be funneled into a single target system.

Reformatter system — Processes an input file, reformats it and saves it to another location. The output of a reformatter system is generally the input of a source system.

The Open Integration Manager is a Windows service developed in C# and the .Net framework. It uses Microsoft SQL Server to store the system definition, message queues and provide reporting.

Quick, efficient communication to and from third-party systems

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