

## NIMIS HL7 Integration Solution

In 2010 the Health Service Executive (HSE) launched a major project to provide a new National Integrated Medical Imaging System (NIMIS) to hospitals in Ireland.

One of the key requirements for each hospital is to transfer patient information in Health Level Seven (HL7) format to the NIMIS system.

For some hospitals this may be a challenge if their current IT systems, such as PAS, do not support HL7 messaging.

Grapevine has developed a unique solution that transfers the key information required by NIMIS in HL7 format.

Our solution can be customised to suit specific hospital requirements & can also be used for many other HL7 messaging requirements.



*"RoboDJ and Ensemble proved a winning combination for us. RoboDJ enabled us to rapidly replicate our PAS data to an industry standard database. Ensemble provided us with the secure delivery of key patient events in HL7 to NIMIS. Both products saved us months in development time."*

**Breeda Feeney, Senior Systems Analyst, Waterford Regional Hospital.**

### Benefits...

- ✔ Extensive support for HL7 standards
- ✔ Fully compatible with NIMIS requirements
- ✔ Cost effective industry standard solution
- ✔ Capability for integration with other systems



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## ***NIMIS HL7 Solution – Key Features***



### **PAS NIMIS Integration**

Our NIMIS HL7 solution integrates your Patient Administration (PAS) system with NIMIS and can be customized to suit specific hospital requirements.



### **Tried & Tested**

Our solution has undergone an extensive series of trials and tests with NIMIS to ensure that all messages are fully compatible with NIMIS standards.



### **Patient Events**

Our solution currently supports the following key HL7 messages required by NIMIS. Additional messages can be provided as required.

- ✓ Patient Registration, Admission, Discharge & Transfer
- ✓ Outpatient Visit & Outcome
- ✓ A&E Visit & Outcome
- ✓ Merge Patient Record



### **Dashboards**

Our solution includes a dashboard for monitoring the throughput of different patient event messages to the NIMIS system.



### **Database Replication**

Grapevine's RoboDJ data replication product can be used in conjunction with our NIMIS solution to replicate data from legacy MUMPS databases to Ensemble or Caché.

## ***Ensemble Overview***



### **Intersystems Ensemble**

Ensemble is one of the most popular HL7 interface engines in the world and has been ranked #1 or #2 in its category by KLAS Enterprises every year since 2006.



### **Ensemble Key Features**

Ensemble is a versatile and highly reliable platform for connecting processes and applications in healthcare organizations. Some key features are outlined below.

- ✓ An embedded database that persists messages and guarantees message delivery
- ✓ A graphical editor for transforming messages and data
- ✓ Rules engine enables changes to running interfaces without programming
- ✓ Visual Trace, graphically showing message paths and content
- ✓ Message searching and re-send
- ✓ Operations monitoring of inbound and outbound messages



### **HL7 Support**

Ensemble fully supports HL7 messaging as well as additional messaging protocols, such as X.12 and SOAP.

- ✓ Supports HL7 versions 2.X and 3
- ✓ Pre-configured, customizable HL7 message router and HL7 version 2.X schemas
- ✓ HL7 Sequence Manager to ensure that messages are routed in the sequence established by the sender

**To obtain further information visit [www.grapevine.ie](http://www.grapevine.ie) or contact Grapevine Solutions at +353 1 6218004 or email [sales@grapevine.ie](mailto:sales@grapevine.ie)**