

### EAI Implementation

We appreciate Softima's contribution As a SI (system Integration) partner to webmethods and also as a reliable Vendor for Parkway Group. We commend their participation and cooperation in the overall Implementation of Phase I and Phase II. Our experience working with them has been very Smooth and we will be more than happy to recommend Softima as a valuable partner to other Clients...

**Dr Vidhyashankar Kadur, General Manager, Information Services  
Parkway Group Healthcare Pte Ltd., Singapore**

#### The Client

The Client is one of the largest health care organizations in the world.. They own a network of hospitals across the globe with an emphasis in Asia. The IT organization prides itself on being on the cutting edge of all technologies including ERP.

#### The Challenge

The Client has three major hospitals in Singapore and has different applications for each department. Their IT team had developed several systems and the remaining ones were purchased from different Vendors. A VB application (Interface Engine) was designed to send data from all systems to the SAP Health Care Module which was utilized by all departments as a central system. The need was to integrate various systems like IRIS, Cerner and Merlin.

#### Scope of the Project

-To Replace the Interface Engine with webMethods Integration Platform and to Provide a Common Integration Framework -Re-architect Interface Engine using webMethods Integration Platform by Applying HL7 Health and to integrate them into the SAP HCM system.

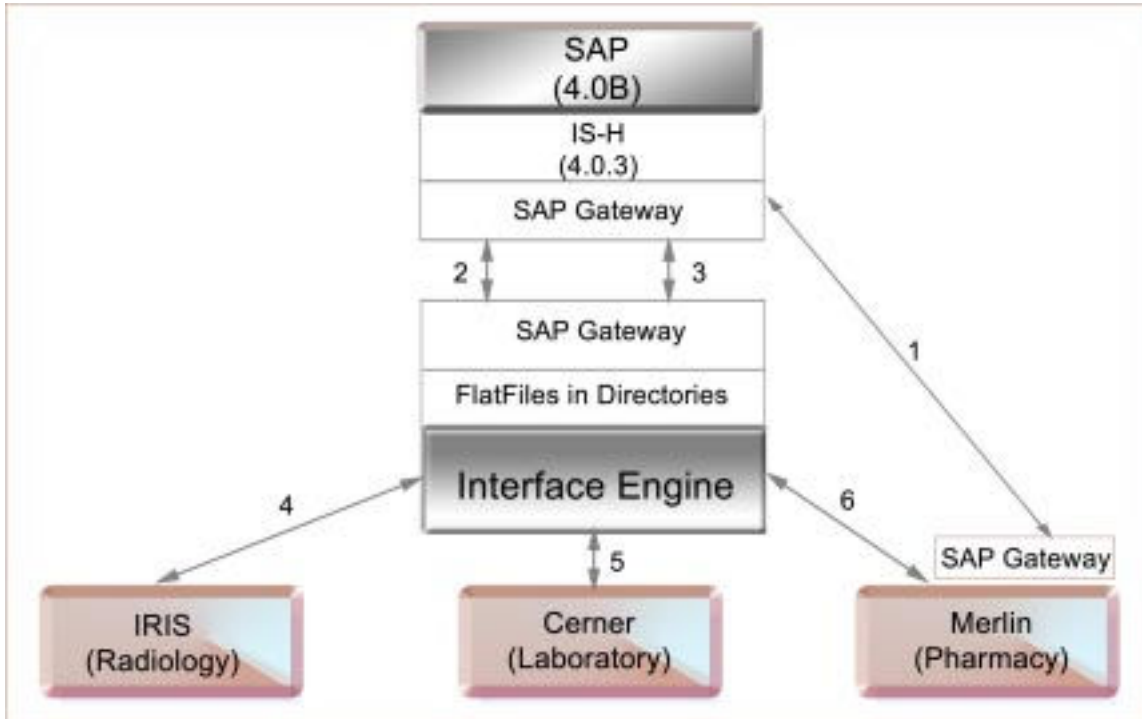
First phase of the project involved integrating Laboratory System (Cerner) and Radiology System (IRIS) with SAP Health Care Module. Data format for communication was HCM (for SAP system) and HL7 (for IRIS & Cerner systems). After receiving the data from a system, webMethods parses, validates, logs and delivers the messages to corresponding receiver. Protocols used for this communication were TCP/IP, Directory and SAP RFC's.

Second phase of the project involved integrating Pharmacy (Merlin) with SAP Health Care Module by using webMethods as the Interface Engine. Data format for communication is HCM (for SAP), HL7 and Custom messages (for Merlin System). Protocols used for this integration were FTP, Directory, SAP RFC and SAP BAPI.

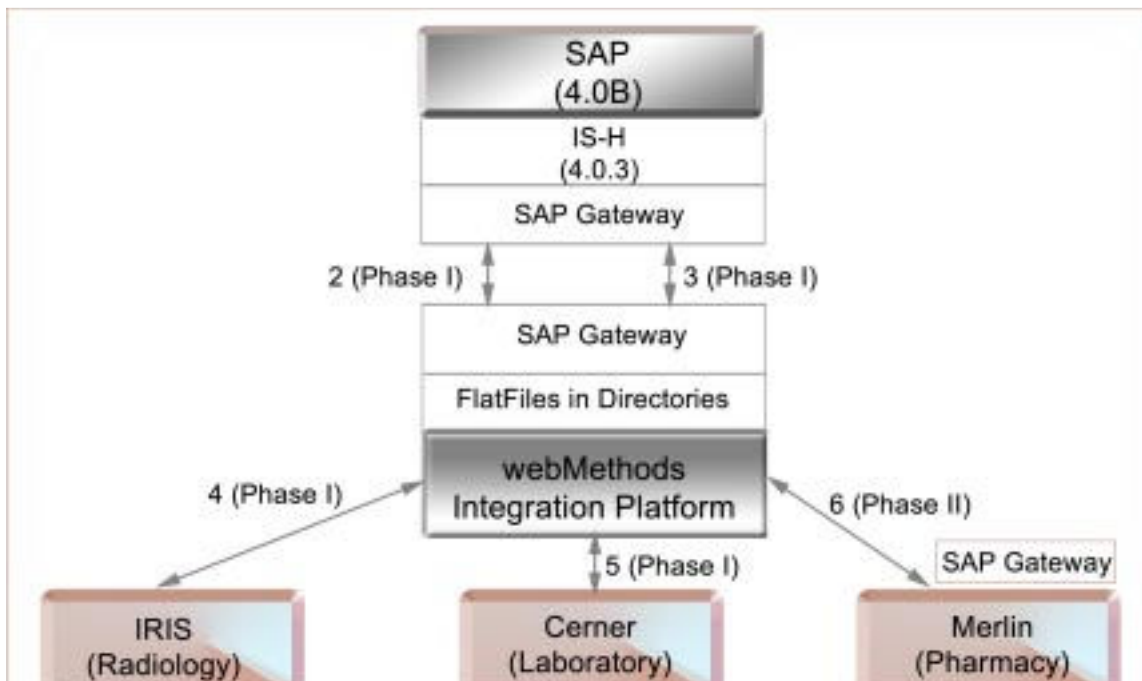
## CASE STUDY EAI

### Implementation

#### System Architecture Before EAI



#### System Architecture After EAI



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