

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

The Client

The Client is the largest Health Care group in Asia. They own three leading hospitals in Singapore, and seven hospitals in the region – Malaysia, Indonesia and India. With an extensive network of hospitals and integrated Health Care facilities in the region, The group dynamically evolves and innovates to stay on the cutting-edge of Health Care provision and prides itself giving quality service and state-of-the-art facilities.

The Challenge

The Client has three major hospitals in Singapore and has different applications for each department in those hospitals. Internal development team developed few systems and remaining were purchased from different Vendors. VB application (Interface Engine) to send / receive data from all systems to SAP Health Care Module (Central system for all departments and all hospitals of the group) was developed. 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 Care Standards

Project Approach

- Integration between SAP to IRIS
- Integration between SAP to Cerner
- Integration between SAP to Merlin

Project Team

- webMethods’ Team
- Softima’s Team
- Client’s Team

The Solution

Softima is well versed in implementing Health Care standards HIPAA, HL7, NSF, ANSI, etc on webMethods Integration Platform. webMethods has chosen Softima as preferred System Integrator for the Client project. Softima had worked with webMethods for the first phase of the integration project. The second phase was exclusively implemented by Softima.

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 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.

Benefits to Clients

- Easy Transaction Tracking and Logging
- Speed and Secure Transactions
- Rapid Integration of All Systems in the Group

Domain

- Health Care

Technology

- webMethods Enterprise Server
- webMethods Integration Server
- Adapters

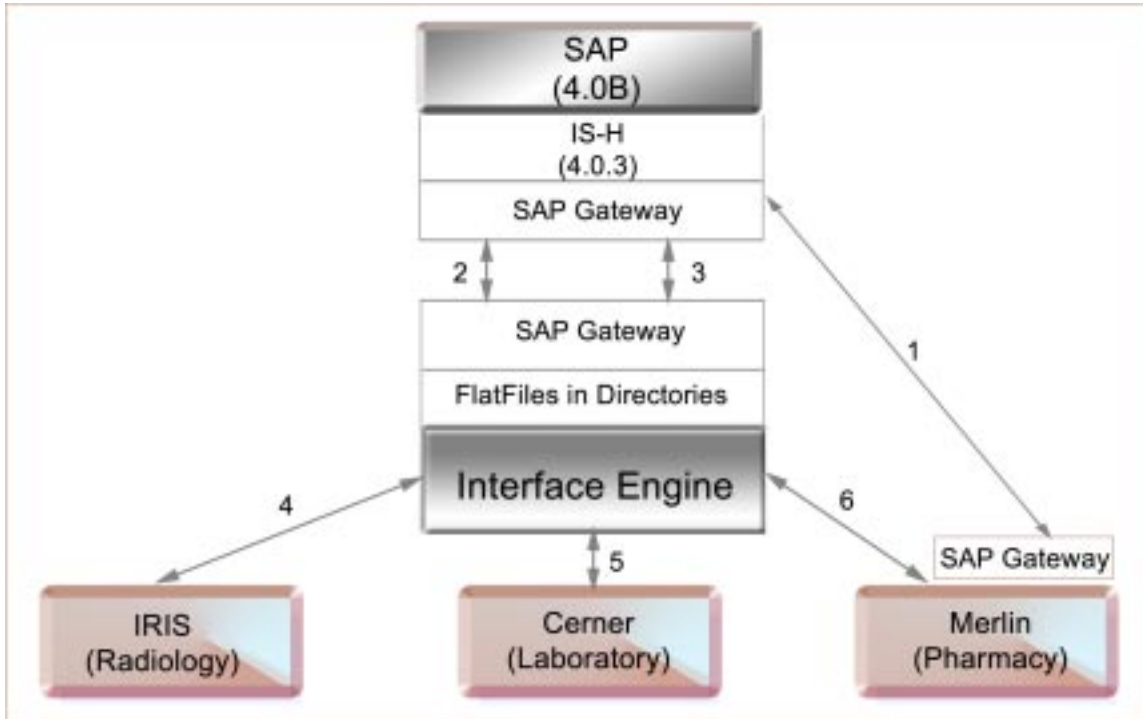
Project Type

- Integration

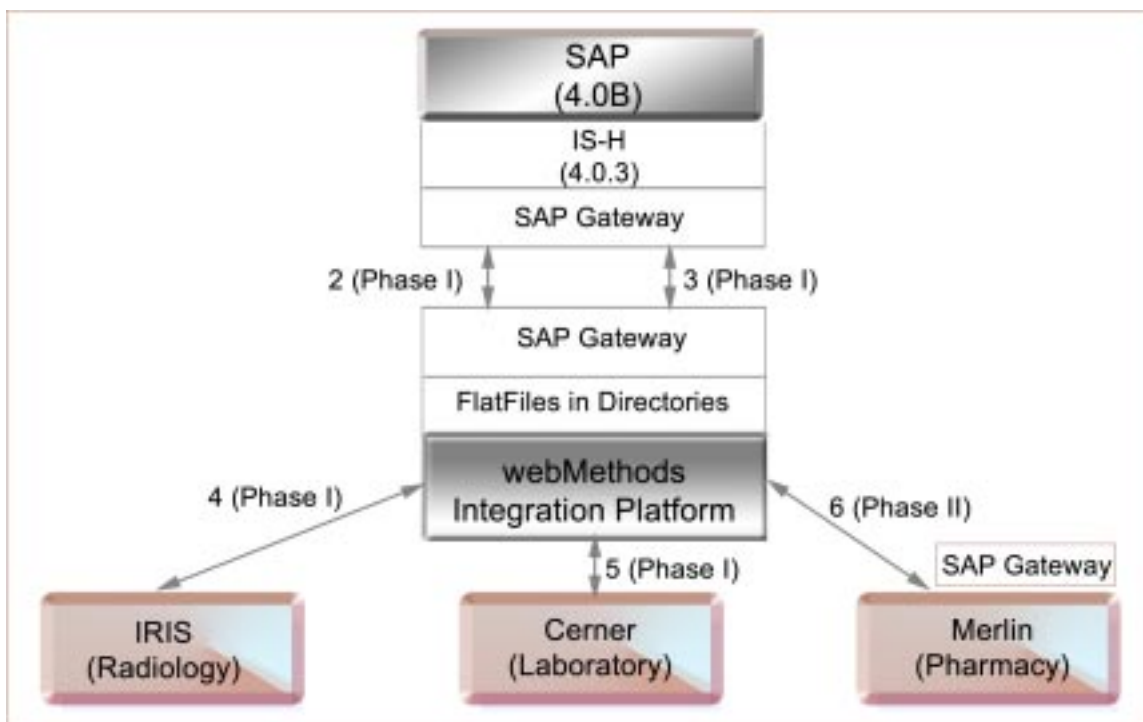


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System Architecture Before EAI



System Architecture After EAI



Softima Offerings

- On-Site Consultancy
- Off-Site Consultancy
- Off-Shore Consultancy
- Project Management
- Contract Programming

Solutions

- B2B/EAI Integration
- IT-Enabled Solutions
- Re-Engineering
- Porting and Migration
- Internet/Intranet Applications
- e-Business
- Client/Server Applications
- Legacy Applications
- Quality Assurance Testing

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