nehta

eHealth Integration Sample Code v1.0
Product Data Sheet

15 April 2014
Approved for external information

Key features

- Sample code and technical documentation that supports large healthcare organisations to integrate their systems with national eHealth infrastructure

Usage (internal, external)

- Healthcare implementations
- Software vendor products

Format

- ZIP file

Introduction

The eHealth Integration Sample Code end product (Product) provides implementers and software vendors with a sample implementation of a communications solution that enables patient administration systems and clinical information systems to interact with the Healthcare Identifiers Service and the personally controlled eHealth record system (PCEHR).

It is a standalone middleware solution offering the following functionality:

- Connection to the Healthcare Identifiers Service to search for and retrieve national healthcare identifiers.
- Assisted PCEHR registration of patients.
- Connection to the PCEHR to:
  - Determine if a patient has an eHealth record.
  - View a patient's eHealth record;
  - Post clinical documents into this record including:
    - discharge summaries;
    - prescription and dispense records;
    - event summaries;
    - shared health summaries; and
    - specialist letters.
  - Package these documents prior to submission.

Background

NEHTA has a strategic aim to support and facilitate the adoption of national eHealth foundations across the health sector. A key element of delivering on this objective is supporting the implementation of solutions that integrate with the national Healthcare Identifiers Service and the PCEHR system. NEHTA also seeks to collaborate through our implementations projects and, wherever possible, use the lessons learnt and knowledge gained to support the uptake of the national systems, and make that information available to a broader audience, where possible.

Release of HIPS as sample code

One result from this work was the development of the Healthcare Identifiers and PCEHR Service (HIPS) middleware solution, which has been shared with and used by jurisdictional implementation projects.

This eHealth Integration Sample Code includes the source code for the HIPS solution and associated technical documentation and allows eHealth adopters to implement and extend the solution within their own environments and through their own projects. In this manner the resulting integrated solutions are fit for purpose within the specific contexts of the patient and clinical software systems deployed.

Governance, support and future enhancements

To ensure appropriate governance of the future support and enhancement of the HIPS software, a governance group has been established with representation from specified parties.

A HIPS user group has also been established. Its primary objectives are to:

1. Ensure that the HIPS product is available and supported for all jurisdictional members of the HIPS user group.

2. Make decisions on future product direction and enhancements.

Future enhancements to HIPS, based on agreement from this user group, will be made available in its source code form through NEHTA's Implementation Resources web site.

Content

The eHealth Integration Sample Code contains the following product components (packages):

- Documentation package:

    HIPS Production Release 4.1.0
    ○ Initial and Clean Installation Guide

    ○ Third Party Software Licences

    ○ HPI-I Search Functional and Technical Specification

    ○ Assisted Registration Functional and Technical Specification

    ○ Document Consumption Functional and Technical Specification

    ○ Document Production Functional and Technical Specification

    ○ Merging Specification

    ○ PAS HL7 Specification

    ○ Evaluation Guide

HIPS UI Web Release 1.0.0

- ○ Web Deployment Guide

- ○ NPDR Web Design Specification

- ○ Assisted Registration Web Design Specification

- ○ Assisted Registration Requirements

- Source code package:

  - ○ HIPS 4.1.0 Source

  - ○ HIPS Web UI 1.0.0 Source

- Test harness application:

  - ○ Compiled Demo Harness version 4.1.0 executable

  - ○ Compiled libraries as required to run Demo Harness

  - ○ Template for Demo Harness configuration file

- HIPS Web Service Descriptions:

  - ○ Generated WSDL and XSD files for all HIPS Web Services Source Code Packages

Details of each interface are described and defined in the functional and technical specifications in the document package listed above.

The WSDL/schemas for each interface are also available in the WSDL package listed above.

Downloads

The eHealth Integration Sample Code is now available in the Implementation Resources area of www.nehta.gov.au under "Implementation and Adoption" or from the following link:

http://www.nehta.gov.au/implementation-resources/implementation-and-adoption/ehealth-integration-sample-code