



A GENERIC CLINICAL PORTAL

OCW - Open Clinical Workspace - is a generic, clinical portal that translates new and legacy solutions into a single unified workspace

BENEFITS

Improved payback on new as well as legacy solutions

Deployment of new modules at minimum costs

Flexible basis for unified workspace solutions

Guarantees multivendor strategy

Shared contexts that create coherence

Open Clinical Workspace - OCW - is the CSC Scandihealth version of a generic, clinical portal for designing health IT workspaces.

The OCW is currently used in the primary and secondary health sectors, and is available in a desktop as well as a pocket PC version.

The OCW is a generic, clinical portal that combines and integrates the customer's health IT solutions in a single unified IT workspace within an easily accessible framework. The customer benefits from improved payback on new as well as legacy solutions. The user gets a unified IT workspace with easy access to the associated modules.

SHARED CONTEXT CREATES COHERENCE

The aim of the OCW is to form the basis for unified workspace solutions that support the user and the task at hand.

A central feature of the OCW is the unambiguous and visible shared context across all open modules.

The current context - for example a patient encounter - is retained in and shared by all modules. When you select a patient from the patient list, all active modules that contain data about the patient will switch to the new context.

The centrally co-ordinated shared context between modules is based on HL7's CCOW - Clinical Context Object Workgroup standard.

MULTIVENDOR STRATEGY

The OCW is designed with an open specification which ensures the multivendor strategy. The interfaces, including documentation and technical interfaces, are publicly available to customers and third-party suppliers.

The customer owns his own configuration and is able to customise the solution. The design and contents of the workspace can be customised right down to the user level.

Deployment of new modules can be made at low costs.

CONFIGURATION

The OCW configuration provides information about the elements that form an OCW application.

It supplies general information such as the application icon, culture info, version info and security settings,

but most importantly, it specifies what modules should run in the OCW application. Modules are binary application blocks, also known as assemblies, which plug into the OCW framework.

'OPEN CLINICAL WORKSPACE'

"Open" because:

- OCW is an open framework configured with a collection of interfaces
- Documented interface libraries are available to the customer
- All configurations are customer owned
- Minimal entry requirements for hosted applications

"Clinical" because:

- The essential part of the OCW concept is the HL7/CCOW context manager, distinguishing it from an ordinary portal. The Context Manager supports and enforces clinical context sharing across the hosted modules

"Workspace" because:

- OCW provides the user with a multi-module access portal (enabling easy navigation between modules through shared context)
- The portal can be configured to individual user needs (content and behavior)

The OCW is configured through an open configuration architecture that enables applications running in the OCW to supply configuration information through a set of standard configuration interfaces. This provides a high level of flexibility as to where and how configuration data are stored. The configuration can be hard-coded, placed on a mainframe or in an SQL database or simply in a file. The OCW framework supplies a standard out-of-the-box XML configuration, enabling configuration of the OCW through an XML file.

BASIC CAPABILITIES OF THE OCW

The Context Manager

- Coordinates context changes based on HL7.org's reference implementation.
- Context changes are signalled from the work/patient list on double-click.
- Guarantees that all modules hosted by OCW shares one unambiguous clinical context.

Patients - search and lists

- Tailored to the Master Patient Index at hand.
- Search results are presented in an easy accessible way that provides fast access to switching among patients and encounters.

Module support - technology

- .NET Win form
- Web modules with server-side exchange of context
- Web modules with client-side exchange of context
- Java rich client (for example "Swing")

Security

- Based on an external authentication system
- Basic support for AD/LDAP and Web services

OCW CASE: VITAE

The OCW portal has been used as the framework for developing the new VITAE Suite which handles citizen records in elder care and nursing homes. The solution contains a number of modules covering different parts of a care client record, such as registering basic client data, assessment of the client, ordering of services, and administration of medicine.

The use of OCW as the portal has resulted in a highly modular and configurable system in which the users only see the parts that they are authorized to. The system is highly intuitive, because the concept of a context makes it clear which client the currently displayed data is related to, and because the modular design makes it logical where to find a particular piece of information.

The system exploits the possibilities for interaction between modules, thus making the modules work together as one system without compromising the idea that modules are independent. The effect of this is that users feel they are using an intuitive and coherent system that is easy to get familiar with instead of a portal with a set of totally isolated applications.

Part of the system is a Windows Mobile application for PDA devices. This application is hosted in the OCW Mobile portal and consists of both off-line and on-line modules. As a result, the windows mobile application has a similar look and feel, and the same advantages as the users have on the desktop application.

CONTACT CSC SCANDIHEALTH

Please call us at tel (45) 3614 4000 and e-mail scandihealth@csc.com for more information.

CSC Scandihealth A/S

Main office
P.O. Pedersens Vej 2
8200 Århus N
Denmark
Tel (45) 3614 4000
Fax (45) 3614 7324

Oldenburg Allé 1
2630 Taastrup
Denmark
Tel (45) 3614 4000
Fax (45) 3614 7370

Vers. 25.10.2008

CSC Scandihealth A/S

CSC Scandihealth develops and supplies electronic health records and solutions for hospital information, clinical quality, care, health insurance, and student administration. We put our health professional knowledge and competence to work in support of the development of an integrated healthcare community.

We have supplied healthcare IT to Danish hospitals since 1972. We have created an unrivalled product range, a unique pool of know-how about the healthcare sector, and in-depth knowledge of the world of our customers.

Our employees are primarily working with the development and supply of healthcare IT. The knowledge and expertise of our employees encompass technology as well as healthcare, a combination that provides us with a sound basis for further development and delivery of healthcare IT solutions that allow our customers more time to concentrate on their own core services.

CSC Scandihealth is owned by CSC and is CSC's Nordic competence centre for healthcare solutions.

