e-Portal

e-Portal allows business application procedures developed by the Framework to be easily deployed via the web.

Our object oriented design separates the business application layer from the user interface layer and the database layer, thereby offering more flexibility in terms of how we can implement the system and tailor it to the needs of a customer.

e-Portal API is written in standard Java and utilizes an XML interface protocol in addition to Java Server Pages (JSP).

Benefits:

· Ability to deploy existing ProphecyOpen tasks to the web
· e-Portal is designed to be easily incorporated into a corporate website
· enables company data to be accessed by the public
· External users maintain and enquire their own information

A number of the ProphecyOpen tasks can also be configured to appear at the same time on the screen, enabling companies to maintain their own corporate 'Portal' style web systems.

The built-in functionality of the e-Portal allows deployment of an existing task from the client/server to the internet without any modifications made to the task.

Technical Overview

The ProphecyOpen e-Portal consists of the following components on various platforms.

e-Tasks

In essence, an e-Task is a ProphecyOpen task with a web browser interface. Standard client/server tasks can be run as an e-Task.

This means that the same business logic will be exercised by a web user and a client user with no extra development cost because the web and the client/server tasks are the same task.

The e-Tasks are tailored like any other task using the standard ProphecyOpen task building tools. e-Tasks can be tested on a client before testing via a web browser.

JSP Server

e-Tasks are implemented on a web browser via JavaServer Pages (JSP). A single set of standard JSPs is issued with e-Portal to emulate the standard workbook modes or actions. This set of JSPs provide a standard presentation and operation for all e-Tasks.

The appearance of the e-Task pages can be tailored simply using cascading style sheets (CSS) and customised tag libraries (taglibs), as commonly used by today's HTML designers. This makes modifying and updating simple, as anyone with HTML skills can easily learn to modify these JSP's.

The e-Portal employs a high level of data-caching. Once loaded, an e-Task or pick list is available to anyone using the system. This results in true data sharing across multiple users.

The e-Portal makes use of database connection pooling and OLTP (On-line Transaction Processing) Server application server pooling in order to minimise time connecting and disconnecting from the database and the OLTP application server(s).

OLTP Server

The ProphecyOpen OLTP Server is where e-Tasks are executed. The OLTP receives requests to retrieve or update data in the database. The business rules that are tailored onto an e-Task are executed on the OLTP Server.