CARE DATA

The Web Access Channel ™

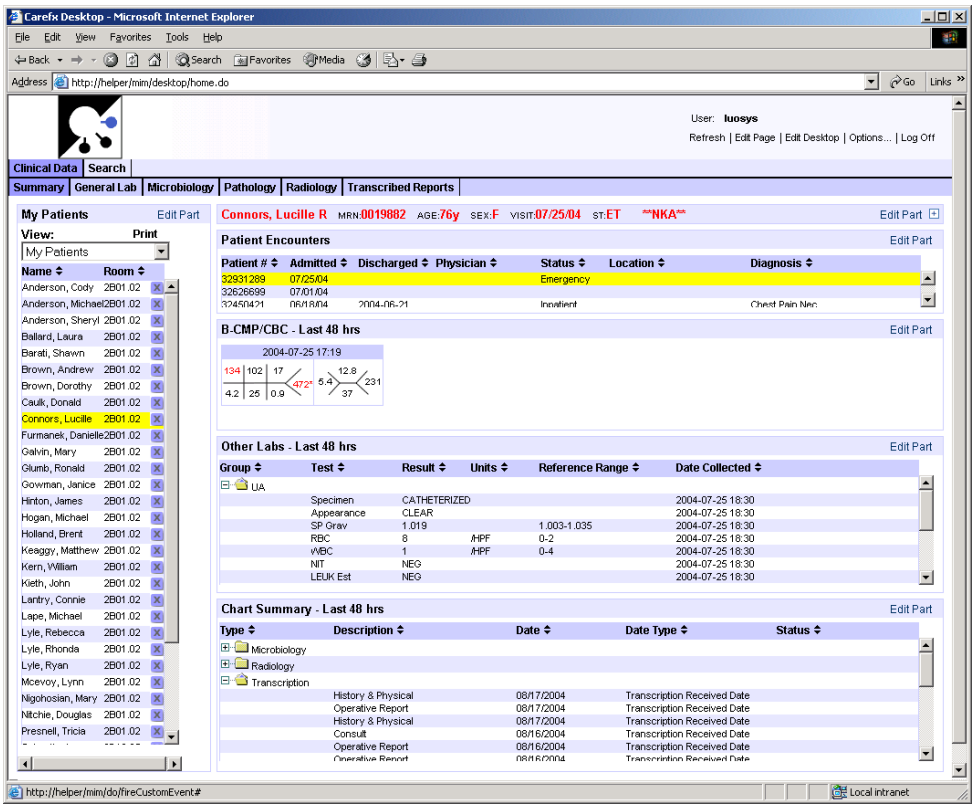
A SOA-oriented rapid-development facility for generating robust portlets for a JSR-168-compliant enterprise portal, using a secure query service and integrated report generator

How It Works

Graphically configure the user interface, then configure and attach queries filtering on context parameters. Generate JSR168-compliant portlets that can then be plugged into IBM WebSphere Portal Server, JBoss Portal or LifeRay. At run-time query results are filtered according to LDAP credentials

Deployment Modes

The Web AC is most typically used to generate portlets for web portals in large healthcare enterprises. In this mode you configure, generate, and install the portlets. The configured objects are all persisted in XML definitions, making it possible to generate user interface definitions to other target platforms such as WML



Build rich web portal panels by drag-and-drop configuration against any operational schema.

Features and Benefits

Meeting the Exact End User Requirements

- You have a database and integration engine, but users want *seamless* access to data from numerous departments and facilities. The solution: create a seamless enterprise Web Portal that you control and meet user's needs even as applications are sunsetted and installed.

Manageability, Flexibility, and Interoperability

- Proprietary Portals lock you into early captivity and deep regrets. The solution": Comply with the JCP JSR-168 standard for remote portlets and open up numerous competitive Portal servers to choose from. You are never taken captive

- Standalone report writers are insecure and require lots of manual coding to integrate. The solution: generate secure, rich reports using same secure query service that feeds the display. leverage it for your whole enterprise

- HTML is not good for reuse, and a rich Web-based GUI has lots of moving parts to maintain. The solution: Demand composite parts that leverage other completed and tested parts. Solutions are correct and manageable without cloning code.

Implementation Time and Cost

- It's unfeasible to "write" a large enterprise portal. It's never done and it's never right. The solution: generate almost the entire portal by graphical configuration from a rich set of parts and large collection of industrial strength samples. Both time and cost are minimized.

Regulatory Compliance

- Even beyond access-control decisions and enforcements, portal auditing can be a nightmare. The solution: provide log4j-standard operation logs and and trace logs for all user-initiated events. Feed the logs to a last-hour monitor updated each minute. know exactly who has been using the portal and how.

Infrastructure

Logging
Logging is handled at both operation- and trace- levels via log4j including all important context, plus the query itself for content replay (the RAD logs record the access control decisions outcomes for each row returned.

Monitoring
a moving window of query execution volumes (by query name) and average response times is displayed in an Excel-based monitor. It is refreshed from operation logs each minute. See the slowdown anomaly if a resource is drawing down

Audit
Logs are harvested, cached, and restructured for analysis on an automated, periodic basis. A web portal page supports integrated case review. See all facets of activity by user or by subject

Dependencies

- Component: Entity Identification Services for interactive fuzzy search
- Facility: Web Portal Server (JSR-168-compliant Portal) or use Servlet mode
- Component: Secure Query Service for secure queries by configuration
- Component: Resource Access Decision Service for Query result filtering
- Facility: Log4J Logger
- LDAP Authorizations Database
- Facility: SQL RDBMS (any ANSI-compliant dialect)

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