caInt 0001 - Comparison of features and functionalities of caIntegrator and caB2B features

Question: How do the features and functionalities of caIntegrator and caB2B features compare?

Topic: caIntegrator Usage

Date entered: 02/08/2010

Release: Up to caIntegrator 1.3

Answer

The table below is a side-by-side comparison of caIntegrator and caB2B features and functionalities. This knowledge base entry is a joint effort with the caintegrator team and caB2B team.

Feature	caIntegrator	caB2B
Functionality	1. Repository for clinic studies: Create and update studies with data of various types in a predefined flat format 2. Data warehouse to provide correlation data: Integrate clinical data with genomic and/or imaging data 3. Various analysis tools: Add-on KM Plot, Gene Expression Plot and GenePattern Analysis	1. Administrative Tool allows administrators to configure caB2B by: • Loading application data models from caDSR • Creating useful categories, or aggregations, of data • Joining together categories and/or application data models 2. Client Application allows users and administrators to use a Query Wizard to create and execute queries based on the configurations defined in the Admin tool. 3. Web Application: Allows users to search and retrieve microarray data, imaging data, specimen data & nanoparticle data based upon a predefined set of queries defined in the Client Application
Searches	Searches within a study, with a secure query tool to search and combine data from caArray and NBIA from caGrid data service.	An open-source, secure query tool capable of searching for any data on the caGrid, and combining data from across caGrid data services
Data Compatibility	1. Microarray data, imaging data from caBIG® 2. Customized data not in caBIG® 3. Simple data format, can upload in data in spreadsheet (.CSV format).	Any data registered in caDSR and exposed on the caGrid can be retrieved.
Grid	Data can be either on or off the grid. (For example, caArray and NCIA data must be on the grid; clinical data is not on grid).	Any data registered in caDSR and exposed on the caGrid can be retrieved
Data Type Matching of Ids	1. There are explicit correlations between the data and the ID. 2. Study Managers direct the data types to correct files that show matching between samples. 3. The user points the system to files which identify which array is associated with which person.	Data can be joined within or across models by using either a common identifier, or by using a consistent data element
People who are using tool	• Study Manager understands the data and sets up the tool. • User can analyze the data without the knowledge of how data are mapped.	• Bioinformaticians create categories and new queries • Researchers can execute those queries without needing to understand how the data is stored
Analysis	Has explicit data analysis components within the application.	caB2B is not an analysis tool per se. Users can export data from caB2B in a number of different formats (xls, csv, pdf) to perform additional analysis

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