

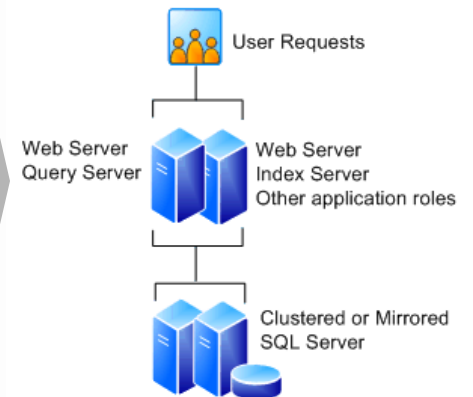
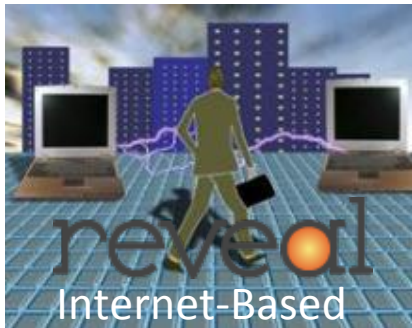


An Enterprise Clinical
Data Search Solution

d-Wise Technologies
Welcomes
PhUSE Members 2012



- Informatics professionals, clinicians, statisticians, data managers and process/quality specialists.
- Reveal provides a single, unified view of information throughout the e-Clinical environment through a web browser.



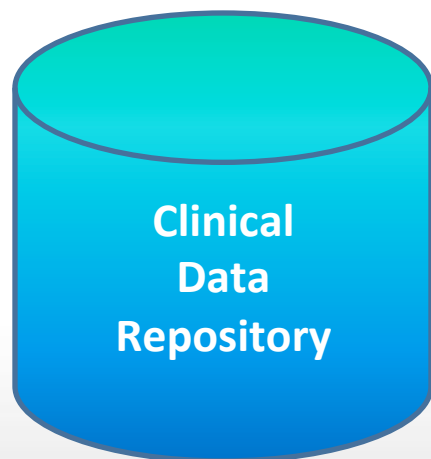
- Reveal's indexing technology provides Internet-like search speed and significantly **reduces standard search times from days to minutes!**
- Reveal's web-based interface and architecture scales easily across the enterprise and reduces training time

True Enterprise Search



- Search data, metadata or create advanced searches across clinical studies
- In various data types. (Search SAS programs, datasets, and Transport files (.XPT), Acrobat (.PDF), MSWord(.DOC), Excel (.XLS), Text files (.TXT), CSV files, HTML, Tab and delimited files and Folders)
- From SAS Drug Development (SDD)
- Future support for EDC, EDM and Statistical Computing Environment Repositories
- Conduct clinical, standards or administrative searches to insure compliance and consistency

Minimize Manual Search



- find data residing in different systems,
- find data with inconsistent standards, and across various compounds or studies.
- find data that was modified within certain timeframes
- confirm the use of standard directory structures

QC and Share data



- Spot-check data received from partners and/or CRO's,
- Prepare data for Integrated Summaries of Safety and Efficacy.
- Export Reveal data paths to analytics tools for further analysis

- Search Data to Answer Specific Safety Questions (e.g. Queries from FDA, etc.)
- Search Data to identify location of certain Adverse Event data
- Search Documents to identify studies that had a certain inclusion criteria

- Verify Data and Coding Standards compliance
- Identify where non-standard data and variables are used
- Find empty data sets, empty folders, missing columns

- Identify Objects updated within a certain timeframe
- Confirm use of standard directory structure

"Our informatics group was able to reduce the time to find the clinical information from days to minutes – allowing us to quickly answer critical questions and save our company time and money."



**Informatics Director,
Large Pharmaceutical Company**

Actual situation encountered by a Reveal customer.

Challenge:

- A large pharmaceutical company has a drug under review at the FDA. A spontaneous adverse event is reported and the company wants to know if similar events have occurred with other comparable approved drugs. The company has identified a dozen similar studies where they want to search for specific pathological terms, a task which is nearly impossible because the data is in different standards and formats.

Solution:

- With Reveal, the company can easily search for the specific terms and identify the files containing the clinical information they need. Within minutes they have access to the necessary data and can use their analytical tools to research the potential issue.

Return On Investment:

- Reduced time to find clinical information in unwieldy data repository from days to minutes - saving time and money - and significantly improving the ability to answer time-critical questions.

On-line Demonstration of Reveal

■ Reveal Server

- Windows 2003/2008 Server or Linux
- 8G+ of RAM
- Disk Space dependent on the amount of data indexed
- 4+ Cores
- Network Access to potential indexed content
- Authentication mechanism (ActiveDirectory, XML, SDD)

■ Components installed

- Java 1.6.*
- Tomcat Application Server
- Postgres Database
- Reveal webapp and config
- Index area and workspace
- SAS required to index .sas7bdat and .xpt files *
 - Local SAS/Base
 - Remote SAS/Base and Integration Technologies

- Multiple “Mount” points possible
 - Manages multiple logical indexes
- Integration
 - File system(s) – Windows, Unix/Linux (Samba)
 - SDD
 - Standard Database Schemas
 - LSH (future)
- Federated instances *

- Client can search the Reveal sample data on a d-Wise hosted Reveal environment
- Client data can be uploaded to the d-Wise environment and users can search their data via a d-Wise hosted Reveal environment
- d-Wise can install a Reveal instance at the client site on their hardware and allow access and search of client data

Reveal Roadmap

Search

Patient Search

Analytics Plug-Ins for
SAS JMP, Spotfire

WEB SERVICES API

reveal

STANDARDS ENGINE

SYNONYMS ENGINE

FILE TYPE PROCESSOR

metadata, SAS7BDAT, XLSX, DOCX, PDF, CSV, XML, XPT, HTML, SAS, TXT...

File Servers

SAS Drug
Development



- Reveal can be installed, hosted or delivered in a SaaS delivery model.

For SaaS delivery,

- Installation Fee and Hosting charges are determined by the amount of data being searched and the number of data sources

For Installed or d-Wise hosted delivery,

- License Fees are also determined by the amount of data and the number of data sources with additional Maintenance, Support and Hardware charges

Questions and Answers