

The aim of Project ImpACT (Important Achievements of Clinical Trials) is to identify and develop a comprehensive description of the most important randomized controlled trials performed in the fields of medicine and public health since 1948.

Project Investigators:
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The current portal exists as a database enabled dynamic web site: <http://www.projectimpact.info>

RITS Support for Project ImpACT

- Background and Expertise
- Methodologies
- Tools
- Implementation

Group, 8 years of team work

- Michael Fox, DBA and project leader
- Alla Guseynova, Database Architect/Project Leader
- Allan Grimm, Sr. Programmer/Analyst

<https://www.rig.onc.jhmi.edu>

Background and Expertise

- Project management
 - requirements analysis, functional specifications
- Database management
 - Oracle, Sybase, SQL Server
- Web Development
 - ColdFusion, SAS, JavaScript, HTML
- Systems administration
 - Windows 2000, XP, UNIX

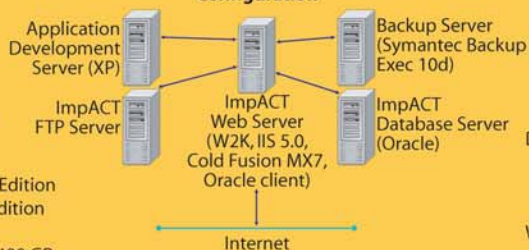
Tools

- Intel platform
- W2K, XP, Server 2003
- Oracle version 9i
- ColdFusion MX
- MS IIS 5.0, 6.0
- Adobe Flash, PDF

Security

- Servers in access controlled enterprise computer room
- Part of web site and data open to anyone worldwide
- Part of web site and data restricted by location and id/password
- Secured backups to disk and tape

Configuration



Server Configuration

- Database Server
- Xeon processor, 4GB RAM
 - Windows Server 2003 Web Edition
 - Oracle 9i DBMS, Standard Edition
 - Symantec Backup
 - RAID setup with hot spare, 400 GB
 - Tape backup server

Backup Configuration

- Database
- Batch scheduling of Oracle exports followed by FTP to another system
 - Symantec automated backups to tape server
- Web Server
- Batch scheduled backups to second disk
 - Backup to secondary web server
 - Symantec automated backups to tape server

Server Configuration

- Web Server
- Windows 2000 Server
 - Pentium 4, 2GB RAM
 - 160 GB disk space
 - Cold Fusion Enterprise MX version 7
 - Native Oracle connection
 - Oracle client software



Implementation

- Documents in PDF format
- Dynamic database-driven front end built with Cold Fusion and Flash
- Data in back end Oracle database
- Communication between front and back end via Cold Fusion
- Via the web site:
 - Nominations for trials are solicited
 - Authorized individuals annotate studies and communicate with one another
 - Publication of study design and results
 - Publication of study meta data

Methodologies

- Scalable, easy to use, multi-user application
- All web based, using any browser
- Full user control of all data

Universal 3-Tier Architecture

