IBM

The Institute for Information Industry employs a security-rich infrastructure to protect the privacy of genetic information.

Overview
Institute for Information Industry Taipei, Taiwan www.iii.org
Industry • Government
Products • IBM Life Sciences Clinical Genomics Solution • IBM WebSphere Process Server • IBM DB2 Enterprise 9 • IBM Tivoli software • IBM System p5 servers
IBM Business Partner • Tung-I Information Service Co.

財團法人資訊工業策進會
INSTITUTE FOR INFORMATION INDUSTRY

"The IBM solution offered the flexibility and scalability we need to quickly adapt to changing project require-ments and parameters."

—Belinda Chen, Ph.D.,
Institute for Information Industry

The Institute for Information Industry (III) is the government agency dedicated to supporting the development of the IT industry in Taiwan. It has six research and development (R&D) laboratories, which are focused on information systems, network and communications, multimedia technologies, embedded systems and e-commerce.

Challenge
Engaged to provide the IT infrastructure for a genetic database project, the Institute for Information Industry (III) encountered a number of problems. The project require-ments were neither clear nor determined, and a government regulation regarding privacy and genetic information had yet to be finalized. III sought a scalable IT system with the flexibility to meet its current and future needs.

Solution
IBM Business Partner Tung-I Information Service Co. implemented the IBM Life Sciences Clinical Genomics Solution, an integrated architecture that facilitates the identification and understanding of the molecular basis of disease. The genom-ics solution runs on a service-oriented architecture (SOA) environment supported by IBM WebSphere® Process Server software and is hosted on IBM System p5® 520Q Express – AIX® 5L Edition servers.

IBM DB2® Enterprise software provides a data repository for phenotype and gen-otype information, as well as data privacy and security technologies. IBM Tivoli® Access Manager for e-business software offers security-rich access control and single sign-on (SSO) support, and IBM Tivoli Storage Manager Extended Edition software acts as a data storage management platform.

Benefits
• Provides the flexibility and extendability needed to adapt to evolving user and expansion requirements

• Reduces development time by approximately 40 percent

• Delivers the first and second phases of the genetic database project within a tight timeframe

For more information

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