

Embracing the Cloud: How the Right Advice and Guidance Helped Takeda Create a Stable and Secure Platform for Scientific Computing

Challenge

Creating a Foundation for Future Cloud Projects within Businesses that Utilize an On-premise Compute Infrastructure

Takeda has embraced the Cloud (AWS) as a strategic platform for all facets of its business, including numerous R&D areas across the company.

However, embracing the Cloud while not significantly impacting the businesses that utilize an on-premise compute infrastructure, was a challenge. The company needed additional support resources and expertise to support the architecture, engineering, and operations to facilitate specialty computing, as well as superior execution to enable a foundation for future Cloud projects.

Solution

Expertise and Experience in Cloud R&D Computing

Takeda was in search of a partner that had specialty computing Cloud experience and could help the organization execute challenging projects for various scientific business groups within R&D. RCH Solutions was engaged to design, develop, and test integrated services in the public Cloud (AWS). Those projects included:

- **Architect and Implement** (systems and software engineering) an IT platform to serve as a small molecule registration system, including an associated data warehouse
- **Database Migration**, including the design, development and testing of integrated services in AWS for disparate database systems (MySQL, PostgreSQL, and Oracle RDBMS)
- **Support and Operations** of the Turbot (www.turbot.com) software platform
- **An Experienced Partner** for engineering or refining computing at scale, high-performance computing, and big data/analytics projects

RCH worked directly with the internal IT staff, research scientists, and application vendors to provide the optimum scalable solution for this highly visible, dynamic environment. The projects included important application testing from a variety of sources, a comprehensive plan, with clearly stated deliverables, and a fully accountable partner.



About Takeda:

Takeda is a patient-focused, innovation-driven global pharmaceutical company that builds on a distinguished 235-year history, aspiring to bring better health and a brighter future for people worldwide.

This case study outlines how RCH Solutions helped Takeda embrace the Cloud for its scientific computing needs without disrupting businesses reliant on on-prem solutions.



Results

A Stable and Strategic Cloud Platform of Choice

Takeda now has further stabilized the strategic Cloud platform of choice and successfully executed on several key projects for scientific computing. These platforms are now fully tested and ready for use in a production environment.

Takeda continues to deliver accurate and timely solutions for several demanding business units in support of scientific initiatives thanks in part to the proven partnership with RCH, one forged following the creation and management of their Cloud (AWS) environment.

About RCH Solutions

RCH Solutions (RCH) is a global provider of computational science expertise, and has helped Life Sciences and Healthcare companies of all sizes clear the path to discovery for three decades. Learn more at www.rchsolutions.com.

Not yet working with us?

Contact the RCH team to learn how we can support your advanced scientific computing and IT needs.
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