

Caché Success Story: Partners Healthcare

Rapid Development  
Scalability  
High Performance



## Partners HealthCare Relies On Caché And Ensemble For Critical Applications That Support 55,000 Users

Based in Boston, Partners HealthCare System is the largest integrated healthcare network in the northeast United States. It includes multiple major hospitals and more than 4,000 physicians.

“We began building applications using InterSystems’ database platform in 1994,” recalls CTO Steve Flammini. “Caché’s multi-dimensional data model is a logical fit for healthcare data that often can be extremely complex.” The Partners HealthCare IT staff has developed and deployed nearly 800 clinical and administrative applications using InterSystems’ Caché and Ensemble products, including:

- A “longitudinal medical record” that provides a single view of each patient’s clinical and demographic data drawn from systems throughout the Partners HealthCare network.
- A physicians’ order-entry system that resulted in a 17% reduction in adverse drug reactions throughout the hospital, saving as much as \$10 million annually when it was initially rolled out.
- A wireless electronic medication administration record system built on Caché that integrates six major enterprise applications and other systems, using Web services, to provide a closed medication management loop that eliminates adverse drug events and improves clinician productivity.

*“Caché has easily scaled to handle the expansion of our user population over the years.”*

Steve Flammini, CTO

Approximately 55,000 users access Caché-based information on a 24 x 7 basis. “We average 8,000 concurrent users on the system,” Flammini says. “The Caché transactional database engine has the power to handle even those heavy loads at a speed that satisfies an extremely demanding user base.” Flammini points to scalability as another critical

success factor for Partners HealthCare. “Caché has easily scaled to handle the expansion of our user population over the years,” he notes. Caché currently handles 26 billion database accesses per day on average, with peaks of more than 30 billion per day.

InterSystems Corporation

World Headquarters

One Memorial Drive

Cambridge, MA 02142-1356

Tel: +1.617.621.0600

Fax: +1.617.494.1631

[InterSystems.com](http://InterSystems.com)

