

J2EE Conversion Update



Benefits of J2EE

- ❑ Having eRA applications available in J2EE improves accessibility to the applications. This helps with Op/Divs expansion and allows users to access eRA applications from anywhere in general (work at home).
- ❑ No client installation required which saves IC technical staff time and support. This alleviates the need for ICs to manually install when we release new versions of applications or patches.
- ❑ Reduced maintenance work –moving all applications to J2EE and using eRA framework services potentially reduces the maintenance work. Maintenance will be concentrated on the J2EE applications and stored procedures. Our contractors will only have to maintain expertise in J2EE.
- ❑ Potential to increase reuse – having applications in J2EE allows more reuse on the framework services and shared components.
- ❑ Facilitate future initiatives – by converting all applications to J2EE, future architectural initiatives will not be limited by the existence of the client-server modules. For example, workflow and single sign-on.

Conversion Progress

- ❑ Grants Management and User Administration converted (March – August, 2004)
- ❑ Grants Management still undergoing eRA testing, Production Pilot (2 grants processed)
- ❑ User Administration in eRA testing

Using the Conversion Approach

- ❑ Conversion is the most cost-effective method for getting all applications to J2EE. Manually coding GM and UA in J2EE could not have been accomplished for same cost/time.
- ❑ If we chose manual coding approach instead of conversion, lack of documented requirements for client server applications makes it impossible to effectively communicate scope of work to developers. The requirements can be documented by reverse engineering but not quickly enough to meet our goal of having all applications in J2EE by end of 2005. No application documentation or requirements are needed for conversion.

Impact on Client Server Applications

- ❑ In order to meet schedule and resource goals for conversion and shutdown of client server versions, applications will be in “containment” during conversion (approx 5 months).
- ❑ Containment: Can you do your work without the change? If yes, any change request (bug fixes, enhancements, etc.) received for client server applications during this timeframe will not be implemented in the client server application. Changes will be made to the J2EE version at the end of conversion.
- ❑ The conversion process is specifically to convert an existing Production application from client server to J2EE. The assumption made for this conversion is that no changes at all will be made to the client server application during the conversion process. The assumption we have made is that people are accomplishing their work with these applications, and the only constraint that could happen is a policy change. We are asking that policy decisions during this time frame reflect this decision to contain enhancement of existing client server applications.

Conversion Schedule

- GUM, Subprojects, ICO, ICSTORE, Review, Committee Management converted (in containment) from October, 2004 through February, 2005
- Crisp Plus, Population Tracking, SITS, Trainee Activities and Receipt & Referral converted (in containment) from January through May, 2005
- *QuickView and IQR not being converted.*

User Involvement

User input is valuable during this conversion. Between one and three volunteer users for each application are needed. Users may spend an average of 1.5 days/12 hours per week (more time during analysis, design and testing and less time during conversion).

Users can assist in the following areas:

- ❑ during analysis and design phase to refine user interface, menu structure of J2EE application, page layout
- ❑ review test plans
- ❑ as a resource in answering questions from developers about the application, especially those related to business logic
- ❑ testing J2EE version of the application

Conversion End Goals

- ❑ ICO, GUM, Subprojects, ICSTORE, Review, CM in Production Pilot by May 28, 2005
- ❑ R&R, TA, SITS, Crisp Plus, Pop Tracking in Production Pilot by September 1, 2005
- ❑ All Client Server applications retired by January 1, 2006