

Weekly Project Status

FCCJ - ORION II

Date: 9/23/2003

Project Manager: Julie Rowe

Project Team:	Robert Scott	Sr Programmer Analyst / Backup PM
	Bob St. Leger	Sr Systems Engineer
	Patrick Grayson	Sr Programmer Analyst
	Dave Gahrng	Sr Programmer Analyst

Project Scope

Software AG Professional Services, in cooperation with FCCJ IT staff, are in the process of migrating the FCCJ ORION application (site-specific version of the FCCSC Integrow application) from the current VM/VSE platform to a Sun Solaris UNIX environment. Web Services will be developed to expose all ORION functions to the Internet. A replacement solution will be developed for Treehouse products tRelational and DPS to support the newly developed user reporting function.

A methodology will also be delivered to provide a seamless process for accepting new versions of the FCCSC Integrow application and migrating the updates to the Unix platform.

Tasks Completed

- Demo of Secure Shell Terminal Emulation for end users
- Meeting to discuss legacy (Cobol) systems and data
- Completed draft for migration/replacement of legacy (Cobol) systems and data
- Continued correcting/modifying Natural code and addressing Natural Security and DDM renumbering issues
- Continued research and development of AdaProp, replacement solution for tRelational/DPS
- Successfully tested cursor positioning functionality after re-gen of Construct-ed modules
- Provided Terminal Emulation requirements, from end user demo, to Paul for possible RFI

- Turned over non-Adabas file inventory to Paul to coordinate completion with FCCJ staff
- Generated 2 Change Requests and 2 Acceptance forms
- Provided initial list of ORION functions for Web Services estimate
- Converted IMAGEREC VSAM file to Adabas on the MF
- Began semi-manual Predict migration
- Continued JCL analysis, researched issues, began coding conversion routines
- Continued online Unit Testing

Tasks Planned

- Complete Predict migration
- Continue gathering info for the external interface inventory
- Migrate IMAGEREC Adabas file to Unix
- Begin migrating Cobol code to Unix
- Continue JCL analysis, research issues and coding of conversion routine
- Continue development of AdaProp
- Continue correcting/modifying Natural code
- Online Unit Testing

Follow-ups

Description	Assigned	Requested By	Closed	Owner
Are there any additional Cobol routines outside of the Wolffpack system which need migrated to Unix JR – total of 34 routines identified to date 8/29	Paul Freeman / Ed Gonzalez	8/19/03		Patrick Grayson / Julie Rowe
Need Cobol compiler JR – PO prepared and ready to be sent, MicroFocus Cobol selected JR – some confusion has arisen over this procurement, need clarification from Paul and estimate for delivery	Paul Freeman	8/29/03		Julie Rowe
Need SyncSort software JR – software onsite 8/19/03, given to Don Harris for install	Paul Freeman / Don Harris	8/18/03		Julie Rowe

JR – installation delayed by Don Harris until Cobol compiler is received				
Need to define printers to Unix	Don Harris	10/30/03		Julie Rowe
Need to define users to Unix JR – SAG will provide document for recommended security definitions by 9/21	Don Harris / Julie Rowe	10/30/03		Julie Rowe
Meeting with users to discuss System Test Plan JR – Paul met with users the week of 8/11 and is collecting test info from each group JR – Julie will create a Change Request to assign Test Plan responsibility to FCCJ	Paul Freeman	8/22/03	8/23/03	Julie Rowe
Tape/Disk Management procedures discussion / standards for ORION II work files JR – E12K currently has DLT attached, interface inventory will determine if other devices or services are required for tape. All Work files will go to a single directory to be identified in the standards document	Bob St. Leger / Don Harris	9/12/03		Julie Rowe
FCCJ staff to complete file inventory list sorted by high-level qualifier	Paul Freeman / FCCJ staff	9/19/03		Patrick Grayson
Unable to connect to SAG via Nortel VPN from Martin Center office JR – contacted SAG help desk 8/27 and requested they contact Ron Smith JR – will setup con call with Help Desk week of 9/15 JR – dialog ongoing between SAG and Ron Smith	Don Harris / Ron Smith	8/29/03		Julie Rowe
Develop Web Services estimate for SAG to perform the full suite of tasks	Julie Rowe	9/17/03		Julie Rowe

JR – List of ORION functions provided, estimate document now planned for 9/30				
Need to determine if Touch Tone/EPOS system will be implemented on Unix JR – Paul evaluating statistics, plan is to eliminate system by January 2004 and not migrate to Unix JR – Task team setup to further evaluate	Paul Freeman	10/30/03		Julie Rowe
Need to add technical section to ORION II website	Chrystal Wickline / Rob Rennie	9/26/03		Julie Rowe
Need to test Adabas option to perform OS level backup	Bob St. Leger / Don Harris	10/30/03		Julie Rowe
Need to obtain ADASAV layout / internals info JR – contact initiated between SAGD and project team	Julie Rowe / Dave Gahring	9/23/03		Julie Rowe
Need plan for software distribution (Terminal Emulation)	Don Harris	10/30/03		Julie Rowe / Bob St. Leger

Issues

Description	Assigned	Opened	Closed	Owner
Log #519192, waiting on fix from SAG R&D, inappropriate NAT0431 errors, this affects approximately 40 modules JR – Rob checking to see when PL will be released with fix	Denver support / Germany	7/29/03		Rob Scott
Terminal emulation colors are not showing up correctly or vary from MF 3279 colors JR – Paul to setup meeting with users to demo colors JR – demo provided, Bob working on script to add CD attribute to maps, re-	Bob St. Leger / Paul Freeman	8/19/03		Julie Rowe / Paul Freeman

gen of Construct opens cursor positioning. Will schedule another demo once these items have been implemented. Paul may send out RFI to evaluate other products.				
Sequential files that contain packed /binary fields require multi-step conversion and data layouts for migration to Unix	Patrick Grayson / Bob St. Leger	8/19/03		Patrick Grayson
Natural Advanced Facilities used for printing on the mainframe, several FCCSC utility modules call NATAF directly, need to research further and address replacing this functionality on Unix	Rob Scott / Patrick Grayson	9/15/03		Rob Scott
A few FCCSC modules read Predict system files, need to determine if needed as system file layouts are different	Rob Scott	8/20/03		Rob Scott
Wolffpack Adabas files have alpha fields which contain binary data, this will increase estimates for migration of Wolffpack Adabas data	Bob St. Leger	9/1/03		Julie Rowe
Two FUSER's are defined in Natural Security steplibs, what is the reason for this? We have to manually modify these definitions unless there is a need/reason to create another FUSER. Are we missing some libraries?	Bob St. Leger	9/15/03		Julie Rowe
Wolffpack uses custom Construct models/frames that are not distributed to the consortium. We need to obtain these models/frames to re-gen code.	Paul Freeman	9/23/03		Julie Rowe

Change Requests

CR #	Description	CR Approved	Assigned	Completed
FCR001	Create duplicate MF menu screen on Unix			
FCR002	Assign System Test Plan to FCCJ			
FCR003	Increase Technical Project Manager hours			

Deliverable Status / Acceptance Criteria

Task	Acceptance Criteria	Estimated Delivery Date	Delivery Date	Acceptance Date
Pre-Project Setup <ul style="list-style-type: none"> Procure Hardware (3rd party products will be defined at a later date) Install/Configure operating system Identify team members Acquire/Install/Configure 3rd-party products (3rd party products will be defined at a later date) 	N/a	N/a	N/a	N/a
Project Kickoff <ul style="list-style-type: none"> Project Plan confirmation Assign Roles/Responsibilities Define standards 	<ul style="list-style-type: none"> Delivery of Project Kickoff meeting, accepted upon delivery 	7/29/03	7/29/03	7/29/03
Unix Mentoring <ul style="list-style-type: none"> Provide hands-on Unix education, including basic scripting, use in the Natural environment and follow-up mentoring as necessary 	<ul style="list-style-type: none"> Delivery of document describing mentoring sessions, agreed upon by Software AG and FCCJ Delivery of mentoring defined in document above Accepted upon delivery 	2 days delivered via separate contract. Estimate for remaining 3 days pending FCCJ request.		
Evaluate customized Adabas User Exits and develop replacement solutions (Assembler) <ul style="list-style-type: none"> Identify User Exits in use Develop plan to replace or eliminate customized User Exits Create new User Exits 	<ul style="list-style-type: none"> Delivery of document describing Adabas User Exits in use, identifying all to be replaced Delivery of functional replacement of each Adabas User Exit defined in document above Accepted upon delivery 	Date TBD based upon response to question concerning use of Adabas User Exits.		
Evaluate tRelational/DPS solution and develop architecture for replacement solution	<ul style="list-style-type: none"> Delivery of architecture document for replacement 	Architecture document delivered 9/9/03		

<ul style="list-style-type: none"> Analyze use of tRelational/DPS usage Develop new architecture to replace solution Develop solution framework Implement one instance of the new solution 	<p>solution agreed upon by Software AG and FCCJ and that meets the minimum needs described in this SOW</p> <ul style="list-style-type: none"> Implementation in Production of one (1) instance of the replacement solution defined above 	<p>Solution delivery planned for 10/17/2003</p>		
<p>Evaluate VSAM usage and archive or convert data</p> <ul style="list-style-type: none"> Analyze use of VSAM Develop plan to convert VSAM files and modify programs using them Execute plan 	<ul style="list-style-type: none"> Delivery of spreadsheet listing all VSAM files in use, identifying all to be migrated, converted to text, or converted to Adabas Delivery of plan document for performing the migration and modifying Natural code to access appropriately 	<p>Inventory and Migration plan documents planned for 9/19/2003</p>		
<p>Evaluate use of Tape data and/or Workfile data</p> <ul style="list-style-type: none"> Analyze use of other data sources Develop plan to archive or convert data Execute plan 	<ul style="list-style-type: none"> Delivery of spreadsheet listing all Tape and/or Workfile data in use, identifying all to be migrated, Delivery of plan document for performing the migration 	<p>Inventory and Migration plan document planned for 9/26/2003</p>		
<p>Status Reporting/Meeting</p> <ul style="list-style-type: none"> Prepare status reports Attend status meeting 	<ul style="list-style-type: none"> Delivery of weekly status reports delivered to FCCJ Project Manager, accepted upon delivery 	<p>ongoing</p>		<p>As delivered</p>
<p>Setup security</p> <ul style="list-style-type: none"> Establish all applicable security to accomplish re-hosting effort (Unix, MF, Natural/Adabas, FTP) 	<ul style="list-style-type: none"> Delivery of document listing resources and type and level of security required during the re-hosting project Delivery of document describing Unix security 	<p>Security for project team established, document to be provided by 8/29</p> <p>9/22/2003 (for user requirements)</p>		

	requirements for Adabas/Natural users			
Establish Procedures <ul style="list-style-type: none"> • Backup/Recovery • Print Management • Version Control • Batch scripting standards 	<ul style="list-style-type: none"> • Delivery of technical discussions and mediation on the procedures topics listed, accepted upon delivery 	Ongoing		As delivered
System Test Plan <ul style="list-style-type: none"> • Define the scope and method of System Testing for online and batch. This includes scope of data to be tested and validated, length of testing, parallel testing, batch cycle testing, etc. 	<ul style="list-style-type: none"> • Delivery of Systems Test Plan document 	This is subject to a change request, FCR002, and will be assigned to FCCJ		
Implementation Plan <ul style="list-style-type: none"> • Define steps to be taken in prior to and during production cutover. This includes details on timing, training, contingencies, etc. 	<ul style="list-style-type: none"> • Delivery of Implementation Plan document 	11/28/2003		
Install/Configure Software AG products in Production, Test, and Development <ul style="list-style-type: none"> • Adabas • Natural • Natural Security • Predict • Natural Construct • EntireX 	<ul style="list-style-type: none"> • Visual inspection of defined Products running in Development, Test and Production 	9/10/2003 (for Acceptance) 10/8/2003 (for Prod)	8/22/2003 (for Test)	
Re-host Natural Modules <ul style="list-style-type: none"> • Migrate, catalog and unit test approximately 21000 Natural modules as identified prior to project initiation 	<ul style="list-style-type: none"> • Successful catabolism of Natural modules within the libraries defined in this SOW 	9/26/2003, pending PL fix from Denver for NAT0431		
Re-host Adabas data <ul style="list-style-type: none"> • Migrate and convert physical Adabas files as identified prior to project initiation (this task may occur multiple times pending definition of System Test Plan) 	<ul style="list-style-type: none"> • Delivery of comparable ADAREP's from the source and target environments • Visual inspection of data 	9/19/2003 (for System Test data)	8/5/2003 (for Unit Test data)	
Convert Natural Security data	<ul style="list-style-type: none"> • Visual inspection of Natural Security 	10/3/2003 Basic data		

<ul style="list-style-type: none"> Migrate and convert Natural Security data stored in the Production, Test and Development databases 	<p>data from the source and target environments</p>	<p>migrated, manual corrections must be made for file links</p>		
<p>Convert Predict data</p> <ul style="list-style-type: none"> Consistency Check Migrate Predict data 	<ul style="list-style-type: none"> Visual inspection of Predict data from the source and target environments 	<p>9/26/2003 pending fix from Denver or manual migration of individual metadata types</p>		
<p>Re-host JCL and develop Job Submission system</p> <ul style="list-style-type: none"> Migrate and convert approximately 2000 production batch jobs Develop online Job Submission system in Natural 	<ul style="list-style-type: none"> Delivery of an inventory document listing all JCL to be migrated Delivery of Unix scripts to replace JCL defined above 	<p>10/10/2003</p>		
<p>Web Services</p> <ul style="list-style-type: none"> Provide Technical support in the use of the appropriate EntireX wrapper technology Develop Web Services 	<ul style="list-style-type: none"> Delivery of technical guidance and mentoring on the use of EntireX wrapper technology, accepted upon delivery Delivery of a plan document for developing Web Services for Orion functions (to be selected by FCCJ) 	<p>10/3/2003, pending CR for SAG to perform all Web Services work, this will alter the scope of this task</p>		
<p>System Test Online</p> <ul style="list-style-type: none"> In accordance with established test plan 	<ul style="list-style-type: none"> Delivery of technical support and problem resolution during System Online testing, accepted upon delivery 	<p>3/1/2004</p>		
<p>System Test Batch</p> <ul style="list-style-type: none"> In accordance with established test plan 	<ul style="list-style-type: none"> Delivery of technical support and problem resolution during System Batch testing, accepted upon delivery 	<p>3/1/2004</p>		
<p>Production Implementation</p> <ul style="list-style-type: none"> Migrate data Shutdown MF access Migrate Natural modules 	<ul style="list-style-type: none"> Delivery of 24x7 technical support for implementation tasks as defined in the implementation plan above, 	<p>3/22/2004</p>		

<ul style="list-style-type: none"> • Install/Configure Terminal Emulation 	<p>accepted upon delivery</p>			
<p>Post-Implementation Support</p> <ul style="list-style-type: none"> • Offsite post-implementation technical support 	<ul style="list-style-type: none"> • Delivery of up to 160 hours of post-implementation technical support specific to tasks defined in this SOW, accepted as worked 	<p>4/23/2004</p>		