

Status Report August 2004

NOAA Forge/CasaNOSA

Our newest team member, Marty Bennertz (OHD), has been busy getting the rax software organized into a configuration management system called Subversion. This repository will be accessible via NOAA's web-based project collaboration tool, CasaNOSA. This will provide a much-needed level of organization and structure that has not previously existed and will make access to code much easier for this field based support team. Users of CasaNOSA will have to apply for access to the system and the specific project. Marty is working on documentation that describes the set-up and how to access it.

OB4 Shefdecoder Testing

In other news, in early August ABRFC, which has reported an extreme slowness issue with the ax system in general, volunteered to take a look at the source code of the raw and processed shefdecoders to see if the applications were contributing to the slowness issue. Due to their diligent efforts, they discovered the raw shefdecoder had a few very inefficient queries that were doing sequential search of the location table. The code was modified, and initial test results show that these changes have significantly improved the performance of the raw shefdecoder at their office. If everything checks out in further testing, the changes will be incorporated into the OB5 shefdecoders.

OB5 Plans

Here is what the RAXUM team will be tackling for the OB5 delivery due in early November 2004. In addition, the team is also getting programming assistance on selected applications from personnel at CBRFC, ABRFC, NERFC and OHD/HL/HSEB. MARFC is also providing assistance in some of the database changes.

A. Existing Software Enhancements/Bug Fixes

- adbinit suite – apps for ingestfilter table
- bkup_lev0
- check_oricessed_decoder
- check_raw_decoder
- datview
- dcextract
- display_rc
- flatfile viewer
- library file rat_lib.tcl
- process_stage
- purge_files script
- shef_decode_pro
- shef_decode_raw
- update_stats script

B. New Applications/Scripts

- archive system version of operational xnav apps “arcnv”
- script to bounce Informix engine
- log_stats.tcl

C. System Changes

- additions to adb_oper_crons file
- system patch for Informix so “set explain on”sql works
- change to Informix onconfig file so that IDS doesn’t attempt to run onbar command
- use linux command, logrotate, to rotating selected logfiles, in particular the Informix online.log file

D. DB changes

- modify rating table
- merge rivercrit and riverstat into single table called rivercrit
- 2 new tables for CONTAPI model information
- new table similar to IHFS DB table adjustfactor
- change lock mode from page to row on several tables
- new isql forms for selected tables

E. FlatFiles Directory Change

- Merge graphics into the images subdirectory... the difference between the 2 is too subtle and more than one RFC finds it confusing.

F. Beyond the RAXUM Team

- Nat’l river verification software needs to take into change to rivercrit/riverstat tables mentioned above