

STATUS REPORT - October, November & December 2007

Rax Problems

In early to mid December both SERFC and NCRFC suffered hardware failures. SERFC is now back up, but is still checking out the system to make sure everything is actually working as it should. NCRFC is still out of action as of Dec. 31, 2007.

RAX Hardware Refresh

The latest information is as follows. The hardware is due to be replaced and the project is a form/fit/function replacement of existing servers. The OAT (Operational Acceptance Test) at selected RFCs (tentatively NWRFC and LMRFC) is scheduled to begin in late January/early February. Full deployment is expected to begin May 1, 2008 and to be completed by July 20, 2008.

In addition, a couple of steps have been taken to help alleviate the problems currently experienced with inadequate spares. One additional spare will be placed at NLSC (bringing the total to 3), and the WFO/RFC systems are essentially identical except for a few hardware options. This will allow for some flexibility in the event that the 3 spares are being used.

OSIP/HOSIP Project: RFC Archive Server Technology Refresh Initiative

The HOSIP Stage 1 Statement of Need (SON), and draft OSIP Project Plan, for these OSIP/HOSIP projects have been completed. The SON document was submitted for Gate 1 review in late October and approved by the Gate Keeper, Jon Roe.

The SON and Project Plan have been submitted for OSIP Gate1 review and approval. The OSIP calls for this project have been scheduled for January 2008. The IWT lead is Juliann Meyer and the sponsor is Donna Page.

HOSIP Project: Synchronize RFC Archive DB & IHFS DB Metadata

The applications, run_raxdb_sync and start_raxbase, for this HOSIP project will be checked-in in early January and will be part of the ob8.3 delivery. Testing by APRFC and MBRFC was performed as features and options became available.

RAX Discrepancy Reports

The following bug fixes will be part of the ob8.3 delivery:

DR#18795 *OB7.2: Fatal DatView Editor Error*
DR#18797 *OB7.2: The RFC Archiver SHEF Ref Tables Need Updating*
DR#18798 *OB7.2: RFC Archiver Shefdecoder Incorrectly Testing
Data Limits*
DR#18800 *OB7.2: OFSSHEF Program Mishandling Missing Data*
DR#18870 *OB7.2: DatView Will Not Display More Than Four Years
of Stage Data*
DR#18921 *OB7.2: OFSSHEF Not Correctly Calculating Flow in CMS*
DR#18949 *OB7.2: No PostgreSQL log file on RFC Archive Server*

RAX Small Enhancements

The following small Enhancement request will be part of the ob8.3 delivery:

DR #18810 *Small Enhancement - Inclusion of Tide Data into the
Archive DB and Verification*

User Documentation

The RAXUM team is in the process of identifying which sections of user documentation will need to be updated for builds ob8.2 and ob8.3.

The sections impacted by ob8.2 changes should be available by the end of January, these sections are:

- A-1 Summary
- A-4 Getting Started
- C-1 Database Tables by Category
- Appendix A - Database Schema
- Appendix D - Database Table Dictionary
- Appendix G - Database Column Look-up Table
- Appendix H - Overview of Quality Control Tools/Features

The sections for ob8.3 should be available later this spring. The sections identified so far are:

- A-1 Summary
- A-4 Getting Started
- C-1 Database Tables by Category
- C-2 Naming convention for the SHEF data value tables
- C-3 Table structure for selected tables
- F-1 shef_decode_raw
- G-5 ofsshef

J-2 DatView

Appendix A - Database Schema

Appendix D - Database Table Dictionary

Appendix G - Database Column Look-up Table.

New sections in ob8.3 will be:

E-2 run_raxdb_sync (IHFS DB -> RAX DB Synchronization)

J-6 start_raxbase