STATUS REPORT - April 2007

RAX replacement

AWIPS is currently working on specifying a hardware refresh for the RAX systems (and AX at the WFOs). The AWIPS hardware refresh program uses primarily a "sustaining engineering" approach, which specifies a form, fit, function replacement. It does not go out and gather new requirements for the systems.

The specs for the RFC system are:

HP ProLiant ML35o G5 SFF SAS Tower Server includes:

- 416890-L21, Dual Core Intel^® Xeon® 5150 (2.66GHz, 1333 FSB) Processor
- 397409-B21, 1 GB Fully Buffered DIMM PC2-5300 2X512 Memory
- 405102-B21, 64MB cache upgrade for E200i
- 431958-B21, 146GB Hot Plug 2.5 SAS 10,000 rpm Hard Drive, qty 6 each
- 383974-B21, DVD+RW 16X Drive ...Multimode

Q1522B, DAT 72 (Half Height, 36GB)

The new system should be delivered sometime in the next year, a more definite date is not yet known but we will keep you updated.

And yes, it's disappointing that the new RAX will still only have 1gb of memory, but efforts are underway to upgrade the system with more memory.

In coordination with the RFC Support Group, the team will be making recommendations on how the replacement system should be partitioned.

DR#18722 Daylight Savings Time & the SHEF decoders

Back in March, on or about March 8, 2007, new executables for shef_decode_raw and shef_decode_pro should have been placed on your RAX in /rfc_arc/bin. These executables take into account the new dates for Daylight Savings Time. It has come to the attention of the team and the RFC Support Group that one or two offices may not have received these executables. If your office had a recent hardware failure, your office may not have been given the new executables during the restore process. Please check the files sizes for these two executables, they should be:

shef_decode_raw 1733945
shef_decode_pro 1256567

If one or both files are the incorrect size, then your office has the old executables, and you should contact the RFC Support Group.

Postgres ob7.2 raw shefdecoder posting performance

Still no significant progress on finding a consist method that works "everywhere" to improve the performance on the existing hardware. Feel free to contact, Juliann Meyer if you would like to discuss the options that have been examined and tested.

As a reminder, remember that the apps log_stats.tcl will allow you to get a feel of the posting performance your site. The on-line documentation can be found at: http://www.nws.noaa.gov/oh/rfcdev/docs/M5_logstatsOB72.pdf

RAX Discrepancy Reports

Here is a list of the currently open RAX DRs. Additional information on these DRs can be found at: http://sec.noaa3.awips.noaa.gov/dr_display/index.html

DR#	Date Submitted	Title
18795	3/21/2007	OB7.2: Fatal DatView Editor Error
18797	3/21/2007	OB7.2: The RFC Archiver SHEF Ref Tables Need Updating
18798	3/21/2007	OB7.2: RFC Archiver Shefdecoder Incorrectly Testing Data Limits
18800	3/21/2007	OB7.2: OFSSHEF Program Mishandling Missing Data
18870	4/3/2007	OB7.2: DatView Will Not Display More Than Fours Years of Stage Data
18921	4/16/2007	OB7.2: ofsshef Not Correctly Calculating Flow in CMS
18949	4/23/2007	OB7.2: No PostagreSQL log file on RFC Archive Server

RAX Small Enhancements

There is currently one Small Enhancements request, it is DR #18810 submitted 3/22/2007 entitled: "Small Enhancement: Inclusion of Tide Data into the Archive DB and Verification". The decision for which build should be made in May.