



NACC Software AG Products Update

CSC - John Thornberry

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Topics for Discussion



- Product Issues
 - SAG Product Upgrade
 - OS390 Notes
 - BRIO/ADABAS Overview (Steve Chapman)
 - Miscellaneous Information
- Final Comments



Product List



Core Products

- ADABAS 6.2.1
- Natural 2.2.8++
- Predict 3.4.1
- Entire Network 5.5.1

Optional Products

- Supernatural 3.1.5
- PAC 2.1.2
- Review 4.1.2
- Natural Advanced Facility 2.2.8
- Entire Broker 2.1.1
- Entire Connection 4.1.2
- Native SQL 1.6.2
- ADABAS Transfer 5.1
- Connect 3.2.2
- Natural VSAM 2.3.2
- APPC (Entire X) 4.2.1
- APAS/Insight (Non-SAG) 3.4.1
- Trim (Not SAG) 6.1.0
- Construct 4.1.1



SAG Product Upgrade



- Upgrade Plan (Based on Availability of software & OS390 schedule)
 - June 2000
 - (NACC) Product Mix Selected & Initial Testing Started
 - Made available to centers but with understanding it may change
 - July - August 2000
 - DBA Level Testing (both system and application level)
 - August - October
 - SESAAS & Other selected Application Testing Performed
 - Initial Report in September DBA/AWG Vits
 - Final Report in October Vits, alternative plans discussed if needed
 - November 2000 - January 2001
 - Center Application Testing Performed
 - February/March 2001
 - Implementation



SAG Product Upgrade



- Product Mix
 - Attached Excel Spreadsheet (Updated Product Expiration Dates)
- Distribution of Products
 - Documentation Issue
 - NACC Web Site
 - Copy of CD for each site
 - SAG Web Site (Quest)
 - Hard-copy (Some products still are in hard-copy)
 - NACC/SESAAS will provide to each site
 - Product tape access and tape report (Word or faxed copy)
 - JCL used to load tapes (DSN placed it in Transient Storage Pool)
 - Documentation
 - Testing results via Vits, Emails, etc.

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OS390 Notes



- **UNIT=DRTAPE Issue**

- **The Problem:**

- Some centers using daily and/or weekly database backups for DR recovery. When using 3480 or 3490 tape drive architecture this worked fine and even saved tapes but now using the 9840 tape drives for ALL DR backups, a change is necessary. In some cases daily and weekly database backups are kept for weeks or even months but only the current backup is rotated through the DR vault for DR recovery purposes. The high-speed, high-capacity 9840 tape drives and media need to be utilized only to support DR backup requirements. DR requirements can typically be handled by having 1 or 2 copies in the vault.



OS390 Notes



- UNIT=DRTAPE Issue (continued)

- The Solution:

- Modify current backup JCL to create a separate DR backup. This backup is created for DR purposes only and keeps 2 generations, both in the DR vault. This would only require 2 tapes for each database requiring a DR backup, as a single 9840 will hold any database backup.
- Backup JCL is modified by adding:
 - **//DDUAL1 DD DSN=**
 - **TWOCOPIES** Parm to the **DDKARTE** Control statement, Ex:
 - **ADASV SAVE DRIVES=1,BUFNO=2,TWOCOPIES**
- Performance Impact
 - There should only be a slight increase in elapsed run times when adding an additional output DD to ADABAS backups but should be gained back when the workload is converted to 9840.



OS390 Notes



- UNIT=DRTAPE Issue (continued)
 - The Solution (Continued):
 - ENFORCEMENT
 - Due to the cost of 9840 media we will only keep enough tapes to support the DR requirement with minimal overhead. In order to prevent unexpected overuse or shortages of this limited resource we will be limiting the use of UNIT=DRTAPE in JCL utilizing SMS code to check for authorized job names and data set names which have been authorized by the centers to use their 9840 tape subpool.



OS390 Notes



- UNIT=DRTAPE Issue (continued)

- Summary:

- DR backups should now create a unique backup, (separate from local recovery backups which should reside on virtual tape). This backup should be used for DR recovery purposes only and should only be retained (versions, EXPDT, etc.) only as required for DR. This backup and only this backup should use UNIT=DRTAPE in the output DD.
- Every center is unique and we will work with you to build a solution that fits your needs.
- We need to get the database DR workloads converted by July 30. This was supposed to have been discussed at various TIM's this past month.



BRIO/ADABAS Interface



- Update from Steve Chapman



Miscellaneous Information



- Entire X Licensing Issue
 - NASA is only licensed to have Entire X on the OS/390 platform. The other centers can not load Entire X on UNIX or NT machines at the centers. They can only load the SDK.
 - Natural Optimizer 2.3 Issue
 - Compatible with Natural 2.3, different version with each version of the Natural software
- PAC 214 Conversion
 - Status



Miscellaneous Information



- Natural User's Conference
 - Updated descriptions of presentations are at:
 - www.wizinc.com
- SAG Class Update
 - ADABAS/Natural/EntireX/SAGVista
 - Number of possible attendee's needed



Miscellaneous Information



- ADABAS 621 Early Warnings
 - Early Warning 15
 - U024abend dump during autorestart (seldom case if several workblocks got the same time-stamp).
 - Solution is to apply zap AN21290
 - NOTE: Prereq zap AN21276 was included in Early Warning ADA621-014
 - Early Warning 14
 - A U024abend dump occurred during autorestart, after a system crash, which happened after the nucleus was switched back to READONLY=NO.
 - Solution is to apply zap AN21276



Final Comments



- Questions/Concerns/Issues ???
- 2000 Vits Schedule (10 - 11am CST)
 - 7/18
 - 8/15
 - 9/26
 - 10/24
 - 11/21
 - 12/19