Central Michigan University’s Upgrade to Enterprise (4.7)

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Agenda

• Central Michigan University
• Reasons for upgrading
• Timelines
• Landscape
• Technical overview
• Functional overview
• Authorizations
• User reactions
• Training
• Beyond the upgrade
Central Michigan University

- Revenues approximately $240 million
- 2 Campuses
- 6 Colleges
- 35 Departments/Schools
- 26 Degree Programs
- Fall 2003 enrollment 26,000
- 7,200 employees including students
- 10,000 W-2s
6 bargaining units
1 non bargaining
Physical Plant
   - 36 Principal Buildings
   - 836 Acres
   - 9,576 parking spaces
Residence hall capacity 5,270
Apartments – 536 units
Reasons for Upgrading

• Maintenance expires December 2003
  – CMU would incur additional costs if we chose to purchase an additional year
• Decided to begin implementing 4.71 release of CM (Campus Management) We need to be at the current release
• Scheduled to go live first weekend, June 2003
Project Timelines

• Upgrade of Research
  – January-February 2003
  – Cycle testing February/March
  – DV3 April 2003
  – Staging April
  – May have users perform cycle testing/training
Technical

• Windows 2000
• SQL 2000
• Compaq
  – Database server DL760 2 meg memory
  – 4 application servers
    • 2 dialog
    • 2 batch only
      • Each has 2 meg memory
• Must install 6.20 GUI
  – Must uninstall prior to installing
R/3 Enterprise

SAP R/3 Enterprise Extensions
- SCM
- FIN
- PLM
- HR
- Travel

SAP R/3 Enterprise Core
- MM
- PP
- WM
- SD
- CO
- AA
- FI
- HR
- QM
- PM
- PS

SAP Web Application Server

R/3 Enterprise
Technical

• Prepare job which runs prior to upgrade, tells you what needs to be done to the system before you run the upgrade
  – Unfinished incremental conversion from previous upgrade (3.0F to 4.5B) needed to be deleted
  – Transports must be all the way through the system to production
• BDC sessions must be cleaned up.
• All regularly scheduled jobs must be stopped both within R/3 and at the NT level.
• Installation upgrade manual is “pretty good”. Still requires careful reading in advance.
• Required to use java based GUI. In the past we had to perform jobs from the command level.
Technical

• SQL – LDC (long data conversion)
  • Long data type, takes image files and long binary fields and converts them to a variable binary. Goes through every table in the database looking for particular data types and converts them one by one.
  • Make sure there is plenty of log space
  • CMU has a 50 Gig database, needed 10 gig of log space to run conversion.
  • Takes 9-10 hours to run
  • Must be run in 4.5B prior to upgrade
Technical

• Based on statistics
  – 22 hours of run time
  – Does not include time when job needs to have something done
  – Does not include situations where a job runs and stops because other processes must be run

• Hardware
  – Needs to be upgraded
  – Enterprise much larger and more complex, needs more processing capability
Extensions

- EA-PS included
- EA-FINSERV included
- Travel – extension was automatically turned on during the upgrade
  – May be because we are using travel
Human Resources

• Must run conversion program to convert payroll results

• H99U_CONVERSION_4.6C.
  – Ran 12 hours
    • Has scheduler job H99_conversion_scheduler.

• A number of new reports for MDT
  – Education report (degrees held)
  – Qualification (skills)
Human Resources

- Difficulties with MDT connecting properly to Excel and Word if you have XP
- Cobra – invoice processing (standard) appears to be broken
- Security not as challenging as 4.5B
- CMU has one mod for fast entry of Time
Financial

• Configure enjoy screens (applies to 4.6C and up)
• SAPF180 posting date problems, need to apply note 5886613
• Individual user can define a default document type other than what was configured via FB00. Applies to 4.6
• All user defined line layouts are accessible in 4.7
Funds Management

- Turn on extension
• Turn on flag using blank funds
• New Derivation tool
  – Select predefined rules or create your own
  – Run RFMXPR47 which converts FMZUGR, FMZUKA and FMZUOB to new derivation tool
FM (continued)

• Run RFCNVTP if using earmarked funds
• Field FIPOS renamed to FIPEX
  – All report painters need to be changed
• Report painters defaulted to new graphical display. Changed to classic to minimize impact
• Have to turn on the switch for FM-CO integration. In the past we identified the transactions that integrated.
• Period Ecumbrances (CMU is not implementing)
  – Have to establish period and open/close accordingly
• Budget reversals are now possible
• Parking budgets possible
• Have the ability to post negative budgets
  – Cannot be directly posted to
  – Cannot not be assigned to a summarization item
Materials Management

• Unable to create external purchase order numbers beginning with a ‘C’. Oss note filed and corrected
• IDOC for goods issue not working properly in 4.7. Was MBGMCR01 now MBGMCR02
• Commitments now appearing in correct fiscal year when changing an old year P.O.
• LIV – Logistics Invoice Verification
Plant Maintenance

- Time confirmation field AFRUD_ISMNW changed to AFRUD_ISMNW_2
- Release procedure for purchase requisitions not working. OSS note written
- Have ability to drill down to work order line item detail from work order
- Drill down capability on settlements
- Deadline monitoring not work correctly
- Derivation of funds center to work order not working correctly. Currently working with Joe Thompson on user written derivation
Authorizations

- Number of new transaction codes in FM
- Identified changes in 4.6
- Forwarded delta spreadsheet once a week after testing began on 4.7
• MDT – Ad Hoc reports
  – Running report in test allows access to everyone
  – Running it normally only displays the employees who report to you

• Training & Events reports
  – Had to create a new evaluation plan to get them to work
• Issues with “implicit” versus “explicit” security
• Security administrator feels user menus very helpful
Miscellaneous

• ABAP Query
  – New format can switch to non graphical format via settings
  – Minimal changes to queries created in 4.5B

• Report Painter
  – Format similar to 4.6 (big change from 4.5B)
  – All reports appear to be converting correctly
User Reactions

• Enjoy screens
  – Favorable responses from occasional users
  – Unfavorable from power users

• Accessing reporting via favorites a plus
Goals for Users

• Minimize impact to users
• Provide various types of training
  – On line tutorials
  – Sit and watch
  – Hands on
• Power users helping with testing functionality and authorizations
Resources

• Did not attend delta workshops
  – Opportunity to test in 4.6C
• Have used minimal consulting
• CMU New website
  – www.sap.cmich.edu/fihr
SAP websites
  – Help.sap.com
  – http://service.sap.com/technology - contains security information
  – http://service.sap.com/upgrade
  – http://www.saptopsites.com
  – http://www.sapfriends.com
Beyond the Upgrade

- Campus Management
- Merging FI/HR/CM together
- ESS
- Grants Management