

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

CMU (continued)



- 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

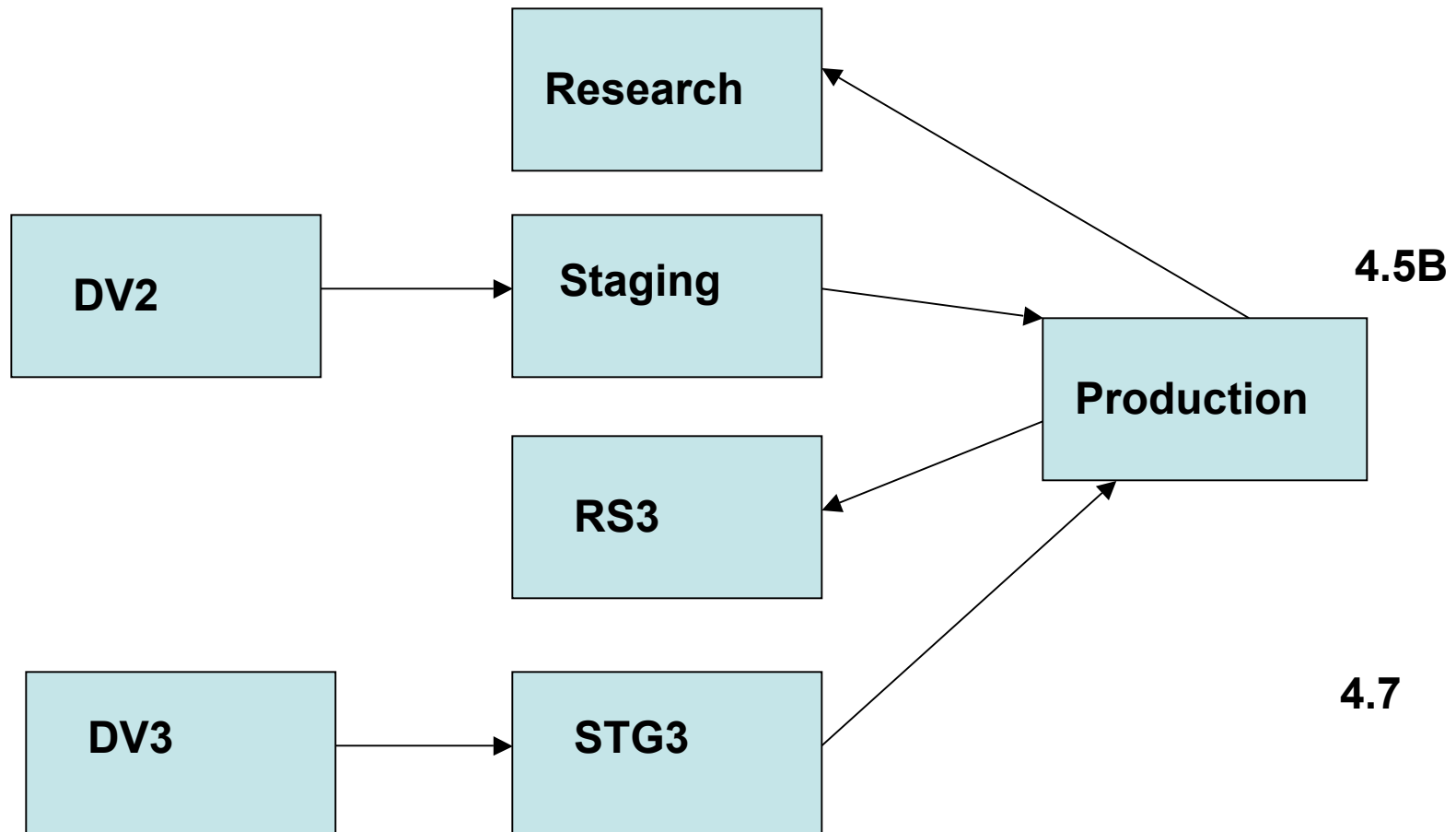
Project Timelines

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

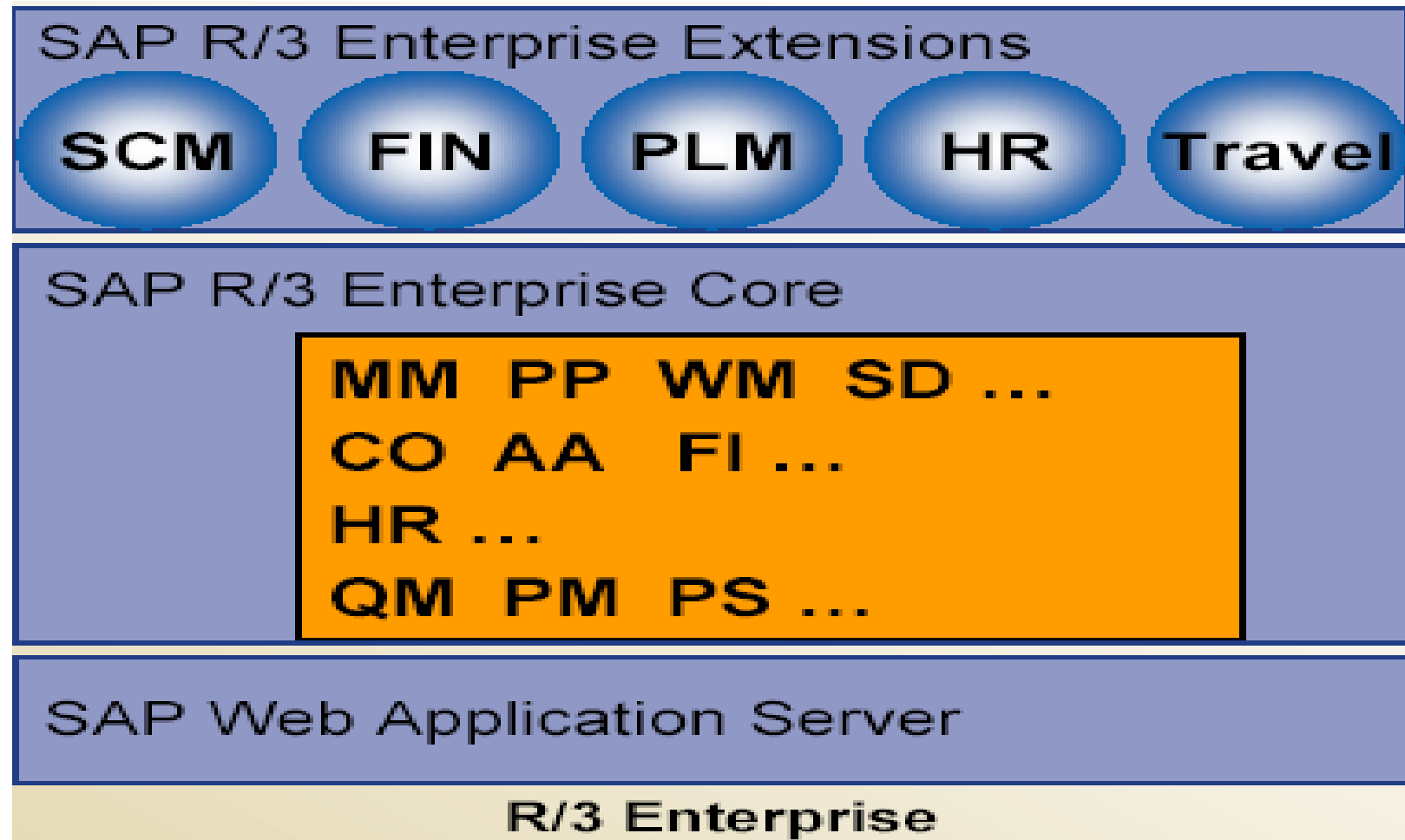
Technical

- 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

System Landscape



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

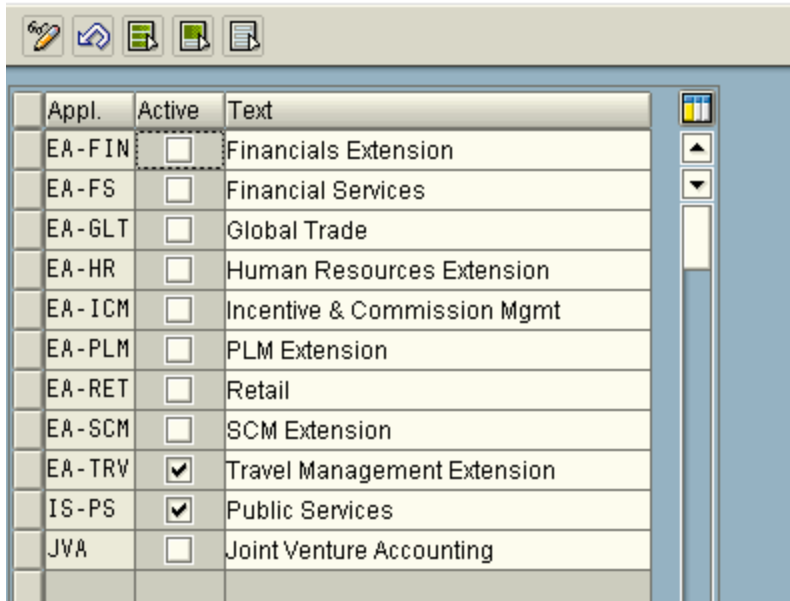
Financial

- 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

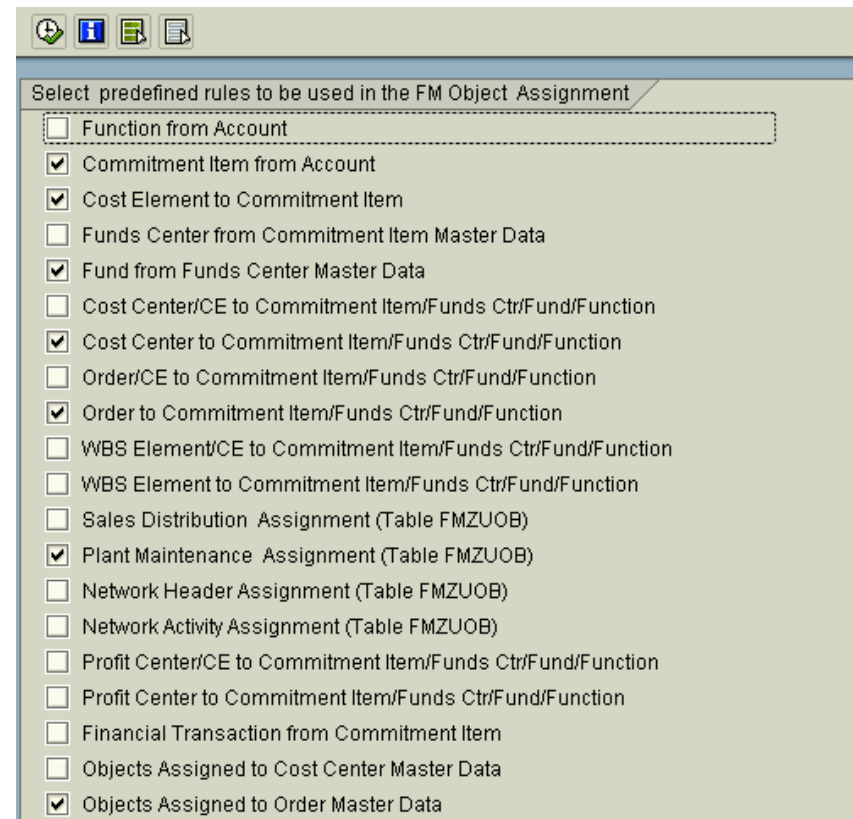
Change View "?": Overview



Appl.	Active	Text
EA-FIN	<input type="checkbox"/>	Financials Extension
EA-FS	<input type="checkbox"/>	Financial Services
EA-GLT	<input type="checkbox"/>	Global Trade
EA-HR	<input type="checkbox"/>	Human Resources Extension
EA-ICM	<input type="checkbox"/>	Incentive & Commission Mgmt
EA-PLM	<input type="checkbox"/>	PLM Extension
EA-RET	<input type="checkbox"/>	Retail
EA-SCM	<input type="checkbox"/>	SCM Extension
EA-TRV	<input checked="" type="checkbox"/>	Travel Management Extension
IS-PS	<input checked="" type="checkbox"/>	Public Services
JVA	<input type="checkbox"/>	Joint Venture Accounting

FM (continued)

- 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 RFCONVTP 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 Encumbrances (CMU is not implementing)
 - Have to establish period and open/close accordingly

FM (continued)

- 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

1	A	B	C	D	E	F	G
2	New Transaction Codes/Programs		Transaction	Program	Replaces	Users Impacted	
3	Trans Code/Program	Description					
4	Materials Management						
6	ME21N	Purchase Order - Create	X			Purch/Ustores	
7	ME22N	Purchase Order - Change	X			Purch/Ustores	
8	ME23N	Purchase Order - Display	X			Purch/Ustores	
9	ME51N	Purchase Requisition - Create	X			Ustores	
10	ME52N	Purchase Requisition - Change	X			Ustores	
11	ME53N	Purchase Requisition - Display	X			Ustores	
12	MEMASSRQ	Mass Change-Purchase Req	X			Purch/Ustores	
13	MEMASSPO	Mass Change-Purchase Order	X		MM17?	Purch/Ustores	
14	MIGO	Goods Movement	X		MB11?	Ustores	
15	MIRO	Logistics Invoice Verification	X		MR03?	AP	
16	Funds Management						
18	FM9Z	Commitment Item group -Transfer from Previous year	X			SAP Team	
19	RFFMCCF1	Commitment carryforward		X	RFFMCC01/RFFMCC10	MIS	
20	FMDRIVER	Derive FM account Assignments	X		FRC1, FRC3, FRC5	Accounting Services, Facilities Accounting Servi	
21	FMCIA	Commitment item individual processing	X		FM3I, FM3U	Accounting Services	
22	FM3IC	Display commitment item	X		FM3S	Accounting Services	
23	FM3ID	Change standard hierarchy-commitment items	X		FM3H	Accounting Services	
24	FM3IE	Display Standard hierarchy- commitment items	X		FM3D	Accounting Services	
25	FMSA	Funds Center processing	X		FM2I	Accounting Services	
26	FMSB	Funds center change	X		FM2U	Accounting Services	
27	FMSC	Funds Center display	X		FM2S	Accounting Services	
28	FMSD	FC Standard hierarchy	X		FM2H	Accounting Services	
29	FMSE	FC Standard hierarchy display	X		FM2D	Accounting Services	
30	FR50	Budget - Original	X		FR04, FR05	Budget & Planning, CEL	

Authorizations (continued)

- 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

Authorizations (continued)

- 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

