



Report Delivery through Stored Processes & the Microsoft Add-In

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Debbie Weisensee - McMaster University, Hamilton, ON



Order of Presentation

- Information on McMaster
- History of SAS Usage at McMaster
- What is a Stored Process?
- Current Usage of Stored Processes and the Microsoft Add-in at McMaster
- Future Plans for expanding/leveraging stored processes with our Financial Management software
- Live Demo
- Questions??



About McMaster

- ❑ Full service University located in Hamilton, Ontario
- ❑ Ranked 93rd among the top 200 Universities in the world
(*Times Higher Education's World University Rankings*)
- ❑ Long-standing reputation as Canada's "most innovative" university
- ❑ Committed to be Canada's most student-centered research University
- ❑ 2009/10 enrollment is 20,300 full-time students, 3,025 full-time graduate students
- ❑ 894 fulltime instructional faculty members, 1,434 (including clinical Faculty)
- ❑ 3,127 staff (2008/09)



McMaster and SAS History.....

Teaching and Research Usage:

- Have licensed and used the Education Analytic suite of SAS Products > 30 years

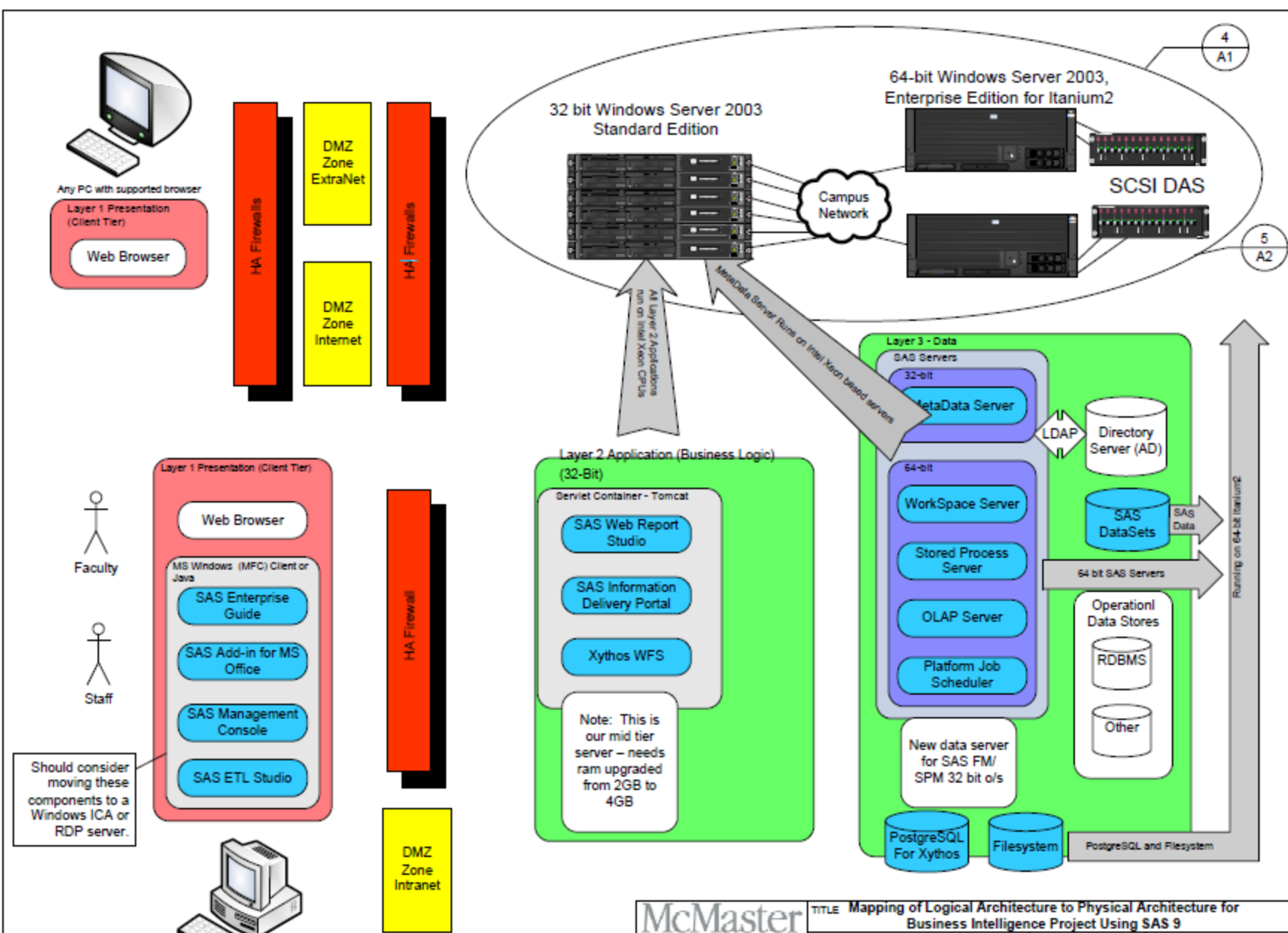
Administrative Usage:

- Licensed BI Enterprise Server, DI Studio, OLAP Cube Studio and Strategic Performance Management software in 2005 (early adapter of BI suite of products)
- Licensed Financial Management in 2007
- Purchased additional Financial Management licenses in 2009
- Planning on purchasing additional Financial Management licenses in 2010



What is a Stored Process?

- ❑ It is a SAS program which is hosted on a server (source code repository ..in our case our BI data server and described by metadata (our metadata server)
- ❑ Can be executed by many of the clients in the SAS ® 9 Intelligence Platform
- ❑ Similar in concept to programs run by SAS/IntrNet but more versatile due to the underlying metadata and security support



Should consider moving these components to a Windows ICA or RDP server.



Why are we using Stored Processes at McMaster?

- To enable user driven parameter values when running reports (not static)
- Ensures security and application integrity as the code is centrally maintained and stored
- Can be easily accessed from client applications
- Allows us to integrate data and reporting from our SAS Financial Management and SAS BI worlds (integration of financial and non-financial data within the same excel workbook)



Evolution of using Stored Processes At McMaster

- ❑ We've been using a SAS/IntrNet application for annual reporting for external research funding since 2005/06
- ❑ On a limited basis we've been using stored processes for reporting on the Information Delivery Portal and some Microsoft Add-In client tools such as Microsoft Word and Powerpoint since 2005/06
- ❑ We have approx. 200+ users accessing reports via the Microsoft Add-In (excel) since 2008/09.
- ❑ Our plan in 2010/11 is to expand reporting through the Microsoft Add-In (excel) in order to integrate data and reports between our BI Enterprise Server and Financial Management environments (e.g. intergrate financial and non financial data/reports)



Why are we using SAS Financial Management (excerpt from 2007 Project Charter)

- In addition to addressing the business drivers for this initiative, SAS Financial Management (FM) will achieve:
 - ❑ Drill down capability from summary to detail level
 - ❑ Access to detailed salary data
 - ❑ Reduced effort by eliminating the need for upload files if budgets are initially prepared at the account level
 - ❑ Ability to choose data through “slicers”
 - ❑ Potential for automated budget approval work flow
 - ❑ Easier access to financial information allows more time for analysis
 - ❑ Improved comparability of budget and actual data
 - ❑ Leverages the demonstrated capabilities of the McMaster SAS Business Intelligence (BI) platform for data integration and self-serve reports in a user-friendly, web portal



Labour Distribution and Salary Commitments Report

In excel

Advantages

- Budgeting (can link/insert into other spreadsheets, do analysis of impacts of leaves, trends on costs per account/type)
- Projections, built in and dynamic, actuals and commitment available
- Auditing (finding folks on your accounts you did not expect or double payments)
- Saving time (all the benefits of excel, use for invoicing etc., no need to look up one account at a time through Oracle, Looking up staff using find through all your accounts)
- Saving trees
- Reconciliations, checking FAS against Mac VIP for impact of JE/Non VIP entries against your salary accounts
- Timeliness (available very soon after month end)



Labour Distribution Example

Labour Distribution and Salary Commitments Report: As of March 2010
(Actuals to March 2010)

20/04/2010 10:58

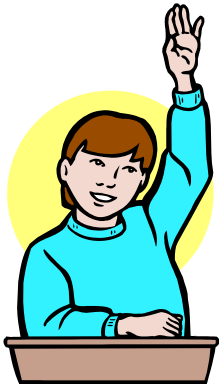
ACCOUNT	Sub-Code	Employee No	Employee Name	Actual To Date	20/04/2010 10:58												Commitment Totals	Yearly Totals	
					May	June	July	August	September	October	November	December	January	February	March			April
	1101	10000000	Mr Smith	47,590.04	3,869.60	5,804.40	3,869.60	3,869.60	3,869.60	3,869.60	6,804.40	3,906.84	3,908.80	3,908.80		3,908.80	3,908.80	3,908.80	51,498.84
	1101	10000001	Dr A Smith	70,928.64	5,877.40	8,816.10	5,877.40	5,877.40	5,877.40	5,877.40	8,816.10	5,924.44	5,995.00	5,995.00		5,995.00	5,995.00	5,995.00	76,923.64
GL Acct Totals	1101			118,518.68	9,747.00	14,620.50	9,747.00	9,747.00	9,747.00	9,747.00	15,620.50	9,831.28	9,903.80	9,903.80		9,903.80	9,903.80	9,903.80	128,422.48
	1111		Part 1	10,412.22	1,528.80	2,293.20	1,528.80	917.28	1,528.80	1,528.80	764.40	0.00	0.00	0.00		322.14	0.00	0.00	10,412.22
	1111		Part 2	14,423.16	0.00	0.00	0.00	0.00	2,342.34	2,638.10	4,368.00	2,763.20	2,311.52	0.00		0.00	0.00	0.00	14,423.16
	1111			6,155.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,588.01		3,567.20	3,433.44	3,433.44	9,588.65
GL Acct Totals	1111			30,990.59	1,528.80	2,293.20	1,528.80	917.28	3,871.14	4,166.90	5,132.40	2,763.20	2,311.52	2,588.01		3,889.34	3,433.44	3,433.44	34,424.03
	1146			706.91	0.00	0.00	0.00	239.63	467.28	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	706.91
GL Acct Totals	1146			706.91	0.00	0.00	0.00	239.63	467.28	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	706.91
	1147			3,053.70	208.00	0.00	0.00	0.00	0.00	474.76	686.40	366.77	379.00	481.17		457.60	0.00	0.00	3,053.70
GL Acct Totals	1147			3,053.70	208.00	0.00	0.00	0.00	0.00	474.76	686.40	366.77	379.00	481.17		457.60	0.00	0.00	3,053.70
	1410	10000000	Mr Smith	15,837.34	1,404.59	1,765.74	1,483.10	1,442.78	1,353.64	1,184.45	1,427.20	1,186.30	1,508.38	1,540.58		1,540.58	1,540.58	1,540.58	17,377.92
	1410	10000001	Dr A Smith	9,876.01	0.00	0.00	0.00	0.00	562.99	1,562.93	1,832.55	1,463.37	1,472.99	1,485.94		1,495.24	1,496.88	1,496.88	11,372.89
GL Acct Totals	1410			25,713.35	1,404.59	1,765.74	1,483.10	1,442.78	1,916.63	2,747.38	3,259.75	2,649.67	2,981.37	3,026.52		3,035.82	3,037.46	3,037.46	28,750.81
	1411		Part 1	220.67	134.88	-224.75	72.04	43.22	72.04	72.04	36.02	0.00	0.00	0.00		15.18	0.00	0.00	220.67
	1411		PART2	1,322.49	0.00	0.00	0.00	0.00	213.47	242.05	402.81	254.15	210.01	0.00		0.00	0.00	0.00	1,322.49
	1411			568.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	236.73		331.32	318.40	318.40	886.45
GL Acct Totals	1411			2,111.21	134.88	-224.75	72.04	43.22	285.51	314.09	438.83	254.15	210.01	236.73		346.50	318.40	318.40	2,429.61
	1446			212.52	0.00	0.00	0.00	75.14	137.38	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	212.52
GL Acct Totals	1446			212.52	0.00	0.00	0.00	75.14	137.38	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	212.52
	1447			203.76	13.69	0.00	0.00	0.00	0.00	33.05	47.07	22.61	23.29	33.17		30.88	0.00	0.00	203.76
GL Acct Totals	1447			203.76	13.69	0.00	0.00	0.00	0.00	33.05	47.07	22.61	23.29	33.17		30.88	0.00	0.00	203.76
Total for Account XXXXXX				181,510.72	13,036.96	18,454.69	12,830.94	12,465.05	16,424.94	17,483.18	25,184.95	15,887.68	15,808.99	16,269.40		17,663.94	16,693.10	16,693.10	198,203.82

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Note: Report is generated from Payroll System on a pay period basis.
Results may differ slightly from Commitments shown in EAS which are on a daily basis.
Official Commitment is on EAS.



Demo.....



Questions??

Thank you!

Please feel free to contact me at:

Debbie Weisensee
weisens@mcmaster.ca