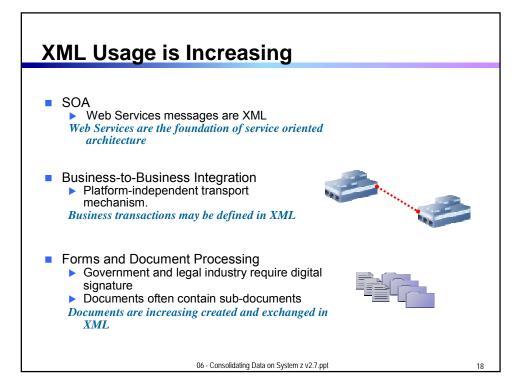
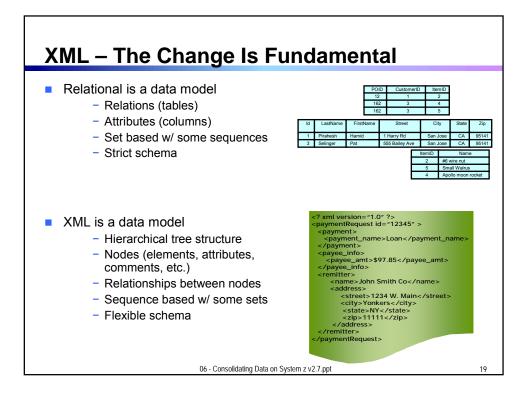
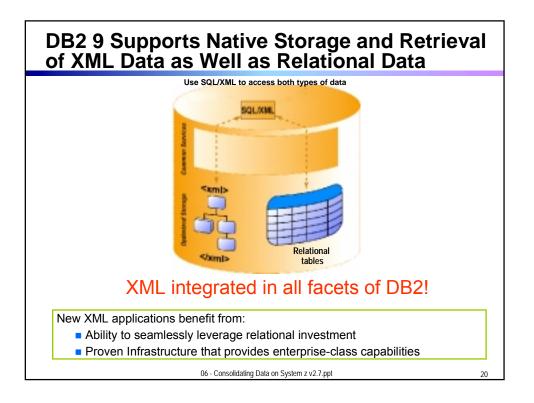
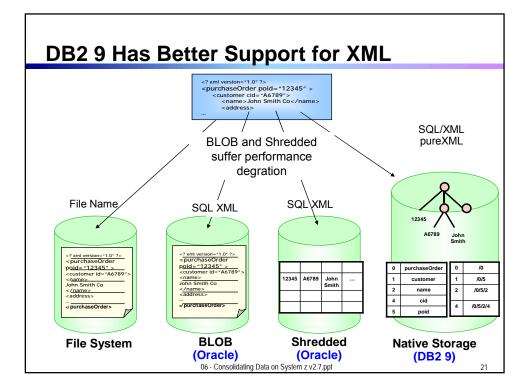


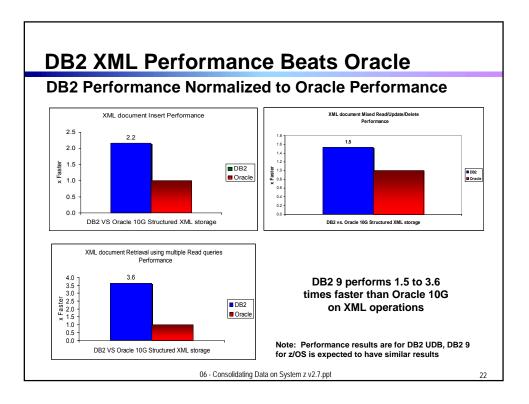
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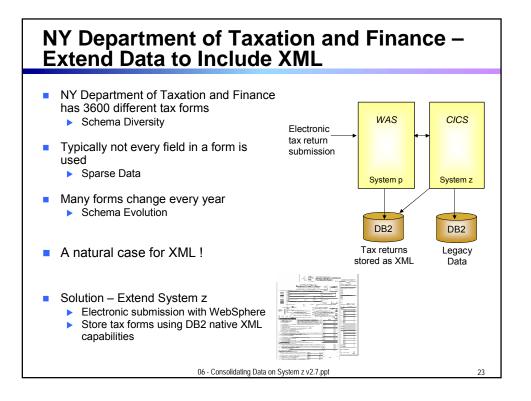


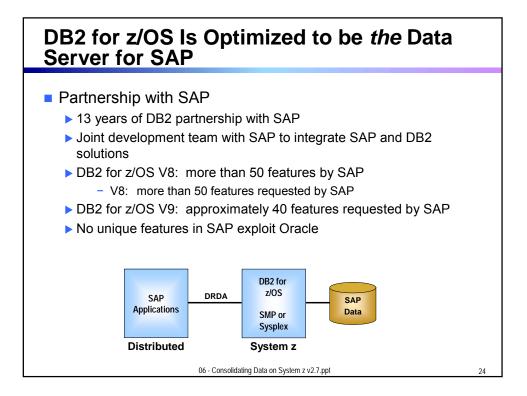


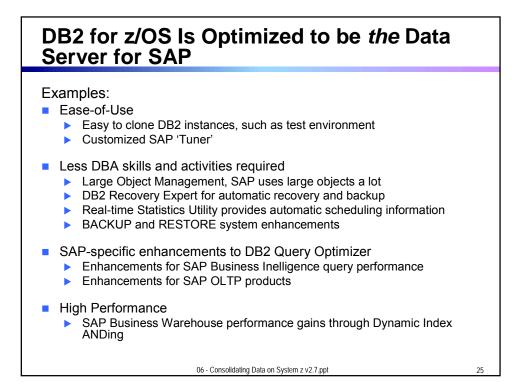


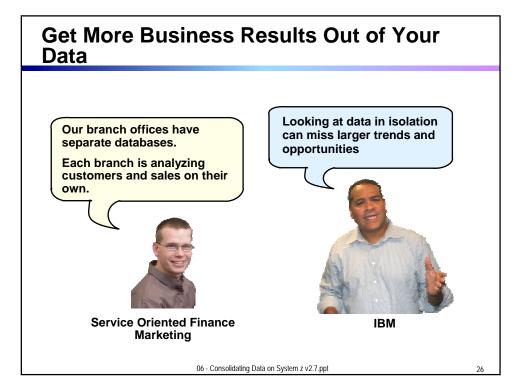


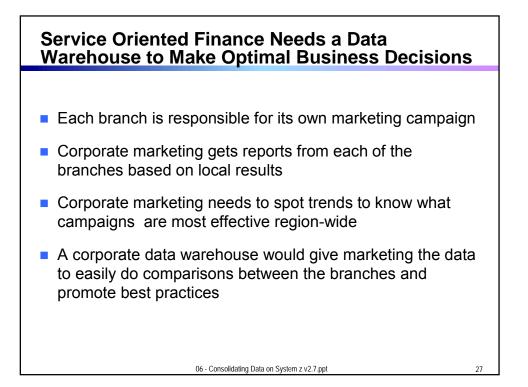










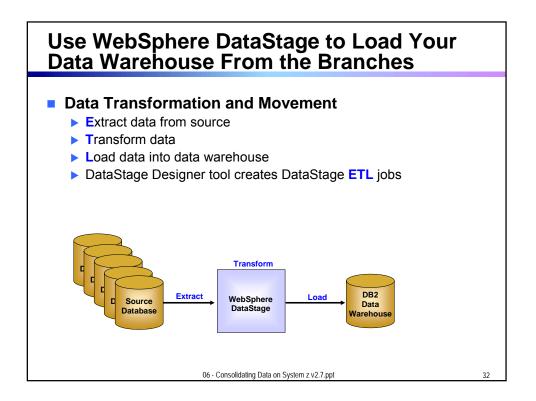


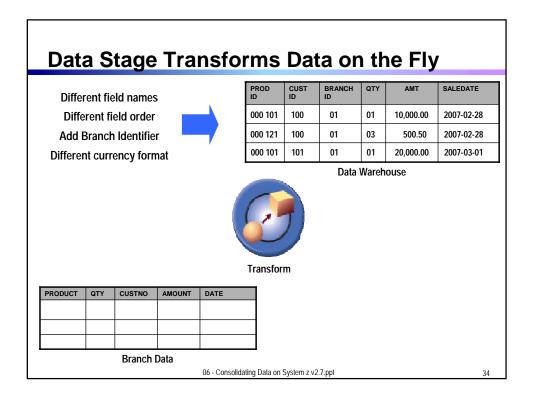
Use DB2 for z/OS to Build Your Corporate Data Warehouse Performance features for Data Warehouse solutions

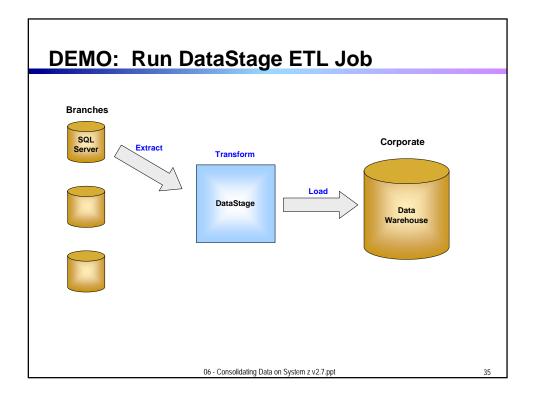
- Parallel Queries
 - Exploit multiple processors if available
- Materialized query table
 - Save and reuse previous partial query results
- Star Schema Join Enhancement
 - Performance enhancements for typical data warehouse accesses

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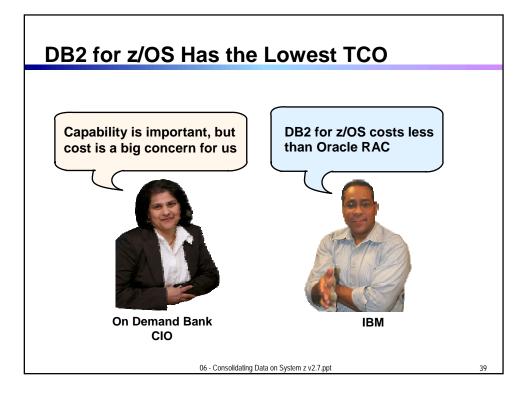


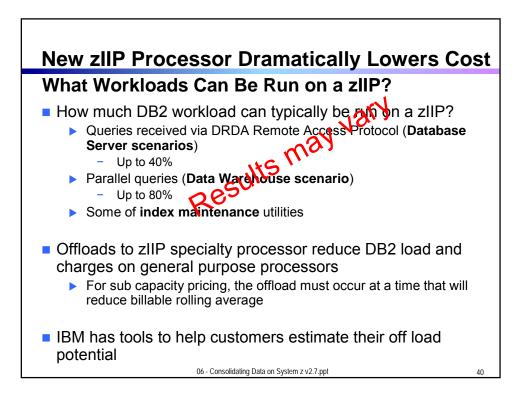
US Retailer Improves Response Time by Collocating OLTP and DW Databases

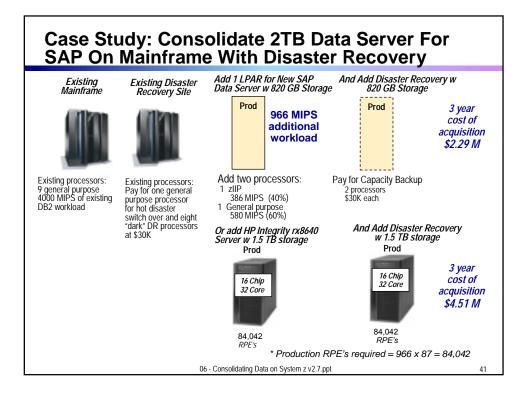
- A major US retailer moves their data warehouse from distributed servers to System z9
- On average they reduce query processing times by 80% (17 minutes to 3 minutes)
- They save CPU cycles in avoiding TCP/IP traffic to build the data warehouse on distributed
- This customer has 5.5TB data warehouse and front-ends it with MicroStrategy and SSas

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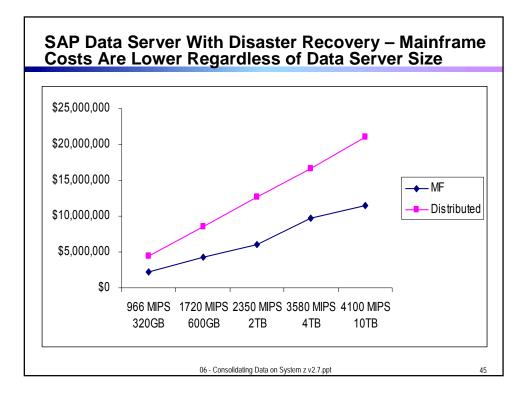
8



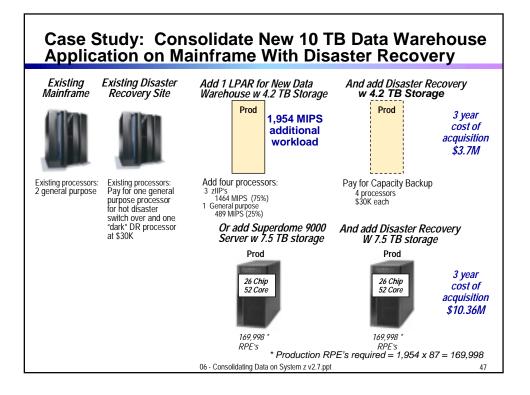




Storage Costs: DB2 Provides More Storage Savings than Oracle								
	owers TCO by reducing sto chmark: DB2 compression of 5							
_	as with DB2 vs. Oracle for a							
	Oracle	DB2 for z/OS*						
Storage System	HP Enterprise Virtual Array 8100 Storage	IBM System Storage DS6800						
Overall database compression ratio (using TPC-H benchmark results)	29%	59%						
For 10 TB uncompressed data storage needed	7.5 TB of HP Storage	4.2 TB of IBM Storage						
Cost of storage (3 year TCA)	\$319,270 + \$15,113 x 3 = \$364,609	\$234,101 + \$13,164 x 2** = \$260,429						
With compressi	on, storage for DB2 costs 29	9% less than for Oracle						
	eves similar compression ratios to tenance fee for the first year is incl 06 - Consolidating Data on System z v2.7	luded in the warranty						



North American Retailer Saves More by Licensing DB2 from SAP OEM agreement allows for DB2, DB2 Utilities and DB2 Connect for 298 MSU's dedicated restricted use 2094-704 z9 DB2, Utilities and DB2 Connect only Full Use Software from IBM over 3 years **Restricted Use** Software from SAP DB2 Utilities DB2 DB2 Connect SW bundle MLC \$1,334,520 n/a отс \$92.880 \$91.287 \$458.648 S&S \$41,796 \$233,913 \$36,515 \$1,596,997 \$692,561 **3 Year Costs** Savings of over \$900K and 57% for Data Serving on System z! 06 - Consolidating Data on System z v2.7.ppt 46



Data Warehouse With Disaster Recovery Incremental Cost Breakdown

Mainf	emental So	oftware					
OTC		ANNUAL		OTC		ANNUAL	
		Processor		Utilities	\$300,675	Utilities S&S	\$44,454
z Processors	\$1,825,000	Maintenance * (For year 2, 3)	\$123,540			DB2 MLC x12	\$72,24
						QMF MLC x12	\$34,71
4 DR Processors	\$120,000					z/OS MLC x12	\$78,57
IBM Storage (4.2x2TB)	\$468,202	Storage Maintenance	26,328			SubTotal MLC x	:12 \$185,53
TOTAL	\$2,413,202	2 TOTAL \$149,8	68 (year 2, 3)	TOTAL	\$300,675	TOTAL	\$229,98
Distributed Incremental Hardware Distributed Incremental Software							
OTC		ANNUA	VL	OTC		ANNUAL	
HP Processors	\$3,401,470	Processor Maintenance (prepaid in year 1 for 3	\$328,088 9 years)	Oracle EE & Unix	Utilities \$2,704,0 \$409,0	000 Oracle S&S Unix S&S (prepaid in ye for 3 years)	
HP storage (7.5x2TB)	\$638,540	Storage Maintenance	\$30,226				
TOTAL	\$4,040,010		,490 (year 1) 226 (year 2,3)	TOTAL	\$3,113,	TOTAL \$94 556 \$59	4,110 (year 1 4,880 (year 2, 3
* Mainframe	Processor Ma	intenance include	s the maintena	ance for gene	ral purpose proc	essors and spe	cialty engines
06 - Consolidating Data on System z v2.7.ppt							

