Project Name: Data Warehouse Expansion

Project ID: DB9312DW

Leadership Group: Courts/Justice Administration											
Department: Circuit & Probate Court		Division: Co	urt Business								
Project Sponsor: John Cooperrider	Date Request	ed: 2/11/18	PM Custom	er No. 312							
Request Type:		New Deve	elopment								
IT Team Name: Courts		IT Team No: B									
Project Manager/Leader: Patti Smutz	ki										
Account 95174 Account Number: Description		CIAL ADMIN	Customer Name:	Courts							
Grant Funded? No	M	andate?			No						
	M	Mandate Source:									

Project Goal

To expand the use of the Data Warehouse to include Juvenile case data so that reporting is available to the Circuit and Probate Courts.

Business Objective

The Circuit and Probate Courts need access to Juvenile case data that is not currently available through existing reporting. Also, they would like to expand the amount of time all case data is available, validate case age calculation, and include information on filings of documents same as how it is done in the County Clerk Universe.

Major Deliverables

- Detailed Project Plan
- Application and/or System Requirements
- Technical Design Document
- Technical Architecture Diagram
- User Acceptance Test Plan
- Implementation Plan
- Application Code
- Disaster Recovery Toolkit
- Service Center Knowledge Documents

Project Name: Data Warehouse Expansion

Approach

- Develop Detailed Project Plan
- Document system requirements
- Determine and document system architecture and diagram
- Conduct Tech Review
- Develop Implementation Plan
- Develop User Acceptance Test Plan
- Test new system
- Acquire User Acceptance Sign off
- Conduct Change Control
- Develop User Documentation, SLA, Disaster Recovery Toolkit, Service Center Knowledge Documents
- Train users on new system
- Release new system into production

Research & Analysis

Gartner Research Recommendation - Nothing Found.

Benefits

See Return on Investment (ROI) Analysis Document

Impact

Number of Users

Impact to both Circuit and Probate court users, administration, and elected officials.

Approximately 10 new warehouse users and as many as 31 new report recipients.

Project Name: Data V	Warehouse Expansion	Project ID: DB9312DW
Divisions	Court Business	
Leadership Groups	Courts/Justice Administration	
<u>Risk</u>		
Business Environme	ent	
Low – Little or no im	pact to existing business processes.	
Technical Environm Low– Proven and pr	ent eviously implemented technologies.	
Assumptions		
Staffing IT Staff	fing: resources will be available for the hours ind	icated in the project plan.
	Other Staffing: additional staffing will be availab	le as follows:
Role:	Name	<u>Hours per Day</u>
Project Sponsor:	John Cooperrider	As Needed
	Christina Bujak	As Needed
Facilities		
•		
Technical		
•		

Funding

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Other

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Priority

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Project Name: Data Warehouse Expansion

Project ID: DB9312DW

Constraints

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Exclusions

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Project Name: Data Warehouse Expansion

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Project ID: DB9312DW

PROJECT PHASE AUTHORIZATION

Phase(s): Project Management, Requirements, Design, Programming, Implementation, Post Implementation									
Total Estimated Application Services	Hours: 724								
Total Estimated Technical Systems	Hours: 72								
Total Estimated CLEMIS	Hours:								
Total Estimated Internal Services	Hours:								
IT Application Services Division Manager Approval:	Date:								
IT Technical Systems Division Manager Approval:	Date:								
IT CLEMIS Division Manager Approval:		Date:							
IT Internal Services Division Manager Approval:		Date:							
IT Management Approval:									
Approved: Yes	No	Date:							
Reason:									
Project Sponsor Approval:									
Title:		Date:							

PROJECT SUMMARY

Authorized Development (see above)	Hours:	
Preliminary Estimated Development for Future Phases	Hours:	
Grand Total Estimated Development	Hours: 796	Cost: 131,340.00

Project Name: Data Warehouse Expansion

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Project ID: DB9312DW

PROJECT COMPLETION AUTHORIZATION

Customer Acceptance of Product:								
Title:	Date:							
Project Office Review:	Date:							

Data Warehouse Expansion - Size Estimate (+/- 10% to 50%)

1	Туре	ID	Task Name	Estimated
2				Hours
3	3	00000	PROJECT MAN AGEMENT	197
4	Phase	030000	BUSINESS AREA REQUIREMENTS	75
- 5	Phase	050000	TECHNICAL DESIGN	60
6	Phase	060000-0	PROGRAMMING	340
7	Phase	070000	IMPLEMENTATION	60
8	Phase	080000	POST IMPLEMENTATION SUPPORT	64
9				796

Project Summary

Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Benefits/Savings:							
Tangible Benefits Subtotal:	342	342	342	342	342	342	2,052
Cost Avoidance Subtotal:	132,495	135,145	137,848	140,605	143,417	146,285	835,794
Costs:							
Development Services Subtotal:	139,260	7,920	7,920	7,920	7,920	7,920	178,860
Hardware Subtotal:	0	0	0	0	0	0	0
Software Subtotal:	0	0	0	0	0	0	0
Infrastructure Subtotal	0	0	0	0	0	0	0
Training Subtotal:	0	0	0	0	0	0	0
Other Subtotal:	0	0	0	0	0	0	0
Annual Statistics:							
Annual Total Savings	132,837	135,487	138,190	140,947	143,759	146,627	837,846
Annual Total Costs	139,260	7,920	7,920	7,920	7,920	7,920	178,860
Annual Return on Investment	(6,423)	127,567	130,270	133,027	135,839	138,707	658,986
Annual Costs/Savings Ratio	104.84%	5.85%	5.73%	5.62%	5.51%	5.40%	
Project Cumulative Statistics:							
Cumulative Total Savings	132,837	268,324	406,513	547,460	691,219	837,846	837,846
Cumulative Total Costs	139,260	147,180	155,100	163,020	170,940	178,860	178,860
Cumulative Return on Investment	(6,423)	121,144	251,413	384,440	520,279	658,986	658,986
Cumulative Cost/Savings Ratio	104.84%	54.85%	38.15%	29.78%	24.73%	21.35%	21.35%
	104.04 %	54.05%	30.13%	29.7070	24.7370	21.3370	21.3370
Year Positive Payback Achieved		Year 2					Year 2
State or Federal Mandate?							
Signatures:							
Benefits Reviewed By Project Sponsor	Date:						
Costs (including IT Resources) Reviewed By							
Information Technology Project Manager	Date:						

Benefit/Savings Description	Project Savings Category	Budget Category/Funding Source	Unit Desc	Units	Rate per Unit	Total Savings	Annual Multiplier
Reduce need to manually calculate							
information from multiple sources to							
prepare reports (level 12)	Cost Avoidance		ANN	1,050	51.76	54,348	1.020
Eliminate extra paper reports that must							
be printed to extract data	Tangible Benefit	10100-3010301-121130-774637	ANN	11,400	0.03	342	1.000
Eliminate additional IT involvement to							
create adhoc reports	Cost Avoidance		ANN	80	165	13,200	1.020
Reduce need to manually calculate							
information from multiple sources to							
prepare reports (level 16)	Cost Avoidance		ANN	500	63.00	31,500	1.020
Reduce need to manually calculate							
information from multiple sources to							
prepare reports (level 14)	Cost Avoidance		ANN	500	56.56	28,280	1.020
Reduce need to manually calculate							
information from multiple sources to							
prepare reports (level 20)	Cost Avoidance		ANN	52	78.46	4,080	1.020
Improved efficiency by access to							
statistical data	Intangible Benefit						
						0	
						0	

		Affects Project ROI					2012	?			Potential Sa	vings Extensi	ions	
Benefit/Savings Description	Project Savings Category	Y1	Y2	Y	3 Y	4 Y	5 Y(6	Y1	Y2	Y3	Y4	Y5	Y6
Reduce need to manually calculate			Ī	I				Т						
information from multiple sources to														
	Cost Avoidance	х	х	х	х	х	х		55,434.96	56,543.66	57,674.53	58,828.02	60,004.58	61,204.68
Eliminate extra paper reports that must			1	1			1							
be printed to extract data	Tangible Benefit	х	х	х	х	х	х		342.00	342.00	342.00	342.00	342.00	342.00
Eliminate additional IT involvement to			1	ł			ł							
create adhoc reports	Cost Avoidance	х	х	х	х	х	х		13,200.00	13,464.00	13,733.28	14,007.95	14,288.10	14,573.87
Reduce need to manually calculate			1	1										
information from multiple sources to				1										
prepare reports (level 16)	Cost Avoidance	х	х	х	х	х	х		31,500.00	32,130.00	32,772.60	33,428.05	34,096.61	34,778.55
Reduce need to manually calculate			1	1			1							
information from multiple sources to				1										
prepare reports (level 14)	Cost Avoidance	х	х	х	х	х	х		28,280.00	28,845.60	29,422.51	30,010.96	30,611.18	31,223.41
Reduce need to manually calculate			1	1			1							
information from multiple sources to				ł			Î							
prepare reports (level 20)	Cost Avoidance	х	х	х	х	х	х		4,079.92	4,161.52	4,244.75	4,329.64	4,416.24	4,504.56
Improved efficiency by access to			1	1										
statistical data	Intangible Benefit	х	х	х	х	х	х		0.00	0.00	0.00	0.00	0.00	0.00
			1	1										
				1										

Savings Summary

Benefit/Savings Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Tangible Benefit:							0
Eliminate extra paper reports that must be							
printed to extract data	342	342	342	342	342	342	2,052
Tangible Benefits Subtotal:	342	342	342	342	342	342	2,052
	042	042	042	042	042	042	0
Cost Avoidance:							
Reduce need to manually calculate information from multiple sources to prepare							
reports (level 12)	55,435	56,544	57,675	58,828	60,005	61,205	349,690
Eliminate additional IT involvement to create	12 200	12 464	10 700	14.008	14 200	14 574	92.267
adhoc reports	13,200	13,464	13,733	14,008	14,288	14,574	83,267
Reduce need to manually calculate information from multiple sources to prepare reports (level 16)	31,500	32,130	32,773	33,428	34.097	34,779	198,706
Reduce need to manually calculate information from multiple sources to prepare reports (level 14)	28,280	28,846	29,423	30,011	30,611	31,223	178,394
Reduce need to manually calculate information from multiple sources to prepare reports (level 20)	4,080	4,162	4,245	4,330	4,416	4,505	25,737
	4,000	4,102	7,270	4,000	-,+10	+,000	20,707
Cost Avoidance Subtotal:	132,495	135,145	137,848	140,605	143,417	146,285	835,794
Intangible Benefit:							
Improved efficiency by access to statistical							
data	0	0	0	0	0	0	0
Savings Total:	132,837	135,487	138,190	140,947	143,759	146,627	837,846

								Af	Affects Project) ?
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual						
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs			796	165	131,340	1.000	х		-			
IT Hours - System Maintenance	Development Svcs			24	165	3,960	1.000		х	х	х	Х	х
IT Hours - Customer Support	Development Svcs			24	165	3,960	1.000	х	х	х	х	х	х
IT Hours - Planned Maintenance	Development Svcs				122	0							
User Hours - New Development	Development Svcs					0							
User Hours - PTNE/OT	Development Svcs					0				ļ			
Contractor Professional Services	Development Svcs					0							
PC System - Acquisition	Hardware				814	0							
PC System - Maintenance	Hardware				2,304	0				Ì			
Notebook - Acquisition	Hardware				1,223	0							
Notebook - Maintenance	Hardware				2,372	0							
Tablet Notebook - Acquisition	Hardware				2,012	0							
Tablet Notebook - Maintenance	Hardware					0				İ			
Laserprinter - Acquisition	Hardware				1,432	0							
Laserprinter - Maintenance	Hardware				1,104	0							
Image Workstations - Acquisition	Hardware					0				Ì			
Image Workstations - Maintenance	Hardware				3,496	0							
PC Maintenance User Owned	Hardware				2,304	0							
Printer Maintenance User Owned	Hardware				1,072	0				1			
Package Software - Acquisition	Software					0				ļ			
Package Software - Maintenance	Software					0							
Business Objects Access	Software					0							
Term Emulation SFTW-Acquisition	Software					0				Î			[
Term Emulation SFTW-Maintenance	Software					0							
Server - Acquisition/Upgrade	Infrastructure				8,000	0							
Server - Maintenance	Infrastructure				360	0							
Server Sftwre - Acquisition/Upgrade	Infrastructure				335	0							ĺ
Server Sftwre - Maintenance	Infrastructure					0				!			
Server Rack Mount	Infrastructure				400	0							
Oracle Enterprise Per Processor -													
Includes Year 1 Maintenance	Infrastructure				21,372	0						i	
Oracle Enterprise Per Processor - Year										İ			
2 and Beyond	Infrastructure				3,432	0				l			

								Af	fects	ject l	ROI?	
	Project Cost	Budget Category/Funding	Unit		Rate per		Annual					
Cost Description	Category	Source	Desc	Units	Unit	Total Cost	Multiplier	Y1	Y2	Y3 `	(4 Y	′5 Y6
MS SQL Server Standard Per										ł		
Processor - Includes Year 1												
Maintenance	Infrastructure				4,725	0			į			
MS SQL Server Standard Per												
	Infrastructure				946	0						
MS SQL Server Enterprise Per												
Processor - Includes Year 1												
Maintenance	Infrastructure				19,693	0						
MS SQL Server Enterprise Per												
	Infrastructure				3,939	0						
Websphere Basic Per Processor												
Single/Dual Core - Includes Year 1												
Maintenance	Infrastructure				3,506	0						
Websphere Basic Per Processor												
Single/Dual Core - Year 2 and Beyond	Infrastructure				701	0						
Websphere ND Per Processor												
Single/Dual Core - Includes Year 1												
Maintenance	Infrastructure				13,180	0						
Websphere ND Per Processor												
-	Infrastructure				2,635	0						
Single/Dual Core - real 2 and Deyond	Infrastructure				2,035	0				-+		
TBD	Infrastructure				043	0						
TBD	Infrastructure					0						
TBD	Infrastructure					0		ŀ				
TBD	Infrastructure					0						
Internet Access	Infrastructure				180	0						
Project Staff Training	Training				100	0						<u> </u>
User Training	Training					0				<u> </u>		<u> </u>
	Training					0				<u> </u>	<u> </u>	

		Potential Cost Extensions					
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
IT Hours - New Development	Development Svcs	131,340.00					
IT Hours - System Maintenance	Development Svcs	3,960.00	3,960.00		3,960.00	3,960.00	3,960.00
IT Hours - Customer Support	Development Svcs	3,960.00	3,960.00	3,960.00	3,960.00	3,960.00	3,960.00
IT Hours - Planned Maintenance	Development Svcs						
User Hours - New Development	Development Svcs						
User Hours - PTNE/OT	Development Svcs		ľ				
Contractor Professional Services	Development Svcs						
PC System - Acquisition	Hardware						
PC System - Maintenance	Hardware		Î				
Notebook - Acquisition	Hardware						
Notebook - Maintenance	Hardware						
Tablet Notebook - Acquisition	Hardware						
Tablet Notebook - Maintenance	Hardware						
Laserprinter - Acquisition	Hardware						
Laserprinter - Maintenance	Hardware						
Image Workstations - Acquisition	Hardware						
Image Workstations - Maintenance	Hardware						
PC Maintenance User Owned	Hardware						
Printer Maintenance User Owned	Hardware						
Package Software - Acquisition	Software						
Package Software - Maintenance	Software						
Business Objects Access	Software						
Term Emulation SFTW-Acquisition	Software		Î				
Term Emulation SFTW-Maintenance	Software						
Server - Acquisition/Upgrade	Infrastructure						
Server - Maintenance	Infrastructure						
Server Sftwre - Acquisition/Upgrade	Infrastructure						
Server Sftwre - Maintenance	Infrastructure						
Server Rack Mount	Infrastructure						
Oracle Enterprise Per Processor -			ĺ				
Includes Year 1 Maintenance	Infrastructure						
Oracle Enterprise Per Processor - Year							
2 and Beyond	Infrastructure						

	Potential Cost Extensions						
	Project Cost						
Cost Description	Category	Y1	Y2	Y3	Y4	Y5	Y6
MS SQL Server Standard Per							
Processor - Includes Year 1							
Maintenance	Infrastructure						
MS SQL Server Standard Per							
Processor - Year 2 and Beyond	Infrastructure						
MS SQL Server Enterprise Per							
Processor - Includes Year 1							
Maintenance	Infrastructure						
MS SQL Server Enterprise Per							
Processor - Year 2 and Beyond	Infrastructure						
Websphere Basic Per Processor							
Single/Dual Core - Includes Year 1							
Maintenance	Infrastructure						
Websphere Basic Per Processor							
Single/Dual Core - Year 2 and Beyond	Infrastructure						
Websphere ND Per Processor							
Single/Dual Core - Includes Year 1							
Maintenance	Infrastructure					ļ	
Websphere ND Per Processor						1	
Single/Dual Core - Year 2 and Beyond	Infrastructure						
SSL Certificate	Infrastructure						
TBD	Infrastructure						
TBD	Infrastructure						
TBD	Infrastructure						
TBD	Infrastructure						
Internet Access	Infrastructure						
Project Staff Training	Training						
User Training	Training						

Cost Summary

Cost Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total
Development Services:							
IT Hours - New Development	131,340						131,340
IT Hours - System Maintenance	3,960	3,960	3,960	3,960	3,960	3,960	23,760
IT Hours - Customer Support	3,960	3,960	3,960	3,960	3,960	3,960	23,760
Development Services Subtotal:	139,260	7,920	7,920	7,920	7,920	7,920	178,860
Hardware:							
Hardware Subtotal:							
Software:							
Software Subtotal.							
Infrastructure:							
Infrastructure Subtotal							
Training:							
Training Subtotal:							
Other:							
Other Subtotal:							
Costs Total:	139,260	7,920	7,920	7,920	7,920	7,920	178,860

Return on Investment Analysis Assumptions

Date	Assumption Description
14-Jun-18	IT Hours - Customer Support (2 hours per feed per month = 6) + (1 per month for BO Support) = 7*12 = 84
14-Jun-18	IT Hours - Customer Support (2 hours per feed per month = 6) + (1 per month for BO Support) = 7*12 = 84 IT Hours - System Maintenance (1 hour per feed per month = 3) 3 * 12 = 36
14-0011-10	