



## Crystal Point .NET Services Increase Efficiency through Automation

Back in May, 2011 Member Access Pacific (MAP) approached Crystal Point to leverage the new OutsideView 8.1 .NET API in creating a macro to automate the processing of their Gift Card and Prepaid Card Activity Reports from VISA DPS. This new Windows Form Application (Utility Export Tool) provided the solution to Member Access Pacific’s tedious settlement process. The Utility Export Tool application reduced their daily settlement processing time from hours down to minutes.

Pleased with their macro, Member Access Pacific approached Crystal Point again in January, 2012 looking to enhance the Utility Export Tool. They wanted to stream line their daily settlements even more. This time around, MAP wanted to add three more excel worksheet to their existing report (Transaction Amount, Transaction Count, and CFPRecon) and a separate new worksheet from a different report (Wire Confirmation). Each of these reports required tedious manual processing of data from different Visa DPS reports.

With the updated macro, Member Access Pacific was able to automate the generation of these new excel worksheets and shave more time off their settlement processing. The new worksheets also provided them the capability to analyze their data. **Basically Member Access Pacific was able to take reports that were in the following format:**

The image shows three overlapping screenshots of the 'Mapacific' application interface. The top-left screenshot displays a 'Report Selection List' with columns for Report ID, Description, Arch Date, Time, Loc, Lines, and Page. The top-right screenshot shows a 'Page Index Selection List' with a search for ID 'DE50911P0216'. The bottom screenshot shows a detailed 'FINANCIAL SETTLEMENT REPORT' with the following data:

DESCRIPTION	DEBIT	CREDIT	NET	REPORT ID
VISA DPS FINANCIAL TRANS	484,182.78	0.00	484,182.78	EPS00210-RP03
EXCEPTION TRANSACTIONS	0.00	349.83	349.83	DD0714-000
MISCELLANEOUS FEES	0.00	3,664.10	3,664.10	DD0716-000
VISA/AM REIMG FEES	78.21	0.00	78.21	VBS-110 -V9
INTERLINK REIMG FEES	0.00	1,332.82	1,332.82	VBS-110 -IS
VISA/AM ISA FEES	37.09	0.00	37.09	VBS-140 -V9
<b>TOTALS</b>	<b>484,266.08</b>	<b>5,346.55</b>	<b>448,919.53</b>	

And generate these excel worksheets using the updated Macro:

1	A	B	C	D	E	F	G	H	I	J	K	L
2	PRC NO.	REF.	CREDIT UNION	VISA DPS FINANCIAL TRANS	EXCEPTION TRANSACTIONS	MISCELLANEOUS FEES	VISA/ATM REIMB FEES	VISA/ATM ISA FEES	INTERLINK REIMB FEES	INTERLINK ISA FEES	GRAND TOTAL	WIRE CONFIRMATION TOTAL
3				EF500210-RP03	DD0714.002	DD00716.002	VSS-110-.VS	VSS-140-.VS	VSS-110-.IL	VSS-140-.IL		
82	PRC727	322172153	...	\$590,355.46	(\$176.44)	(\$3,472.84)	\$60.87	\$27.52	(\$555.77)	\$0.00	\$586,235.20	\$0.00
83	PRC727	997270011	...	\$14,761.99	\$0.00	\$0.00	\$72.00	\$0.00	(\$10.50)	\$0.00	\$14,823.91	\$0.00
84	PRC727	997270024	...	\$16,519.87	\$0.00	(\$293.73)	\$0.00	\$0.00	\$0.00	\$0.00	\$16,226.93	\$0.00
85	PRC727	997270037	...	\$60,364.78	\$31.42	(\$517.37)	(\$3.67)	\$0.00	\$0.00	\$0.00	\$59,401.16	\$0.00
86	PRC760	322724990	...	\$439,766.19	\$273.03	(\$3,155.39)	\$33.67	\$59.81	(\$724.52)	\$0.00	\$436,879.79	\$0.00
87	PRC765	325181015	...	\$78,866.64	\$300.00	\$0.00	(\$35.30)	\$5.32	(\$11.47)	\$0.00	\$79,069.19	\$79,069.19
88	PRC765	997650013	...	\$1,221,476.09	\$460.21	(\$8,312.29)	\$35.99	\$55.38	(\$1,555.82)	\$0.00	\$1,210,457.20	\$1,210,457.20
89	PRC765	997650026	...	\$40,915.23	\$0.00	(\$641.45)	(\$3.79)	\$0.00	\$0.00	\$0.00	\$40,270.05	\$40,270.05
90	PRC765	997650039	...	\$60,635.58	\$0.00	(\$534.06)	(\$3.21)	\$0.00	\$0.00	\$0.00	\$59,097.51	\$59,097.51
91	PRC765	997650042	...	\$110,652.29	\$0.00	(\$1,725.20)	(\$11.89)	\$0.00	\$0.00	\$0.00	\$108,926.10	\$108,926.10
92	PRC765	997650055	...	\$1,827.43	\$0.00	(\$28.43)	(\$1.10)	\$0.00	\$0.00	\$0.00	\$1,798.90	\$1,798.90
93	PRC765	997650084	...	\$8,617.80	\$0.00	(\$193.15)	(\$12.43)	\$0.00	\$0.00	\$0.00	\$8,425.22	\$8,425.22
94	PRC765	997650097	...	\$101,726.26	\$0.00	(\$1,719.01)	(\$25.53)	\$3.96	(\$316.76)	\$0.00	\$99,689.92	\$99,689.92
95	PRC766	997660016	...	\$9,506.78	\$0.00	(\$61.42)	\$1.00	\$0.00	(\$24.29)	\$0.00	\$9,422.07	\$9,422.07
96	PRC768	997680012	...	\$19,464,372.13	(\$33,345.95)	(\$34,905.11)	\$387.32	\$4.13	(\$4.35)	\$0.00	\$18,995,671.23	\$0.00
97	PRC823	323072563	...	\$0.00	\$0.00	\$0.00	(\$3.25)	\$0.00	\$0.00	\$0.00	(\$3.25)	(\$3.25)
98	PRC823	998230018	...	\$67.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$67.56	\$67.56
99	PRC823	998230021	...	\$25,616.77	(\$10.00)	(\$192.85)	\$0.14	\$2.99	(\$37.56)	\$0.00	\$25,571.47	\$25,571.47
100	PRC823	998230034	...	\$12,332.40	\$0.00	(\$201.78)	(\$6.03)	\$0.00	\$0.00	\$0.00	\$12,124.59	\$12,124.59
101	PRC823	998230047	...	\$6,308.81	(\$303.30)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,005.51	\$6,005.51
102	PRC828	251773025	...	\$4,425.05	\$0.00	(\$34.55)	\$6.75	\$0.00	(\$5.10)	\$0.00	\$4,396.40	\$4,396.40
103	PRC962	999620025	...	\$190,123.00	\$0.00	(\$2,442.30)	(\$12.54)	\$0.00	\$0.00	\$0.00	\$187,670.16	\$0.00
104	PRC966	325181033	...	\$129,868.36	(\$79.45)	(\$693.50)	\$1.71	\$7.22	(\$201.29)	\$0.00	\$128,577.00	\$128,577.00
105	PRC966	999660014	...	\$5,505.40	\$0.00	\$0.00	\$7.75	\$0.00	(\$0.25)	\$0.00	\$5,512.80	\$5,512.80
106	PRC966	999660027	...	\$14,127.03	\$0.00	(\$23.52)	(\$3.39)	\$0.00	\$0.00	\$0.00	\$14,099.12	\$14,099.12
107	PRC966	999660030	...	\$5,854.19	\$0.00	(\$73.11)	(\$1.32)	\$0.00	\$0.00	\$0.00	\$5,779.76	\$5,779.76
108	PRC966	999660043	...	\$9,196.29	\$0.00	(\$157.95)	(\$2.22)	\$0.00	(\$19.87)	\$0.00	\$8,916.34	\$8,916.34
109	PRC966	999660056	...	\$100.00	\$0.00	(\$0.35)	\$0.00	\$0.00	\$0.00	\$0.00	\$99.65	\$99.65
110	PRC968	325182167	...	(\$5,975.00)	\$0.00	\$0.00	(\$25.75)	\$0.00	\$0.00	\$0.00	(\$6,000.75)	(\$6,000.75)
111	PRC968	999680010	...	\$373,643.81	\$0.00	(\$2,184.98)	(\$2.40)	\$6.02	(\$556.12)	\$0.00	\$371,426.86	\$371,426.86
112				\$35,529,792.55	(\$14,333.05)	(\$25,138.97)	\$6,787.29	\$1,364.87	(\$24,539.19)	\$0.00	\$35,234,728.12	\$6,272,566.43

1	A	B	H	I	J	K
2	CLIENT_ID	CREDIT UNION	UNLOADS_FL_FUNDS_TRNSFR	UNLOADS_BYPASS	TOTAL_TRANSACTION_AMOUNT	MANUAL_ADJUSTMENTS
50	RADF000	...	\$0.00	\$0.00	\$0.00	\$0.00
51	ROAN000	...	\$0.00	\$0.00	\$0.00	\$0.00
52	RVCU000	...	\$0.00	\$0.00	\$150.00	\$0.00
53	SANG000	...	\$0.00	\$0.00	\$0.00	\$0.00
54	SEAT000	...	\$0.00	\$0.00	\$0.00	\$0.00
55	SERV000	...	\$0.00	\$0.00	\$14.00	\$0.00
56	SFCU000	...	\$0.00	\$0.00	\$0.00	\$0.00
57	SHRF000	...	\$0.00	\$0.00	\$612.00	\$0.00
58	TFCU000	...	\$0.00	\$0.00	\$0.00	\$0.00
59	TMB000	...	\$0.00	\$0.00	\$0.00	\$0.00
60	TLCF000	...	\$0.00	\$0.00	\$880.00	(\$162.51)
61	TWIG000	...	\$0.00	\$0.00	\$0.00	\$0.00
62	TWIN000	...	\$0.00	\$0.00	\$1,596.00	\$0.00
63	UANW000	...	\$0.00	\$0.00	\$0.00	\$0.00
64	UNIT000	...	\$0.00	\$0.00	\$346.00	\$0.00
65	VER000	...	\$0.00	\$0.00	\$52.00	\$0.00
66	WTRF000	...	\$0.00	\$0.00	\$0.00	\$0.00
67	YOLO000	...	\$0.00	\$0.00	\$0.00	\$0.00
68	58640	...	\$0.00	\$0.00	\$0.00	\$0.00
69	58640	...	\$0.00	\$0.00	\$0.00	\$0.00
70	Total		\$0.00	\$0.00	\$25,952.58	(\$162.51)

1	A	B	H	I	J	K
2	CLIENT_ID	CREDIT UNION	UNLOADS_FL_FUNDS_TRNSFR	UNLOADS_BYPASS	TOTAL_TRANSACTION_COUNT	MANUAL_ADJUSTMENTS
50	RADF000	...	0	0	0	0
51	ROAN000	...	0	0	0	0
52	RVCU000	...	0	0	1	0
53	SANG000	...	0	0	0	0
54	SEAT000	...	0	0	0	0
55	SERV000	...	0	0	1	0
56	SFCU000	...	0	0	0	0
57	SHRF000	...	0	0	2	0
58	TFCU000	...	0	0	0	0
59	TMB000	...	0	0	0	0
60	TLCF000	...	0	0	3	1
61	TWIG000	...	0	0	0	0
62	TWIN000	...	0	0	8	0
63	UANW000	...	0	0	0	0
64	UNIT000	...	0	0	3	0
65	VER000	...	0	0	2	0
66	WTRF000	...	0	0	0	0
67	YOLO000	...	0	0	0	0
68	58640	...	0	0	0	0
69	58640	...	0	0	0	0
70	Total		0	0	102	3

	A	B	C	D	E
1	Description	Debit1	Credit1	Debit2	Credit2
2	CFP BEGINNING BALANCE	\$0.00	\$434,266.05	\$0.00	\$0.00
3	MISCELLANEOUS FEES - DD0716-D02	\$0.00	\$0.00	(\$165.84)	\$0.00
4	VISA/ATM REIMB FEES - VSS-110	\$0.00	\$0.00	\$0.00	\$7.52
5	VISA/ATM ISA FEES - VSS-140	\$0.00	\$0.00	\$0.00	\$5.48
6	INTERLINK REIMB FEES - VSS-110	\$0.00	\$0.00	(\$11.42)	\$0.00
7	WIRE REPORT FEES AND ADJUSTMENTS	\$0.00	\$0.00	\$0.00	(\$164.26)
8	LOAD DISPUTES	\$0.00	\$0.00	\$0.00	\$0.00
9	PURCHASES/QUASI CASH	(\$11,627.85)	\$0.00	\$0.00	\$0.00
10	PURCHASES WITH CASH BACK	(\$295.49)	\$0.00	\$0.00	\$0.00
11	ACCOUNT FUNDING	\$0.00	\$0.00	\$0.00	\$0.00
12	AFT - AA/PP	\$0.00	\$0.00	\$0.00	\$0.00
13	PURCHASE RETURNS	\$0.00	\$193.36	\$0.00	\$0.00
14	MANUAL CASH	\$0.00	\$0.00	\$0.00	\$0.00
15	ATM CASH	(\$2,595.32)	\$0.00	\$0.00	\$0.00
16	EMERGENCY CASH	\$0.00	\$0.00	\$0.00	\$0.00
17	BALANCE INQUIRIES	\$0.00	\$0.00	\$0.00	\$0.00
18	TOTAL CARD ACTIVITY	\$0.00	\$0.00	\$0.00	\$14,325.29
19	LOADS FI FUNDS TRANSFER	\$0.00	\$3,006.14	\$0.00	\$0.00
20	LOADS MERCHANT POS FUNDING	\$0.00	\$0.00	\$0.00	\$0.00
21	UNLOADS FI FUNDS TRANSFER	\$0.00	\$0.00	\$0.00	\$0.00
22	RELOADS FI FUNDS TRANSFER	\$0.00	\$17,597.93	\$0.00	\$0.00
23	RELOADS BYPASS	\$0.00	\$385.00	(\$385.00)	\$0.00
24	UNLOADS BYPASS	\$0.00	\$0.00	\$0.00	\$0.00
25	RELOADS MERCHANT ACQUIRER	\$0.00	\$120.00	\$0.00	\$0.00
26	TOTAL LOAD/UNLOAD ACTIVITY	\$0.00	\$21,109.07	\$0.00	\$0.00
27	TRANSACTION DISPUTES	\$0.00	\$0.00	\$0.00	\$0.00
28	MERCHANT ADJUSTMENTS	\$0.00	\$0.00	\$0.00	\$0.00
29	MANUAL ADJUSTMENTS	\$0.00	\$321.43	\$0.00	\$0.00
30	CLOSED FOR ESCHEATMENT	\$0.00	\$0.00	\$0.00	\$0.00
31	CARD PGM FEES	(\$182.84)	\$0.00	\$0.00	\$0.00
32	CARD PGM FEE ADJUSTMENTS	\$0.00	\$0.00	\$0.00	\$0.00
33	TOTAL CHANGE TO FEE INCOME ACCOUNT	\$347.10	\$0.00	\$0.00	\$0.00
34	TOTAL WIRE FOR TODAY	\$0.00	\$0.00	\$0.00	\$13,776.03
35	TOTAL CHANGE TO CFP	\$6,922.37	\$0.00	\$0.00	\$0.00
36	END OF DAY BALANCE (s/b \$500 less than balance on TranZact due to original \$5000 prefund)	\$0.00	\$441,188.42	\$0.00	\$0.00
37					
38					

Orlando San Juan, Systems and Finance Controller, states *“The utility program created for us not only solved the problem but also gave us the ability to analyze data. Using the utility program developed, our daily settlement processes was streamlined giving us time to double and triple check the numbers before it gets to the customer and banks.”*

Crystal Point is looking forward to working with Member Access Pacific again in the near future to automate even more of their different reports!