

Financial Services Demo

August 2021

Financial Services Demo Challenges and Solution

Customer Challenges

Financial services companies seeking multiple data source integration with global distributed MDM for CRM, GDPR, AML, fraud detection, reporting, BI, other analytics, compliance, regulatory, etc. solutions

Need self-service reporting, BI and analytics

Need a simple-to-use, fast and highly interactive graph database UI with data filtering

SmartData Fabric[®] (SDF) Solution

- Connect to data sources
- Address data discovery, quality and security
- Build indexes and instantiate adapters for data sources
- Map indexes to a Standard Data View and designate entities for link mapping and MDM
- Run and maintain distributed MDM
- Use reporting and BI application and execute queries on SDF directly not data extract mode
- Leverage OEM Cambridge Intelligence KeyLines server-based interactive graph visualization
- Develop additional views and controls, as needed

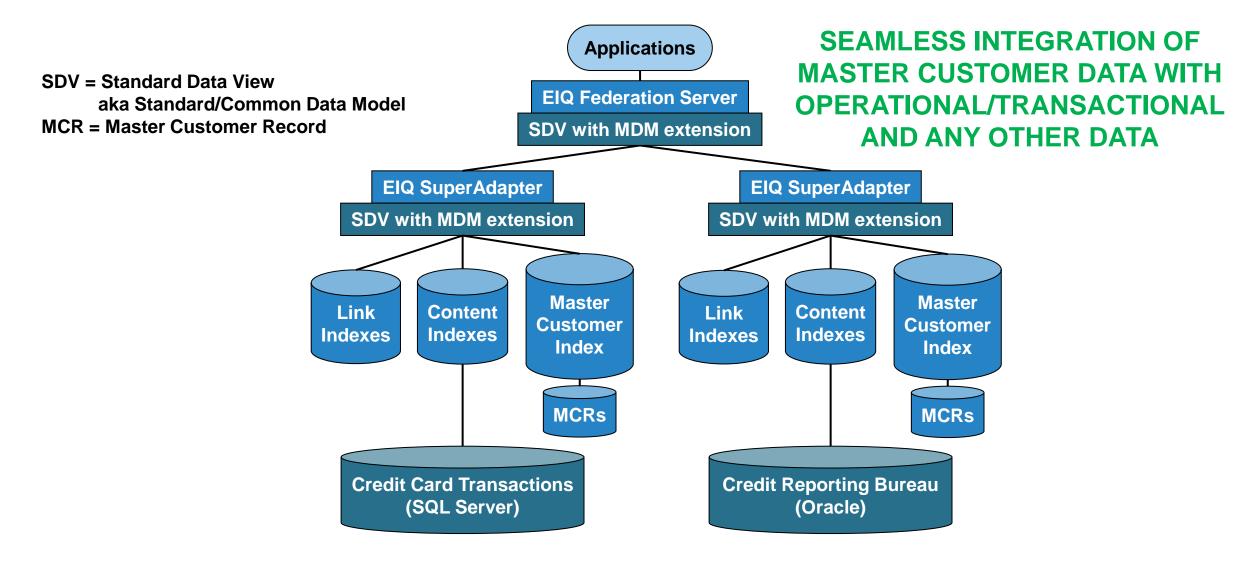
Demo Steps Available

- 1. Run automated network, device and data source discovery
- 2. Build data profiles with raw (unmodified data) indexes using a credit card transactions database and a credit bureau database
- 3. Configure data source adapters
- 4. Analyze raw index data profiles to develop and test data transforms
- 5. Build production indexes using data transforms on raw data
- 6. Map indexes to a Standard Data View (based on a Metadata Dictionary imported from a Standard Data Model usually from industry)
- 7. Configure a federation server across multiple data source adapters
- 8. Configure and build MDM
- 9. Run QlikView reports against an MDM-based integrated view of data in multiple data sources
- 10. Run a graph visualization of MDM-based credit card transactions
- 11. Run a virtual customer MDM-based graph visualization and report of all customer-related data, some of which could be identified as personal data according to GDPR



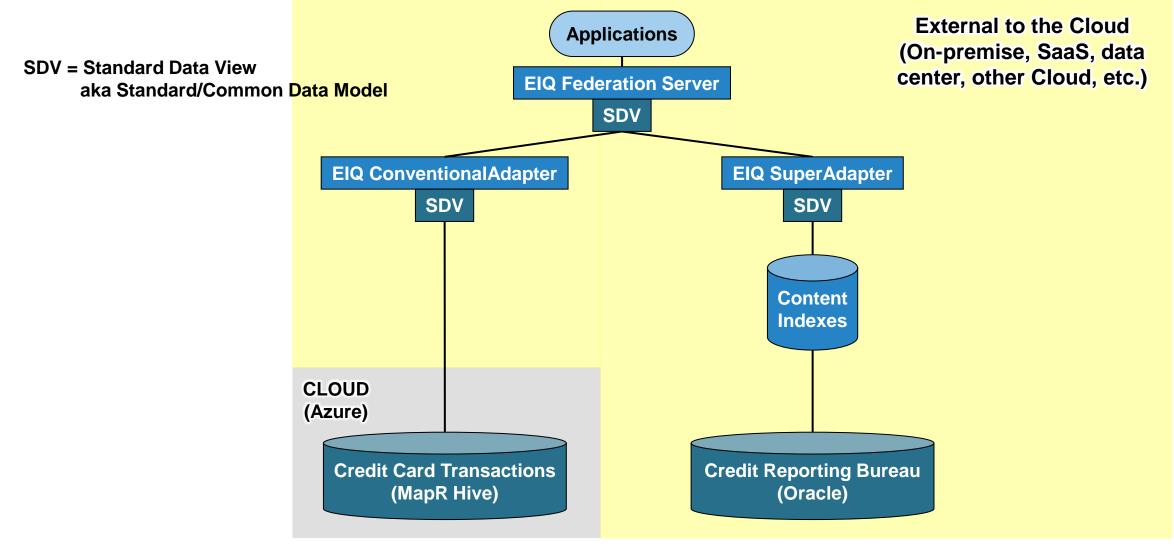
SmartData Fabric[®] security-centric distributed virtual data, master data and graph data management, and analytics

Demo Configuration



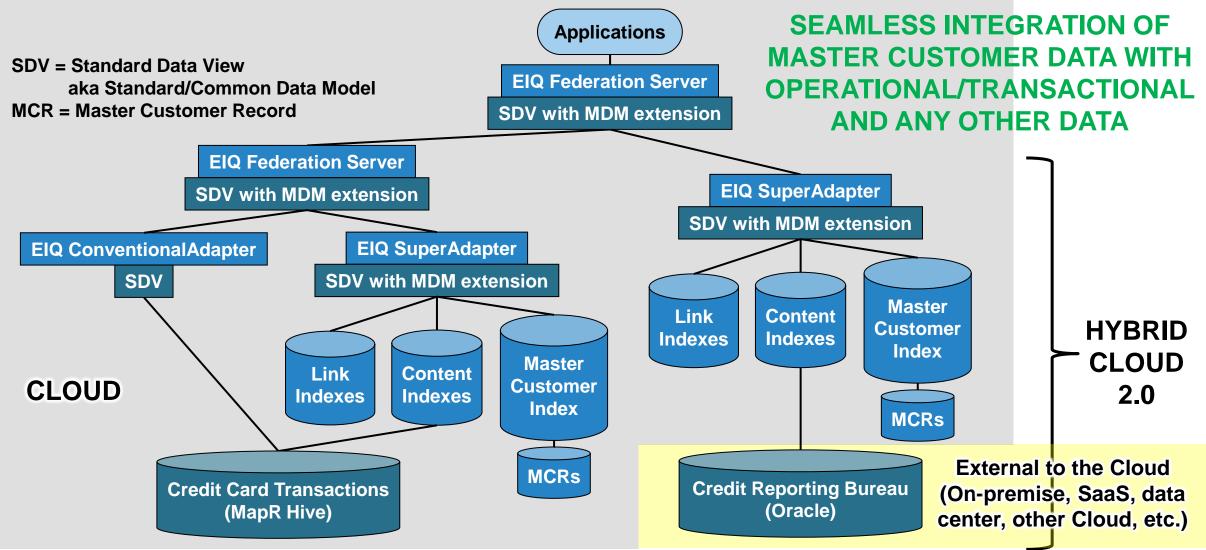


MapR Hive in Cloud Demo Configuration



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Future Cloud and Hybrid Cloud 2.0 Demo Configuration





Appendix: Demo Screenshots

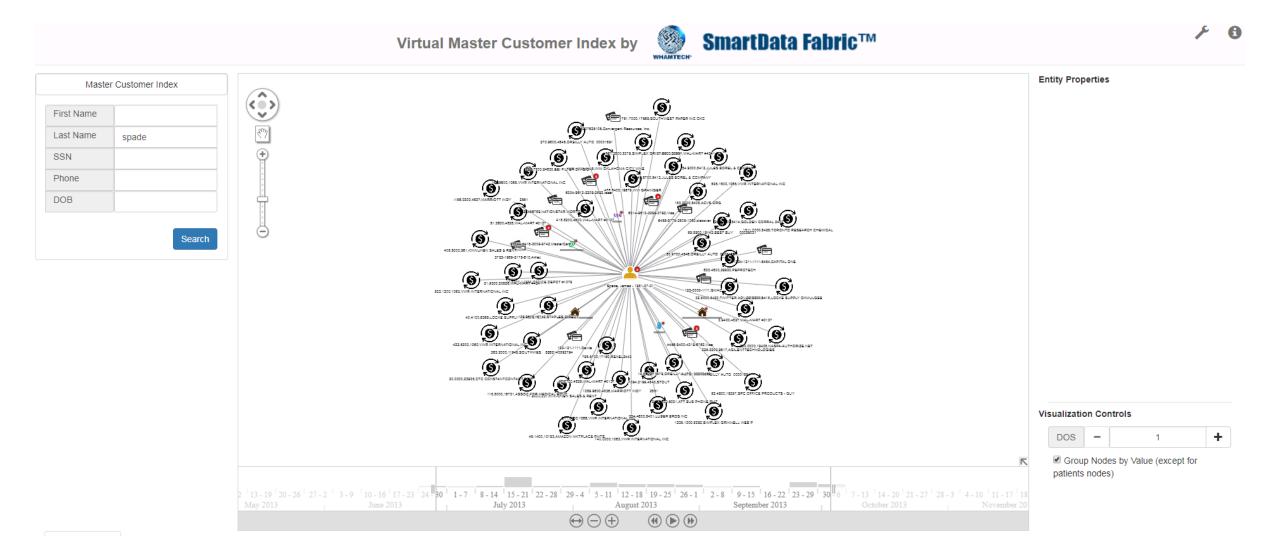
Demo videos are also available at <u>https://www.youtube.com/watch?v=NbyBOleNkZQ</u> or through <u>https://www.whamtech.com/financial-services-demo/</u> **WHAMTECH**

Web App for Virtual Master Customer Index (VMCI)

			Virtual Master Cu	stomer Index by	Sma	artData Fabric™			Æ
Maste	r Customer Index							Entity Properties	
First Name									
Last Name	spade								
SSN									
Phone									
DOB									
								Visualization Controls	
								Visualization Controls	+
Query Results									+
Query Results 1 to 1 rows. MPI_MDM_ID	Previous Next	MPI_LASTNAME	MPI_DOB	MPI_CITY	MPI_ZIP	MPI_STREET1	MPI_STATE		+

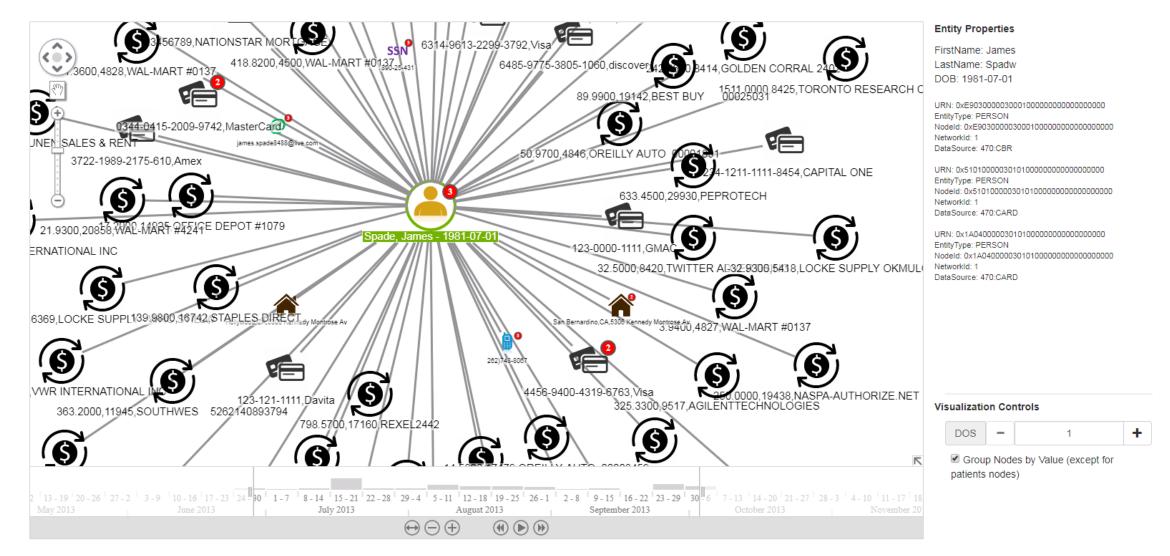


A PERSON-centric Linked Data View



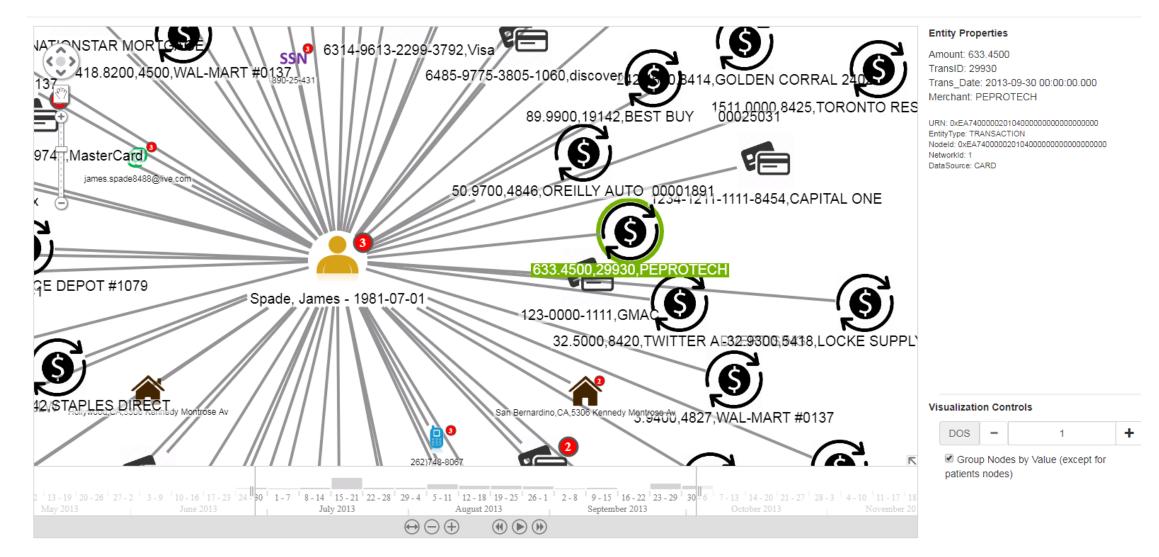


Close-up of PERSON-centric Linked Data

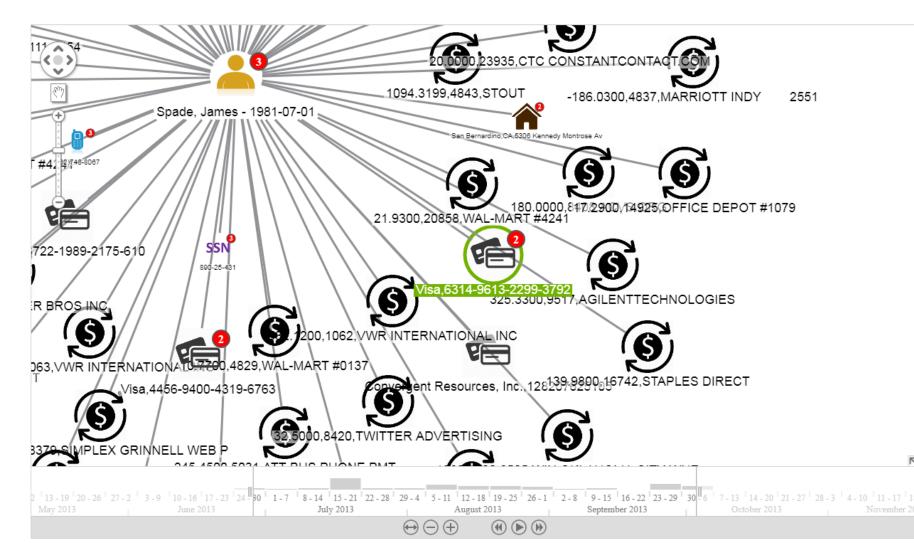




Transaction Detail and Metadata (1 of 2)



Transaction Detail and Metadata (2 of 2)



Entity Properties

Issuer: Visa AccountNumber: 6314-9613-2299-3792

URN: 0x0600000010003000000000000000 EntityType: ACCOUNT Nodeld: 0x0600000010003000000000000000 Networkld: 1 DataSource: CBR

URN: 0xE9030000010103000000000000000 EntityType: ACCOUNT Nodeld: 0xE90300000101030000000000000000 NetworkId: 1 DataSource: CARD

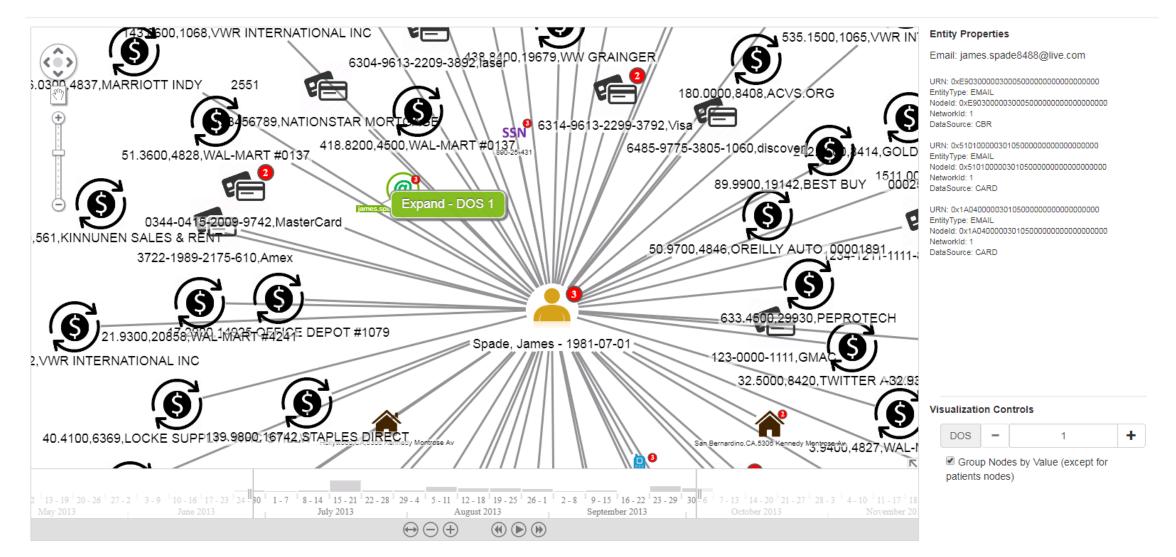
Visualization Controls



Group Nodes by Value (except for patients nodes)

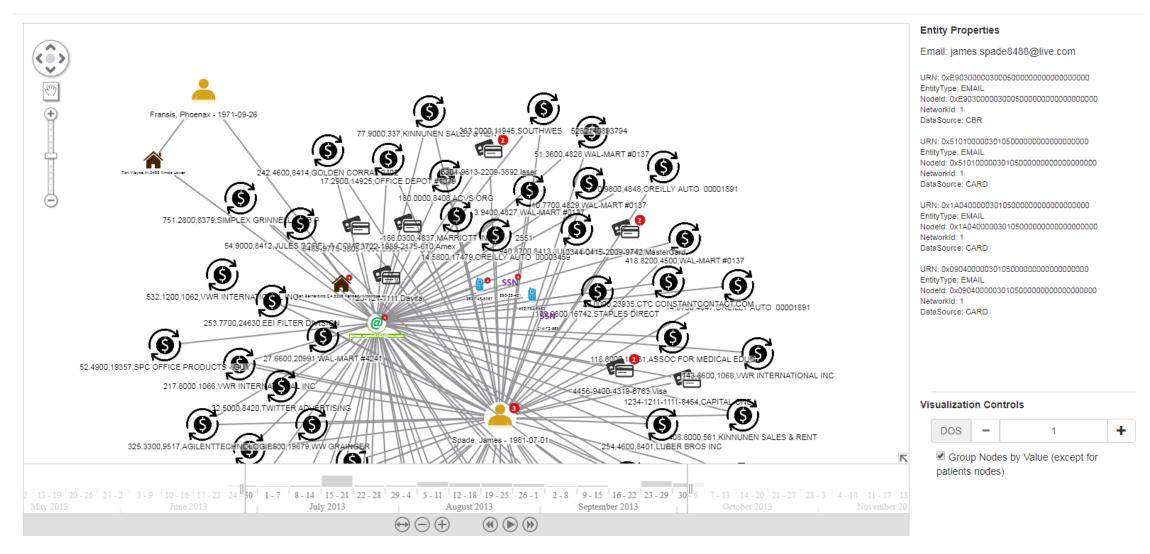


Expanding E-mail Data to View Customer Relationships





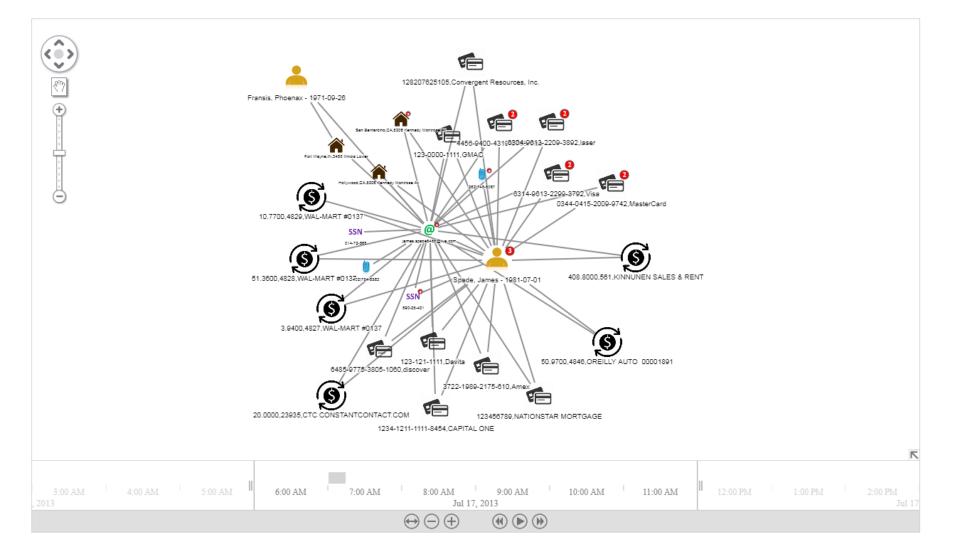
Show Relationships with Other Customers



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Customer Relationships: Applying a Timeframe Filter





360 Customer View: Summary

		Virtual Ma	ster Customer Ind	ex by 👷	SmartData	Fabric™		
Customer 360 View	SPADE, JAMES		MPI ID:	470				
I Dashboard								
	SPADE, JAMES		Contact Information					
Disputed Transactions	Here 1981-07-01 00:00:00.0			8488@LIVE.COM				
	5306 KENNEDY MONTROSE A	AV SAN BERNARDINO CA 92302	\$ (262)748-8067					
Transactions								
Credit History	CREDIT SCORE							
Credit Score	SCORE							
Clean Score	750							
	Debt							
	# of Account	Current Debt	Past Due	Credit Limit	Debt Ratio (S	%)	% Debt Past Due	
	9	38789.02	34988.06	494939.00	7.837131444		90.20093830676825	-
	Name Alies							
	Name Alias							
	Other Names James Spade							-
	James Spadw							
	Other Phones							
	Phone Number							
	(262)748-8067							-
	Other Address							
	Other Address							
	5306 Kennedy Montrose Av, San Be	ernardino, CA, 92302						-
	Credit Profile						· · ·	
	ACCOUNTNUMBER 0344-0415-2009-9742	Number Of Payment	S	Paid In Full	Partial 10	Missed Payment	Average Payment 103.551818181818	-
	123-0000-1111	46		46	0	0	295.0	
		16 46				0	275.184375 675.0506521739131	
	123456789	24		18	6	0	1784.613333333333	
	123-0000-1111 123-121-1111 1234-1211-1111-8454	46 16 46		46 1 33	0 15 13	0 0 0	295.0 275.184375 675.0506521739131	



360 Customer View: Disputed Transactions

Virtual Master Customer Index by



Customer 360 View	SPADE, JAMES								
I Dashboard	Disputed Transactions								
	Merchant	Trans Date	Amount	Status	IsDisputed	Date Posted	Used by	Street	merchantzip
Disputed Transactions	OREILLY AUTO 00001891 OREILLY AUTO 00001891 PEPROTECH	2013-07-17 00:00:00.0 2013-07-11 00:00:00.0 2013-09-30 00:00:00.0	50.9700 14.9700 633.4500	Approved Approved Approved	1	2013-07-18 2013-07-12 2013-10-02	James James James	null null null	85385 85385 80001
Transactions	TERROTECH	2010-03-00 00.00.00.0	000.4000	Appiored		2010-10-02	James	nun	00001
	Potential Fraud								
Credit History	None								
Credit Score									



SPADE LAMES

360 Customer View: Transactions

Virtual Master Customer Index by SmartData Fabric™

Customer 360 View	JI ADE,	JAMES									
I Dashboard	Transaction History										
Discuted	ID	Trans Date	Date Posted	Merchant	Account	Amount	IsDisputed				
Disputed	11945	2013-06-28 00:00:00.0	2013-07-01	SOUTHWES 5262140893794	4456-9400-4319-6763	363,2000	0				
Transactions	11945	2013-06-28 00:00:00.0	2013-07-01	SOUTHWES 5262140893794	6304-9613-2209-3892	363,2000	0				
	11945	2013-06-28 00:00:00.0	2013-07-01	SOUTHWES 5262140893794	0344-0415-2009-9742	363.2000	0				
	6369	2013-06-29 00:00:00.0	2013-07-02	LOCKE SUPPLY - WHC STILLW	4456-9400-4319-6763	40.4100	0				
ransactions	6369	2013-06-29 00:00:00.0	2013-07-02	LOCKE SUPPLY - WHC STILLW	6304-9613-2209-3892	40,4100	0				
	6369	2013-06-29 00:00:00.0	2013-07-02	LOCKE SUPPLY - WHC STILLW	0344-0415-2009-9742	40.4100	0				
redit History	4837	2013-07-02 00:00:00.0	2013-07-03	MARRIOTT INDY 2551	4456-9400-4319-6763	-186.0300	0				
real motory	4837	2013-07-02 00:00:00.0	2013-07-03	MARRIOTT INDY 2551	6304-9613-2209-3892	-186.0300	0				
	4837	2013-07-02 00:00:00.0	2013-07-03	MARRIOTT INDY 2551	0344-0415-2009-9742	-186.0300	0				
redit Score	4847	2013-07-11 00:00:00.0	2013-07-12	OREILLY AUTO 00001891	4456-9400-4319-6763	14.9700	1				
	4847	2013-07-11 00:00:00.0	2013-07-12	OREILLY AUTO 00001891	6304-9613-2209-3892	14.9700	1				
	4847	2013-07-11 00:00:00.0	2013-07-12	OREILLY AUTO 00001891	0344-0415-2009-9742	14.9700	1				
	4848	2013-07-12 00:00:00.0	2013-07-12	OREILLY AUTO 00001891	4456-9400-4319-6763	270.9800	0				
	4848	2013-07-12 00:00:00.0	2013-07-15	OREILLY AUTO 00001891	6304-9613-2209-3892	270.9800	0				
	4848	2013-07-12 00:00:00.0	2013-07-15	OREILLY AUTO 00001891	0344-0415-2009-9742	270.9800	0				
	561	2013-07-17 00:00:00.0	2013-07-18	KINNUNEN SALES & RENT	4456-9400-4319-6763	408.8000	0				
	561	2013-07-17 00:00:00:0	2013-07-18	KINNUNEN SALES & RENT	6304-9613-2209-3892	408.8000	0				
	561	2013-07-17 00:00:00:0	2013-07-18	KINNUNEN SALES & RENT	0344-0415-2009-9742	408.8000	0				
	4827	2013-07-17 00:00:00:0	2013-07-18	WAL-MART #0137	4456-9400-4319-6763	3.9400	0				
	4827	2013-07-17 00:00:00:0	2013-07-18	WAL-MART #0137 WAL-MART #0137	6304-9613-2209-3892	3.9400	0				
	4827		2013-07-18			3.9400	0				
		2013-07-17 00:00:00.0		WAL-MART #0137	0344-0415-2009-9742		0				
	4828	2013-07-17 00:00:00.0	2013-07-18	WAL-MART #0137	4456-9400-4319-6763	51.3600	0				
	4828	2013-07-17 00:00:00.0	2013-07-18	WAL-MART #0137	6304-9613-2209-3892	51.3600	0				
	4828	2013-07-17 00:00:00.0	2013-07-18	WAL-MART #0137	0344-0415-2009-9742	51.3600	0				
	4846	2013-07-17 00:00:00.0	2013-07-18	OREILLY AUTO 00001891	4456-9400-4319-6763	50.9700	1				
	4846	2013-07-17 00:00:00.0	2013-07-18	OREILLY AUTO 00001891	6304-9613-2209-3892	50.9700	1				
	4846	2013-07-17 00:00:00.0	2013-07-18	OREILLY AUTO 00001891	0344-0415-2009-9742	50.9700	1				
	23935	2013-07-17 00:00:00.0	2013-07-18	CTC CONSTANTCONTACT.COM	4456-9400-4319-6763	20.0000	0				
	23935	2013-07-17 00:00:00.0	2013-07-18	CTC CONSTANTCONTACT.COM	6304-9613-2209-3892	20.0000	0				
	23935	2013-07-17 00:00:00.0	2013-07-18	CTC CONSTANTCONTACT.COM	0344-0415-2009-9742	20.0000	0				
	4836	2013-07-18 00:00:00.0	2013-07-19	MARRIOTT INDY 2551	4456-9400-4319-6763	1389.9600	0				
	4836	2013-07-18 00:00:00.0	2013-07-19	MARRIOTT INDY 2551	6304-9613-2209-3892	1389.9600	0				
	4836	2013-07-18 00:00:00.0	2013-07-19	MARRIOTT INDY 2551	0344-0415-2009-9742	1389.9600	0				
	4843	2013-07-18 00:00:00.0	2013-07-22	STOUT	4456-9400-4319-6763	1094.3199	0				
	4843	2013-07-18 00:00:00.0	2013-07-22	STOUT	6304-9613-2209-3892	1094.3199	0				
	4843	2013-07-18 00:00:00.0	2013-07-22	STOUT	0344-0415-2009-9742	1094.3199	0				
	19679	2013-07-19 00:00:00.0	2013-07-22	WW GRAINGER	4456-9400-4319-6763	438.8400	0				
	19679	2013-07-19 00:00:00.0	2013-07-22	WW GRAINGER	6304-9613-2209-3892	438.8400	0				
	19679	2013-07-19 00:00:00.0	2013-07-22	WW GRAINGER	0344-0415-2009-9742	438.8400	0				
	5031	2013-07-20 00:00:00.0	2013-07-22	ATT BUS PHONE PMT	4456-9400-4319-6763	245.4500	0				
	5031	2013-07-20 00:00:00.0	2013-07-22	ATT BUS PHONE PMT	6304-9613-2209-3892	245.4500	0				
	5031	2013-07-20 00:00:00.0	2013-07-22	ATT BUS PHONE PMT	0344-0415-2009-9742	245.4500	0				
	19142	2013-07-23 00:00:00.0	2013-07-24	BEST BUY 00025031	4456-9400-4319-6763	89.9900	0				
	19142	2013-07-23 00:00:00.0	2013-07-24	BEST BUY 00025031	6304-9613-2209-3892	89.9900	0				
	19142	2013-07-23 00:00:00.0	2013-07-24	BEST BUY 00025031	0344-0415-2009-9742	89.9900	0				
	8413	2013-08-02 00:00:00.0	2013-08-05	JULES BOREL & COMPANY	4456-9400-4319-6763	940.8700	0				
	8/13	2013-08-02 00:00:00 0	2013-08-05	JULES BOREL & COMPANY	6304-9613-2209-3892	940.8700	0				



360 Customer View: Credit History

Virtual Master Customer Index by

SmartData Fabric™

Dashboard	Credit History							
	Report Date	Туре	Account Number	Creditor	Amount Due	Payment Date	Payment Received	Payment Status
Disputed	2013-08-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	82.23	2013-07-31 00:00:00.0	6.17	Partial Pav
Fransactions	2013-09-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	874.04	2013-08-31 00:00:00.0	29.92	Partial Pay
	2013-10-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	1137.88	2013-09-30 00:00:00.0	224.98	Partial Pav
Transactions	2013-11-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	1135.84	2013-10-31 00:00:00.0	3.00	Partial Pay
Fransactions	2013-12-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	1132.84	null	null	No Payment
	2014-01-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	1132.84	null	null	No Payment
Credit History	2016-06-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	150.00	null	150.00	Pay as agreed
	2016-07-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	700.00	2016-07-10 00:00:00.0	150.00	Partial Pav
	2016-08-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	2700.00	2016-08-10 00:00:00.0	150.00	Partial Pay
Credit Score	2016-09-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	5000.00	2016-09-10 00:00:00.0	150.00	Partial Pay
	2016-10-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	7500.00	2016-10-10 00:00:00.0	150.00	Partial Pay
	2016-11-30 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	9500.00	null	null	No Payment
	2016-12-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	15000.00	2016-12-10 00:00:00.0	100.00	Partial Pay
	2017-01-31 00:00:00.0	Revolving	0344-0415-2009-9742	MasterCard	19525.00	2017-01-10 00:00:00.0	25.00	Partial Pay
	2013-10-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2013-10-17 00:00:00.0	295.00	Pay as agreed
	2013-11-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2013-11-17 00:00:00.0	295.00	Pay as agreed
	2013-12-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2013-12-17 00:00:00.0	295.00	Pay as agreed
	2014-01-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-01-17 00:00:00.0	295.00	Pay as agreed
	2014-02-28 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-02-17 00:00:00.0	295.00	Pay as agreed
	2014-03-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-03-17 00:00:00.0	295.00	Pay as agreed
	2014-04-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-04-17 00:00:00.0	295.00	Pay as agreed
	2014-05-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-05-17 00:00:00.0	295.00	Pay as agreed
	2014-06-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-06-17 00:00:00.0	295.00	Pay as agreed
	2014-07-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-07-17 00:00:00.0	295.00	Pay as agreed
	2014-08-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-08-17 00:00:00.0	295.00	Pay as agreed
	2014-09-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-09-17 00:00:00.0	295.00	Pay as agreed
	2014-10-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-10-17 00:00:00.0	295.00	Pay as agreed
	2014-11-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-11-17 00:00:00.0	295.00	Pay as agreed
	2014-12-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2014-12-17 00:00:00.0	295.00	Pay as agreed
	2015-01-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-01-17 00:00:00.0	295.00	Pay as agreed
	2015-02-28 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-02-17 00:00:00.0	295.00	Pay as agreed
	2015-03-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-03-17 00:00:00.0	295.00	Pay as agreed
	2015-04-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-04-17 00:00:00.0	295.00	Pay as agreed
	2015-05-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-05-17 00:00:00.0	295.00	Pay as agreed
	2015-06-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-06-17 00:00:00.0	295.00	Pay as agreed
	2015-07-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-07-17 00:00:00.0	295.00	Pay as agreed
	2015-08-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-08-17 00:00:00.0	295.00	Pay as agreed
	2015-09-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-09-17 00:00:00.0	295.00	Pay as agreed
	2015-10-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-10-17 00:00:00.0	295.00	Pay as agreed
	2015-11-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-11-17 00:00:00.0	295.00	Pay as agreed
	2015-12-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2015-12-17 00:00:00.0	295.00	Pay as agreed
	2016-01-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2016-01-17 00:00:00.0	295.00	Pay as agreed
	2016-02-29 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2016-02-17 00:00:00.0	295.00	Pay as agreed
	2016-03-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2016-03-17 00:00:00.0	295.00	Pay as agreed
	2016-04-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2016-04-17 00:00:00.0	295.00	Pay as agreed
	2016-05-31 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2016-05-17 00:00:00.0	295.00	Pay as agreed
	2016-06-30 00:00:00.0	Automobile	123-0000-1111	GMAC	295.00	2016-06-17 00:00:00.0	295.00	Pay as agreed

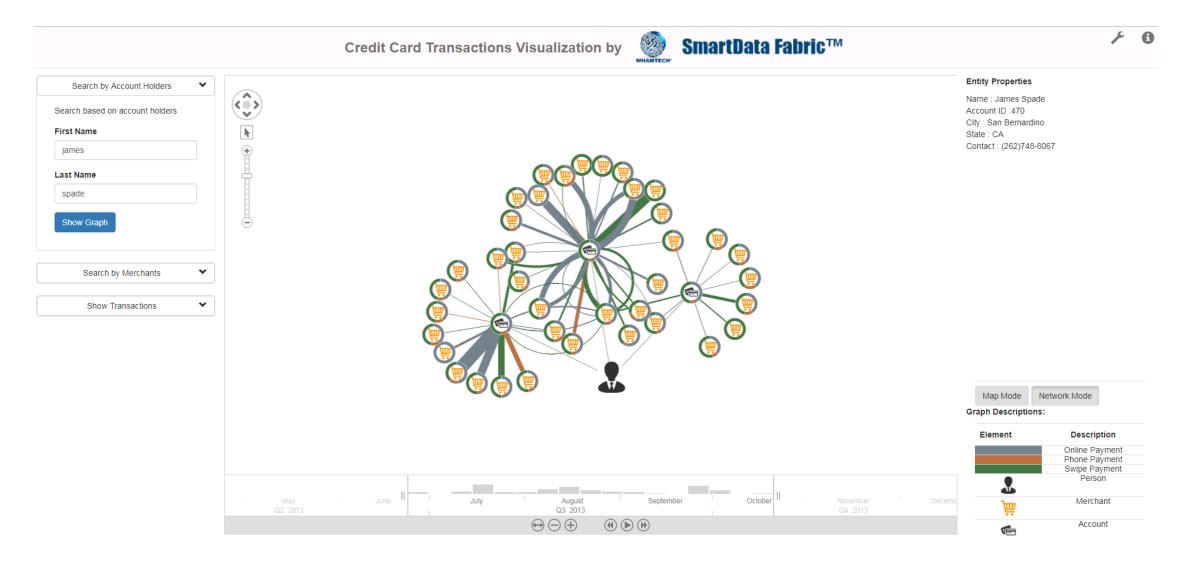


360 Customer View: Credit Score

		Virtual Master Customer Index by	WHAMTECH	SmartData Fabric™	
Customer 360 View	SPADE, JAMES				
al Dashboard	Credit Score				
Disputed Transactions Transactions	PERIOD 2013-06-30 00:00:00.0 2014-06-30 00:00:00.0 2015-06-30 00:00:00.0 2016-06-30 00:00:00.0				SCORE 650 680 670 720
Credit History	2017-06-30 00:00:00.0				750
Credit Score					

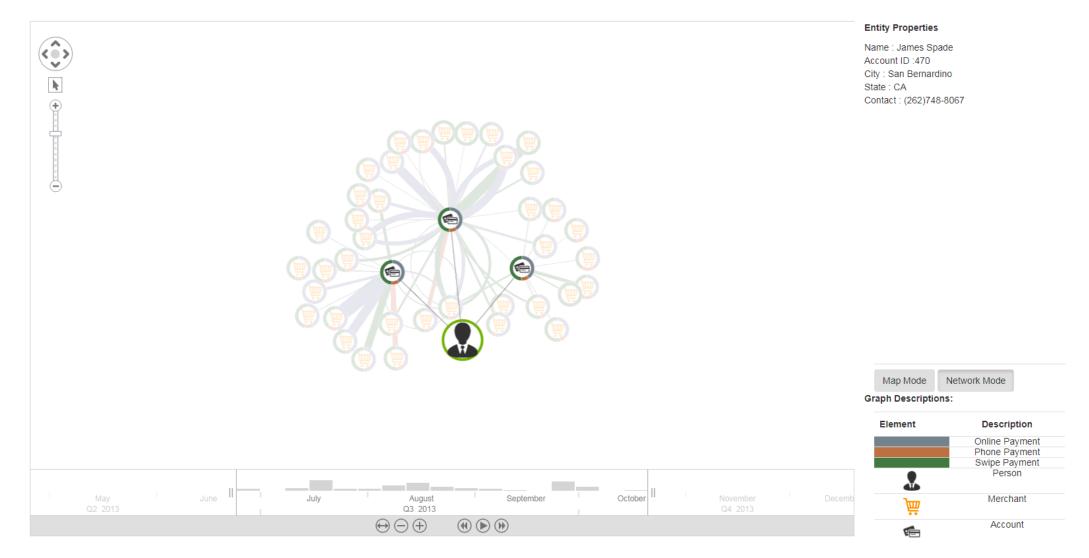
WHAMTECH

Transaction View Based on Customer and Merchants



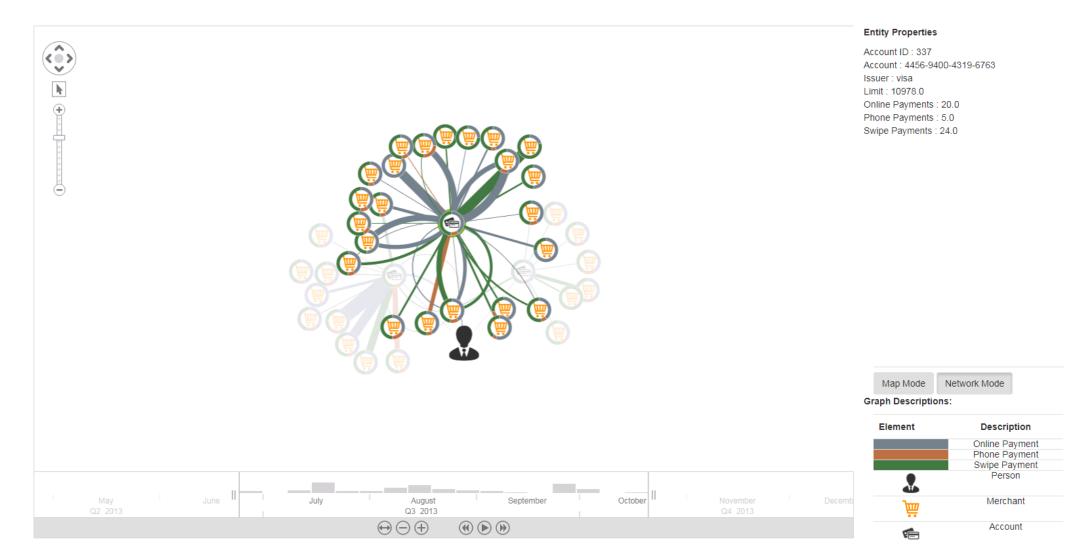


Discovering Customer Accounts



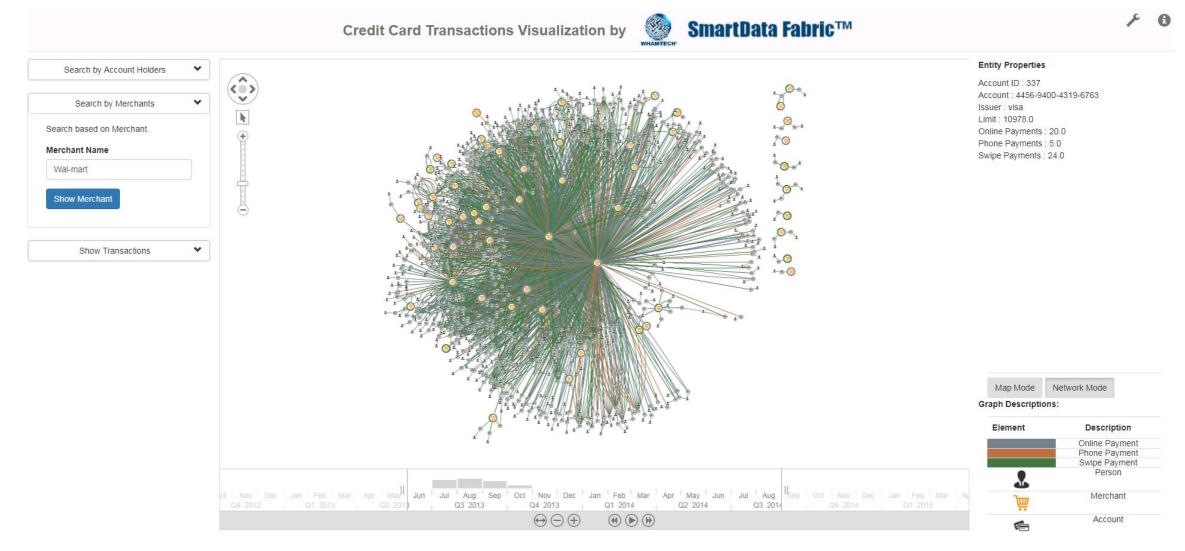


Highlighting a Customer Account



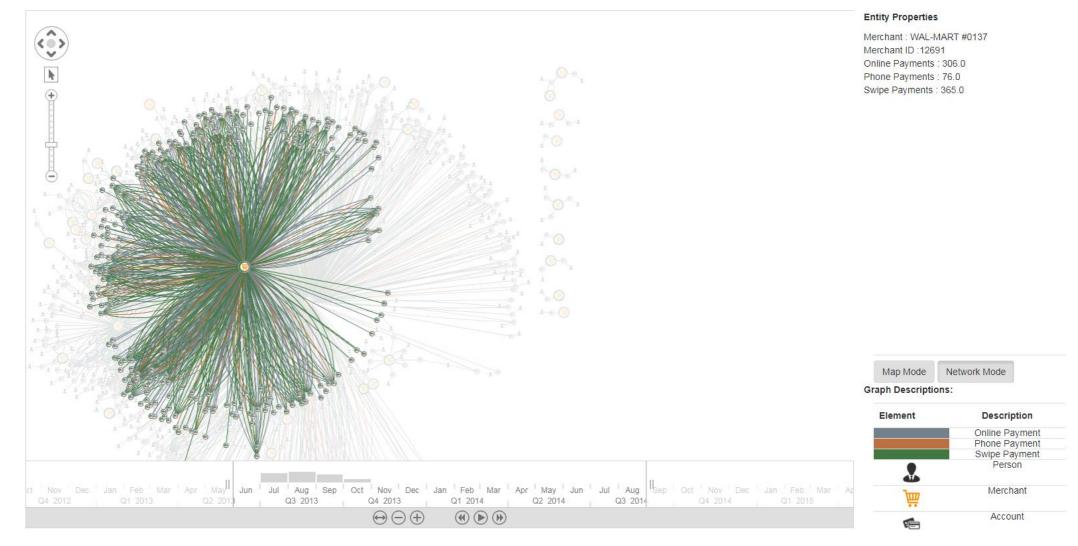


360 Merchant View



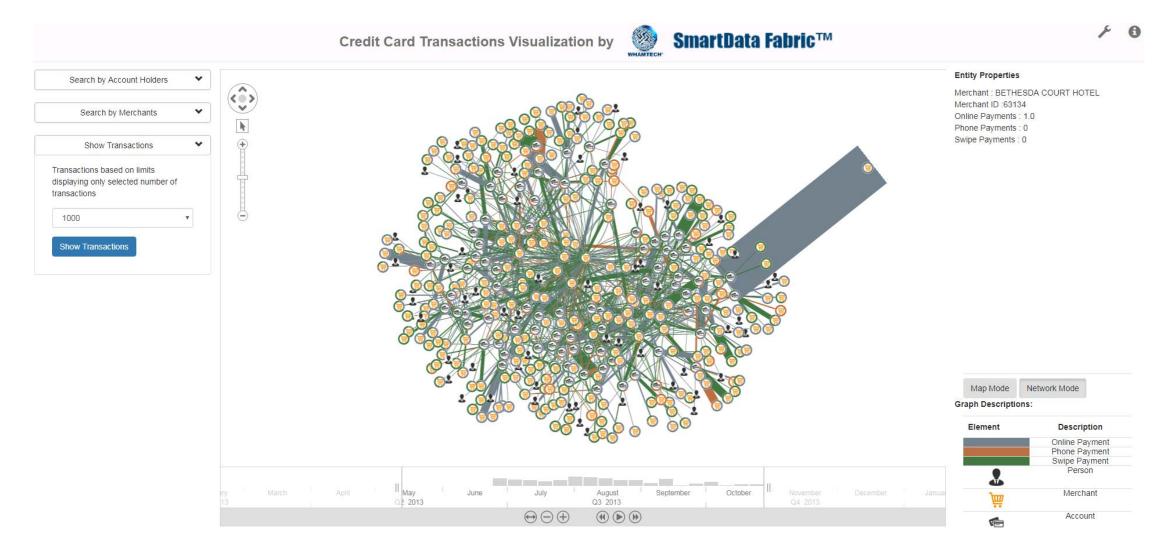


360 Merchant View with Filter Applied





Transaction View with Link Width Based on Amount





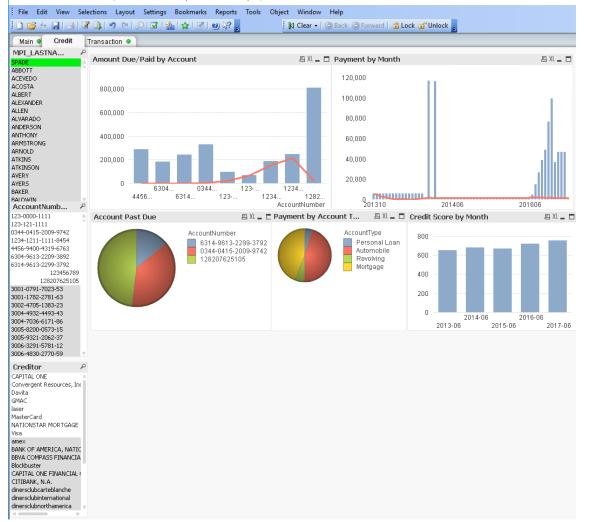
QlikView Report (1 of 3)

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Main Credit 🔹	Transaction	•										
MPI_LASTNA P	Account C	verview					E	XL 🗕 🗖	Average Credit S	icore i	🖻 XL 🗕 🗖	
PADE	AccountNum			fo Date	Balance		Past Due			,		
BBOTT	4456-9400-43		11,099.60	\$1,306.85		\$0.00		\$0.00		<u> </u>		
CEVEDO COSTA	6304-9613-22		\$4,169.36	\$1,086.50		,884.85	±40	\$0.00				
ALBERT	6314-9613-22 0344-0415-20		\$2,932.78 \$268.77	\$1,859.65 \$5,695.35		5,000.00 5,000.00		5,000.00 5,000.00				
ALEXANDER	123-121-1111		\$0.00	\$22,014.75		\$0.00	р1,304	\$0.00				
ALLEN	123-0000-111		\$0.00	\$67,850.00		3,350.00		\$0.00				
ALVARADO	1234-1211-11		\$0.00	\$155,261.65		,950.00		\$0.00				
ANDERSON	12345	6789	\$0.00	\$214,153.60		\$0.00		\$0.00		<u> </u>		
ANTHONY	12820762	5105	\$0.00	\$19,235.00	\$313	3,312.15	\$1,719	9,335.90	/	`		
RMSTRONG	Disputed	Transaction	昌XL	🗕 🗖 Balar	nce by Ac	count	E	XL 🗖	Transactions by	Pay	🗉 XL 💶 🗖	
RNOLD												
TKINS TKINSON			_				Account	Number			entMethod	
AVERY							034				nline	
AYERS	500						631				hone	
BAKER							128			5	wipe	
SALDWIN V							123					
AccountNumb P						/	630					
23-0000-1111	0	2	013				123	4				
23-121-1111		2.	Trans_C	Date								
344-0415-2009-9742	Top 10 Me	archant			ΕX	_ 0	Power o	of MDM				e XL 🗖 🗖
1234-1211-1111-8454 1456-9400-4319-6763	100 10 110	a chuire)ata Sou	rce Las	stName FirstName	MPI M	IDM_ID Red	ord Count
304-9613-2209-3892			MerchantNam	е								1164
314-9613-2299-3792			WWR INTE	RNATIONAL	INC	0	ARD_REI	Q Spa	ide James		470	35
123456789				GRINNELLV			ARD_REI				470	9
128207625105			SOUTHWI	EST PAPER	INC OKC	0	BR_REIQ	Spa	ide James		470	1120
8001-0791-7023-53				RESEARC		AL						
3001-1782-2781-63			MARRIOT		551							
3002-4705-1383-23				HOMA CITY	WNE							
3004-4932-4493-43			STOUT		DANK							
3004-7036-6171-86 3005-8200-0573-15			REXEL24	REL & COM	PANT							
3005-9321-2062-37			PEPROTE									
3006-3291-5781-12												
3006-4830-2770-59												
Creditor P												
APITAL ONE												
onvergent Resources, Inc												
avita												
MAC												
ser												
lasterCard												
ATIONSTAR MORTGAGE												
sa												
mex ANK OF AMERICA, NATIC												
BVA COMPASS FINANCIA												
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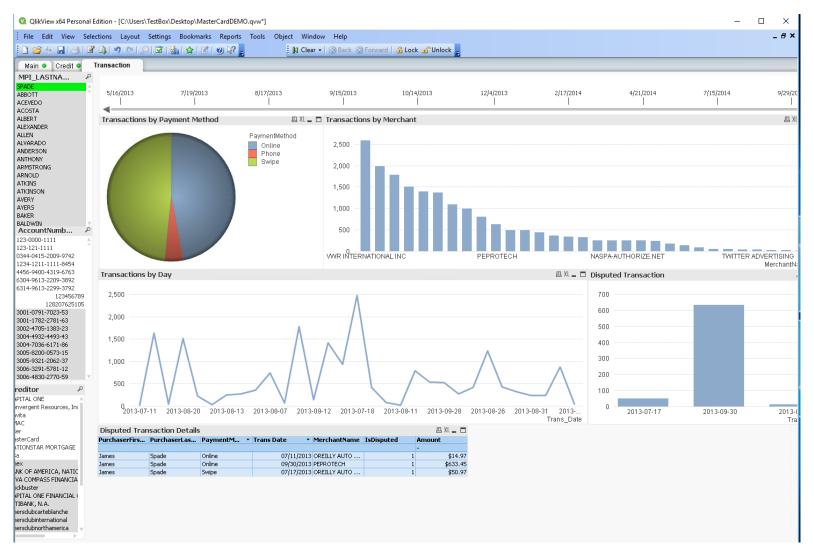
QlikView Report (2 of 3)

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QlikView Report (3 of 3)





The End