



650 Bloomfield Ave, Suite 102  
Bloomfield, NJ 07003

**p.** 973.743.1277  
**f.** 973.743.1278  
**e.** [info@surroundtech.com](mailto:info@surroundtech.com)  
**w.** [www.surroundtech.com](http://www.surroundtech.com)

**Contact:**

Lee Paul (CEO)  
c. 239.405.8427  
e. [lpaul@surroundtech.com](mailto:lpaul@surroundtech.com)

**FOR IMMEDIATE RELEASE**

## Surround Technologies Announces New Accelerator™ for .NET Version 4.3

*Bloomfield, NJ – December 3, 2013* – Surround Technologies announces the general availability of version 4.3 of its Accelerator™ for .NET software development platform, a premier productivity solution for the development and use of desktop, browser and mobile .NET applications with Windows, Windows Azure, IBM i and IBM System z.

Whether modernizing legacy applications or creating new functionality, with Accelerator developers can Develop Faster, with Better results, and More functionality to deliver the software your customers, employees, business partners, and vendors will love, without limitations, lock in or dead ends.

Accelerator™ for .NET Version 4.3 builds on top of the amazing success of its 4.2 release earlier this year. Included in this version you will find generation wizard and code enhancer improvements as well as many new features within our ASP.NET MVC UX which supports desktop browsers, tablets and mobile devices. We are also proud to announce our new Advanced Query Reporting Tool [BETA] further evolving the Accelerator into a tool which can provide endless scalability to any organization's reporting needs.

Here are the Accelerator™ for .NET V4.3 highlighted features:

- **Generation Wizard Plugin** – Generation continues to become even more intuitive and more efficient. Each new version adds more capabilities providing developers greater time savings. Version 4.3 focused extensively on Open Generation Technology (OGT). OGT provides developers the ability to customize all aspects of code generation. With existing support for developers to modify generation templates as well as naming standards of created objects, version 4.3 now premieres support for a generation wizard plugin. The plugin, a .NET class, implements the Accelerator's wizard generation interface. The developer then, through coding, has full control to access all the data that is collected by the wizard including the ability to add rules to modify the initial defaults of the module manager. The ability to default all generation options including rules and standards provides incredible time savings. This new addition to our Open Generation Technology (OGT) reinforces our continued effort to accelerate development by allowing developers to extend generation and add their own repeatable development processes while promoting and supporting company standards and best practices.
- **Code Enhancer** – Introduced in version 4.2, the Code Enhancer, has been enhanced to support additional intelligence in the analysis of code and database inconsistencies. This added intelligence further extends the Code Enhancers ability to analyze, identify and suggest code enhancements. Analysis of added, changed or removed fields has been extended to include differences in types, lengths, keys and names. This update adds the ability to add or reject recommendations with the ability to update the Accelerator Database and the complete end-to-end codebase for the WPF and ASP.NET MVC User Interfaces. The Code Enhancer reinforces our strategy and commitment to accelerate the development and support of Agile Development.

- **ASP.NET MVC Browser and Mobile UX** - Improvements to the Browser and Mobile views provide easier navigation of the system and data. The ability to filter data in both views adds to the efficiency of narrowing results. Visual feedback has been added to show the number of records returned and the number of records currently loaded. Autoscrolling allows users the ability to seamlessly load results when the end of the page has been reached. Cloud plugins for module favorites and history are now supported in the Mobile UX. Users can now take their favorites and navigation history with them across all UXs (Windows, web or mobile). Customizable drop downs for all UXs have been implemented allowing developers to configure how data is loaded. Data can be loaded on demand or as the screen loads with optional support for a configurable max count with a “more” option optimizing the user’s experience with large data sets. Additional options for the new drop down include opening of details and creating new records with the correct security permissions. Additional enhancements include support for Email, Maps, Telephone Attributes and more.  
[ See additional media below: [Browser 1.png](#) and [Mobile 1.png](#) ]  
[ Additional angles available in attached ZIP archive ]
- **Advanced Query Reporting Tool (Beta)** - The Advanced Query Reporting Tool will allow an end user to build their own custom queries by selecting a primary module from a list of query enabled modules within the system. Without any SQL experience, a user can add selection clauses using columns (or fields) from the primary module as well as secondary modules based on the 1:M relationship model defined in the Accelerator metadata database. With a very simple Query Builder UX, the user can add selection filters and then format the output of the data by selecting the fields, sequence and sort order which will all be saved along with the query definition. The ability to save the query makes it quicker and easier to rerun frequently used reports and also provides a way to distribute information to other users by simply marking the Query as shared. This also allows an Administrator to provide a set of predefined shared queries for access by all Users. The Advanced Query Reporting Tool will generate the necessary SQL code that will retrieve the data from the system and show the results in a newly created tab within the main window. Query results can be easily exported to MS Excel to work with and analyze the data as well as have complete control over its presentation. The Advanced Query Reporting Tool is a system task pane that is always accessible by the user and designed to easily find and run a query. The user will be able to apply different views to see All Queries, Shared Queries or My Queries. A Quick Access tab is also available to show the queries available for the currently selected module in the navigator. From the technical side, a developer has full control over what modules are available to the Advanced Query Reporting Tool as well as what columns (or fields) are available for the selection clauses and output format.  
[ See additional media below: [Query Detail 1.png](#) and [Query Results.png](#) ]  
[ Additional angles available in attached ZIP archive ]
- **Continued Support for Continuous Integration (CI)** - Continuous Integration is a software development practice allowing team members to frequently integrate their work reducing build and integration problems commonly found in development. The Accelerator Dependency Tool now creates an “msbuild.bat” which runs the project dependency analysis and creates and optimized build script capable of using multiple processes. This enhancement allows development teams to efficiently automate single or multiple project solutions for use with Continuous Integration.



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- **Continued Support for Inversion of Control (IOC)** – The Accelerator metadata database has been extended to store assembly information for all generated objects. This will allow a developer to access other assemblies without needing to have a direct reference to that assembly. The developer can use the AB\_IOC class to return an instance of an object based on the data supplied from the Metadata database. The object reference can then be accessed via its base class or interfaces. This allows the object that gets instantiated to be easily changed via a table entry and will also eliminate any issues with circular referencing.  
[ See additional media below: IOC.png ]

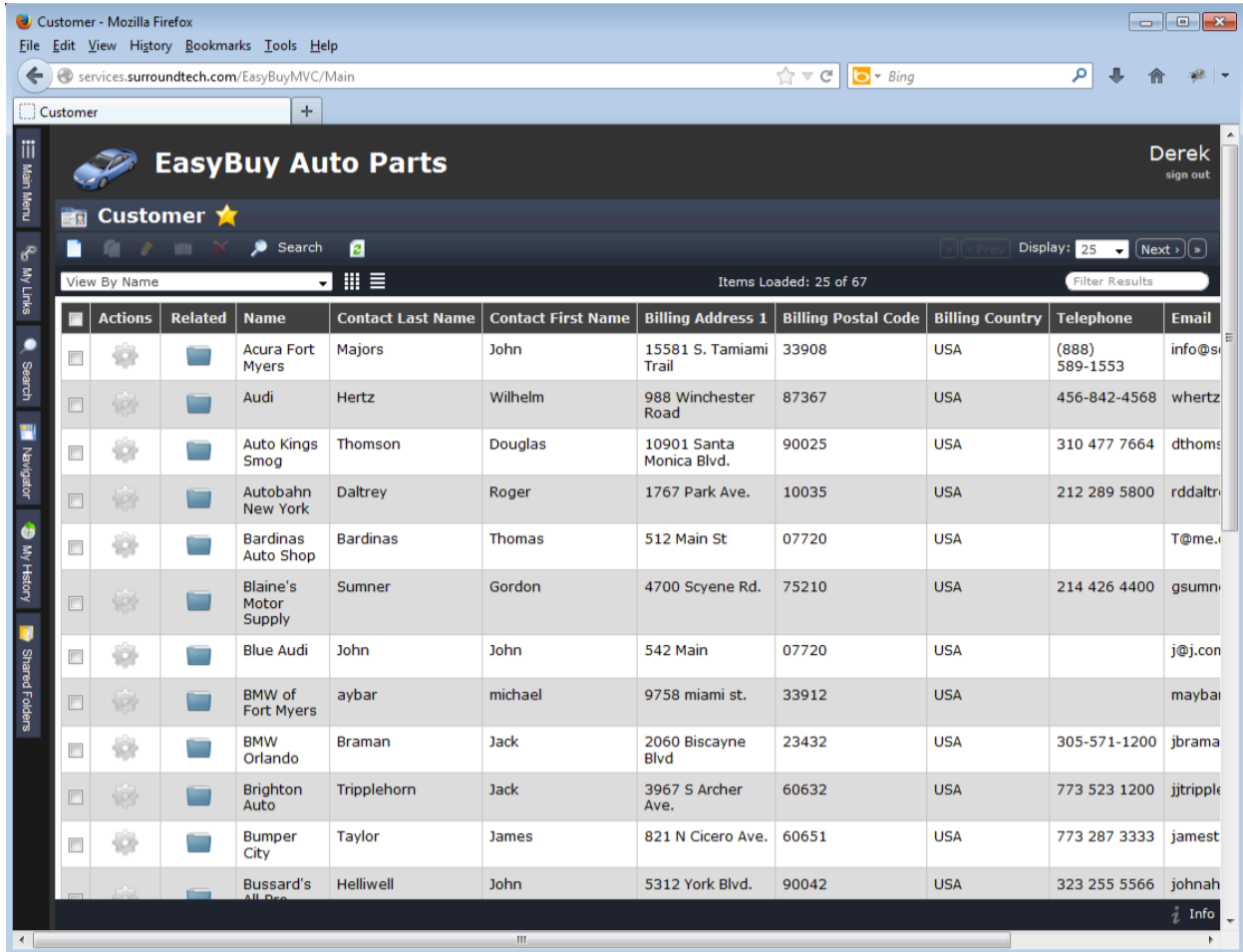
Accelerator for .NET Version 4.3 continues to build on the existing legacy of developing more, developing better and developing faster. The Accelerator allows for a range of options, from reusing code while building a rich user interface, to completely rebuilding systems, and everything in between. Additional Information can be found on <http://www.surroundtech.com> or by requesting additional materials from Lee Paul, Media Contact for this release.

#### **About Surround Technologies:**

Surround Technologies is a software innovation business with solutions and services to substantially accelerate the development and delivery of state-of-the-art software for companies of all sizes and in any industry. Surround's Accelerator Development Solutions is a complete suite of Open Frameworks and Tools that empower developers to Develop Faster, with Better results, and More functionality to deliver the software customers, employees, business partners, and vendors will love. The resulting systems allow for the seamless integration of .NET with IBM i or Windows servers to enhance user experience and productivity, and drive greater growth and profit for the business. Learn more at [www.SurroundTech.com](http://www.SurroundTech.com).

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**ADDITIONAL MEDIA:**



Customer - Mozilla Firefox  
services.surroundtech.com/EasyBuyMVC/Main

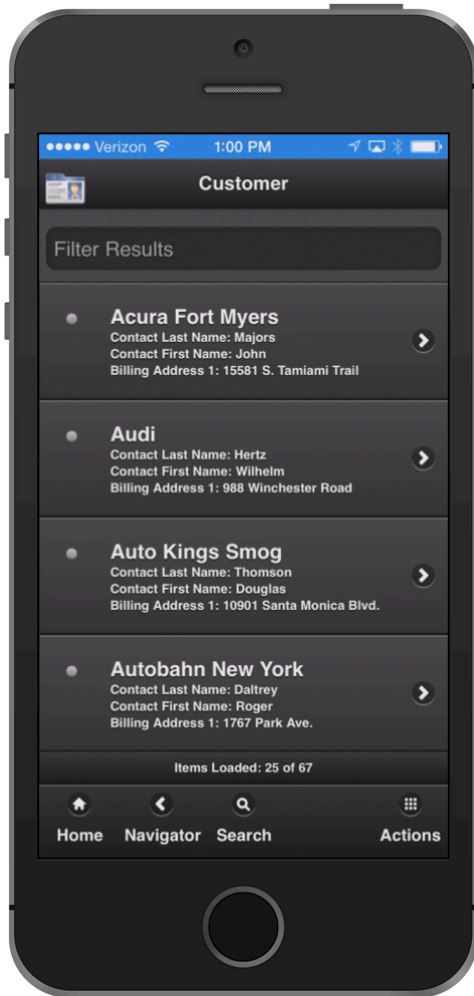
EasyBuy Auto Parts  
Derek sign out

Customer ★  
Search  
View By Name  
Items Loaded: 25 of 67  
Filter Results

Actions	Related	Name	Contact Last Name	Contact First Name	Billing Address 1	Billing Postal Code	Billing Country	Telephone	Email
		Acura Fort Myers	Majors	John	15581 S. Tamiami Trail	33908	USA	(888) 589-1553	info@si
		Audi	Hertz	Wilhelm	988 Winchester Road	87367	USA	456-842-4568	whertz
		Auto Kings Smog	Thomson	Douglas	10901 Santa Monica Blvd.	90025	USA	310 477 7664	dthoms
		Autobahn New York	Daltrey	Roger	1767 Park Ave.	10035	USA	212 289 5800	rddaltr
		Bardinas Auto Shop	Bardinas	Thomas	512 Main St	07720	USA		T@me.ri
		Blaine's Motor Supply	Sumner	Gordon	4700 Scyene Rd.	75210	USA	214 426 4400	gsumnr
		Blue Audi	John	John	542 Main	07720	USA		j@j.con
		BMW of Fort Myers	aybar	michael	9758 miami st.	33912	USA		maybar
		BMW Orlando	Braman	Jack	2060 Biscayne Blvd	23432	USA	305-571-1200	jbrama
		Brighton Auto	Tripplehorn	Jack	3967 S Archer Ave.	60632	USA	773 523 1200	jjtriple
		Bumper City	Taylor	James	821 N Cicero Ave.	60651	USA	773 287 3333	jamest
		Bussard's	Helliwell	John	5312 York Blvd.	90042	USA	323 255 5566	johnah

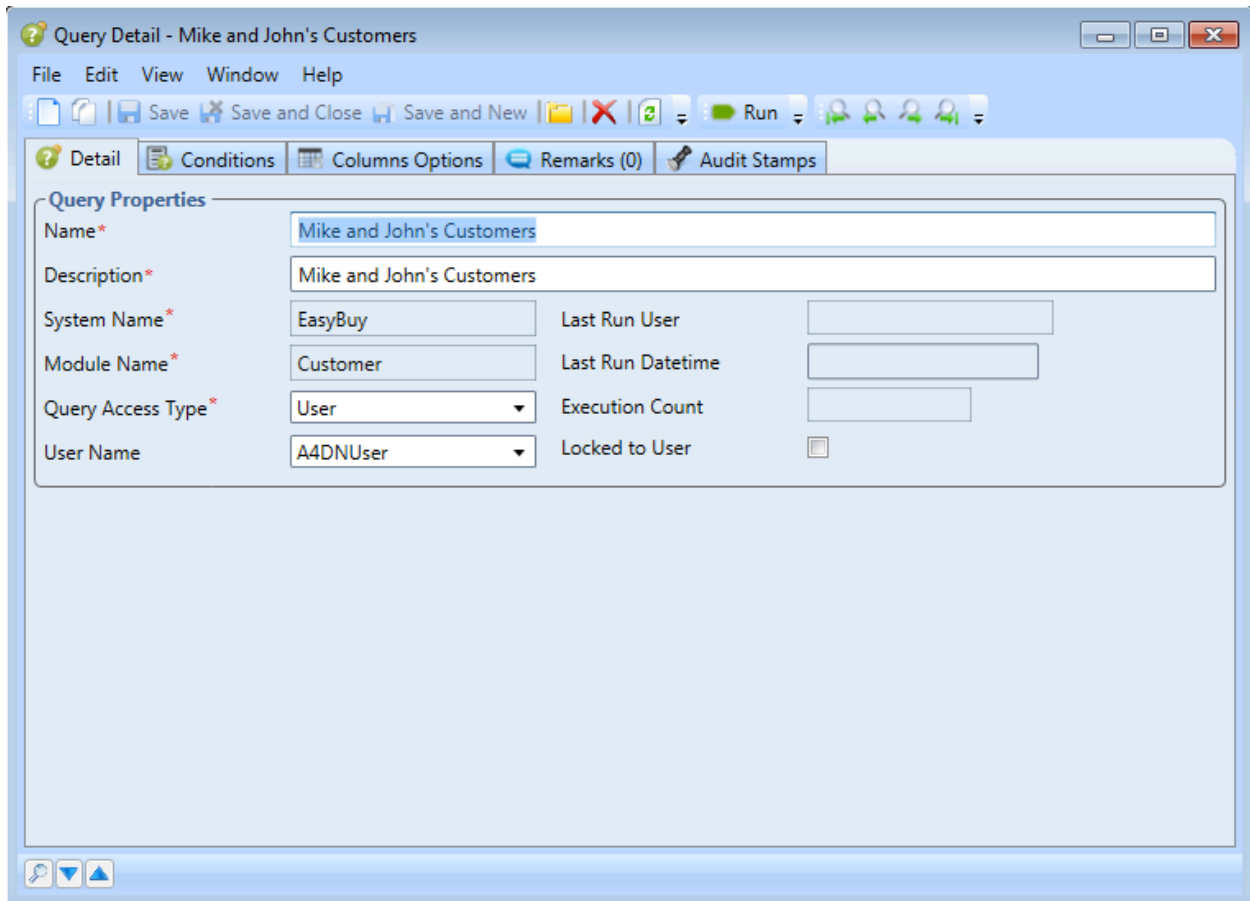
**Filename:** Browser 1.png

Additional Angles Available in Zip Archive: Browser 2.png, Browser 3.png, Browser 4.png, Browser 5.png



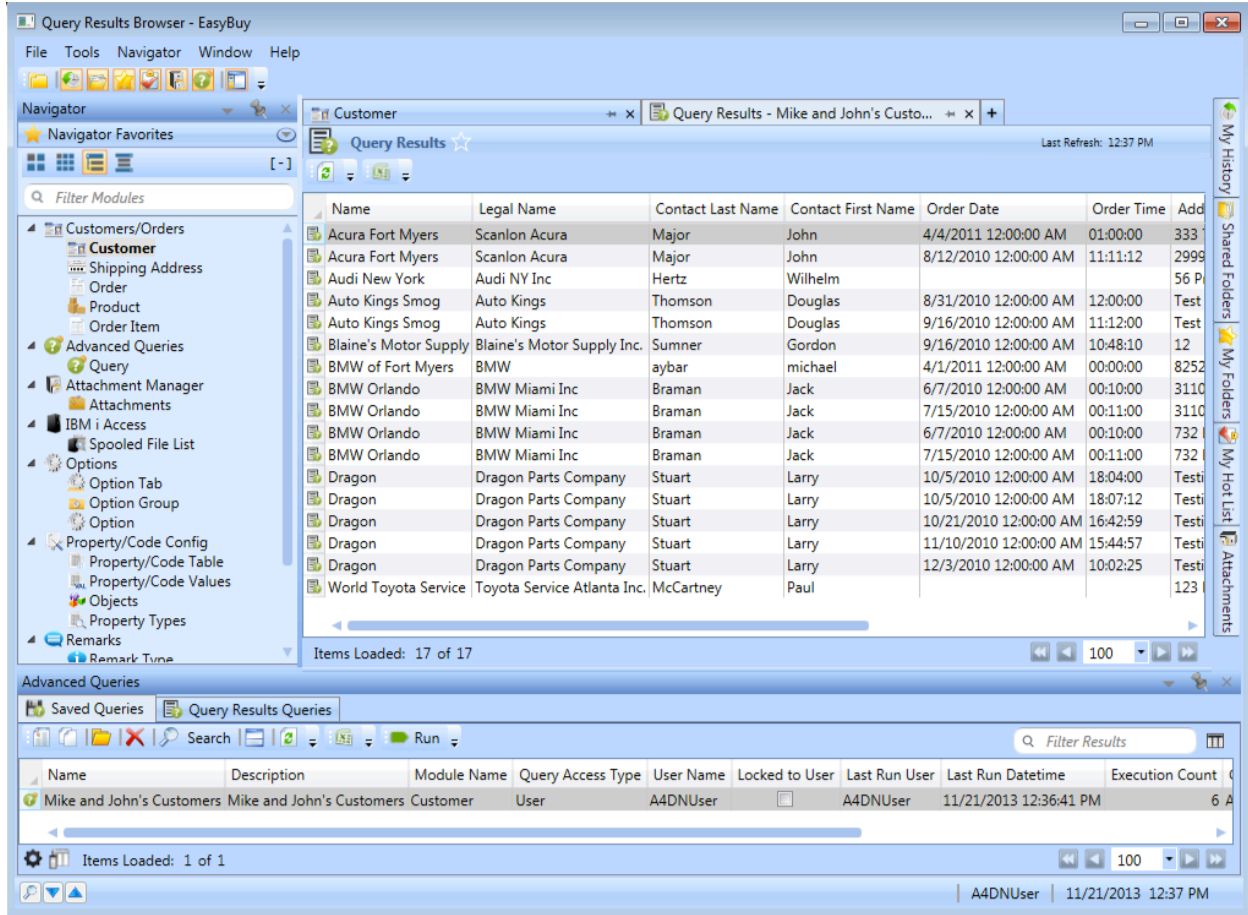
**Filename:** Mobile 1.png

Additional Angles Available in Zip Archive: Mobile 2.png, Mobile 3.png, Mobile 4.png, Mobile 5.png



**Filename:** Query Detail 1.png

Additional Angles Available in Zip Archive: Query Detail 2.png, Query Detail 3.png



Query Results Browser - EasyBuy

File Tools Navigator Window Help

Navigator

Customer

Query Results - Mike and John's Custo...

Last Refresh: 12:37 PM

Name	Legal Name	Contact Last Name	Contact First Name	Order Date	Order Time	Add
Acura Fort Myers	Scanlon Acura	Major	John	4/4/2011 12:00:00 AM	01:00:00	333
Acura Fort Myers	Scanlon Acura	Major	John	8/12/2010 12:00:00 AM	11:11:12	2999
Audi New York	Audi NY Inc	Hertz	Wilhelm			56 P
Auto Kings Smog	Auto Kings	Thomson	Douglas	8/31/2010 12:00:00 AM	12:00:00	Test
Auto Kings Smog	Auto Kings	Thomson	Douglas	9/16/2010 12:00:00 AM	11:12:00	Test
Blaine's Motor Supply	Blaine's Motor Supply Inc.	Sumner	Gordon	9/16/2010 12:00:00 AM	10:48:10	12
BMW of Fort Myers	BMW	aybar	michael	4/1/2011 12:00:00 AM	00:00:00	8252
BMW Orlando	BMW Miami Inc	Braman	Jack	6/7/2010 12:00:00 AM	00:10:00	3110
BMW Orlando	BMW Miami Inc	Braman	Jack	7/15/2010 12:00:00 AM	00:11:00	3110
BMW Orlando	BMW Miami Inc	Braman	Jack	6/7/2010 12:00:00 AM	00:10:00	732
BMW Orlando	BMW Miami Inc	Braman	Jack	7/15/2010 12:00:00 AM	00:11:00	732
Dragon	Dragon Parts Company	Stuart	Larry	10/5/2010 12:00:00 AM	18:04:00	Testi
Dragon	Dragon Parts Company	Stuart	Larry	10/5/2010 12:00:00 AM	18:07:12	Testi
Dragon	Dragon Parts Company	Stuart	Larry	10/21/2010 12:00:00 AM	16:42:59	Testi
Dragon	Dragon Parts Company	Stuart	Larry	11/10/2010 12:00:00 AM	15:44:57	Testi
Dragon	Dragon Parts Company	Stuart	Larry	12/3/2010 12:00:00 AM	10:02:25	Testi
World Toyota Service	Toyota Service Atlanta Inc.	McCartney	Paul			123

Items Loaded: 17 of 17

Advanced Queries

Saved Queries Query Results Queries

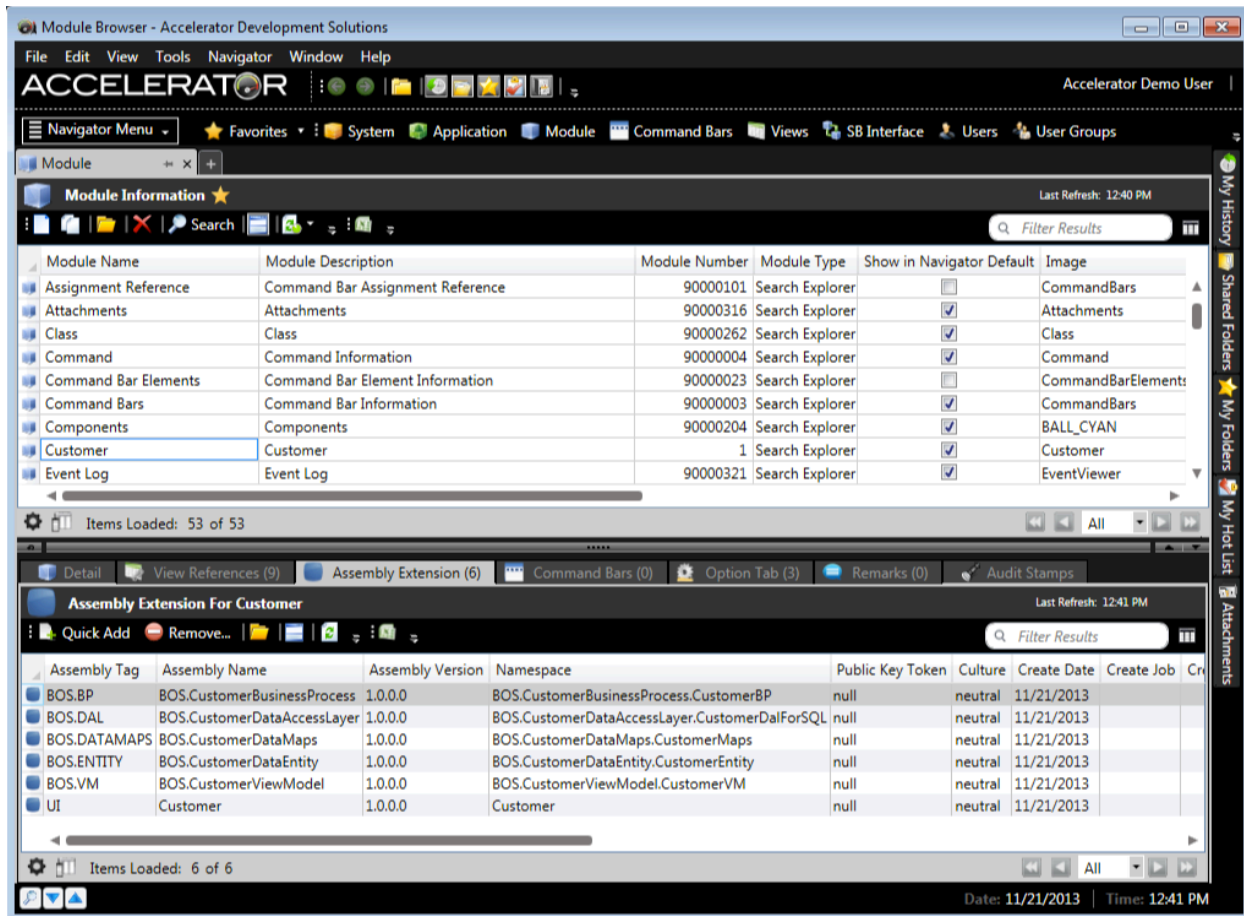
Search Run

Name	Description	Module Name	Query Access Type	User Name	Locked to User	Last Run User	Last Run Datetime	Execution Count
Mike and John's Customers	Mike and John's Customers	Customer	User	A4DNUser	<input type="checkbox"/>	A4DNUser	11/21/2013 12:36:41 PM	6 A

Items Loaded: 1 of 1

A4DNUser | 11/21/2013 12:37 PM

Filename: Query Results.png



The screenshot displays the 'Module Browser - Accelerator Development Solutions' application. The main window shows a list of modules with the following data:

Module Name	Module Description	Module Number	Module Type	Show in Navigator Default	Image
Assignment Reference	Command Bar Assignment Reference	90000101	Search Explorer	<input type="checkbox"/>	CommandBars
Attachments	Attachments	90000316	Search Explorer	<input checked="" type="checkbox"/>	Attachments
Class	Class	90000262	Search Explorer	<input checked="" type="checkbox"/>	Class
Command	Command Information	90000004	Search Explorer	<input checked="" type="checkbox"/>	Command
Command Bar Elements	Command Bar Element Information	90000023	Search Explorer	<input type="checkbox"/>	CommandBarElements
Command Bars	Command Bar Information	90000003	Search Explorer	<input checked="" type="checkbox"/>	CommandBars
Components	Components	90000204	Search Explorer	<input checked="" type="checkbox"/>	BALL_CYAN
Customer	Customer	1	Search Explorer	<input checked="" type="checkbox"/>	Customer
Event Log	Event Log	90000321	Search Explorer	<input checked="" type="checkbox"/>	EventViewer

Below the module list, the 'Assembly Extension For Customer' view is active, showing the following table:

Assembly Tag	Assembly Name	Assembly Version	Namespace	Public Key Token	Culture	Create Date	Create Job	Cr
BOS.BP	BOS.CustomerBusinessProcess	1.0.0.0	BOS.CustomerBusinessProcess.CustomerBP	null	neutral	11/21/2013		
BOS.DAL	BOS.CustomerDataAccessLayer	1.0.0.0	BOS.CustomerDataAccessLayer.CustomerDalForSQL	null	neutral	11/21/2013		
BOS.DATAMAPS	BOS.CustomerDataMaps	1.0.0.0	BOS.CustomerDataMaps.CustomerMaps	null	neutral	11/21/2013		
BOS.ENTITY	BOS.CustomerDataEntity	1.0.0.0	BOS.CustomerDataEntity.CustomerEntity	null	neutral	11/21/2013		
BOS.VM	BOS.CustomerViewModel	1.0.0.0	BOS.CustomerViewModel.CustomerVM	null	neutral	11/21/2013		
UI	Customer	1.0.0.0	Customer	null	neutral	11/21/2013		

Filename: IOC.png