Delivering Smarter Commerce



Social Commerce - Functions and Architecture

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Outline

- V7 Social Commerce Function Overview
- Architecture



Social Commerce Function Overview

- Social Community Integration in eCommerce
 - Product and category blogs
 - Photo gallery
 - Social profiles
 - Product reviews and ratings
 - Precision marketing Integration
- Prebuilt integration



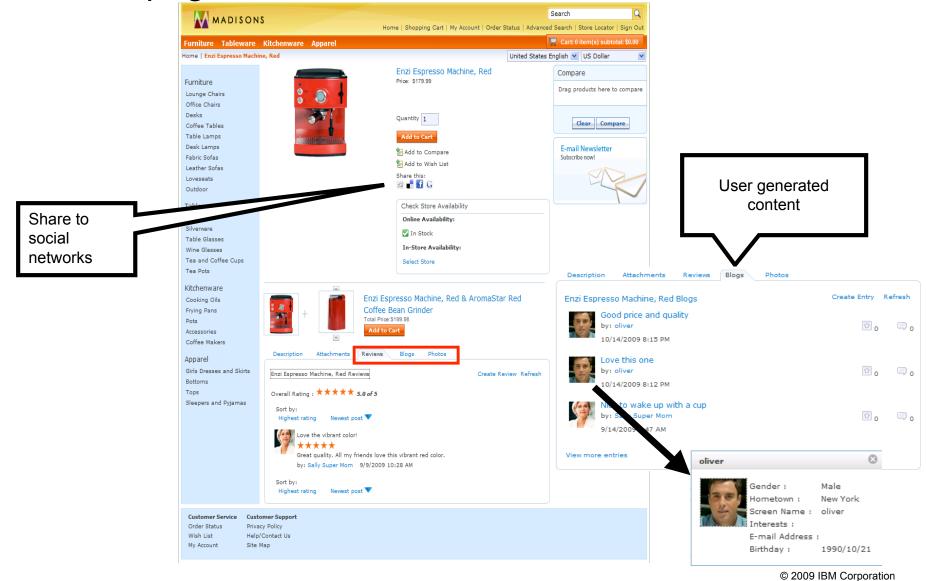
🎖 Pluck.



Customizable & Extensible



Product page with social commerce

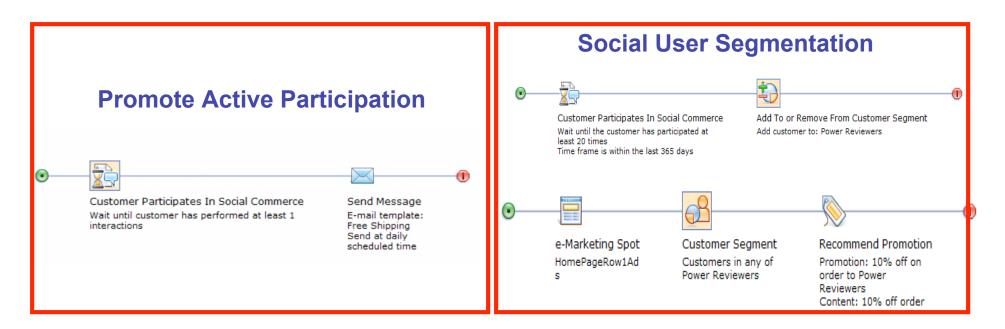


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Precision Marketing Integration

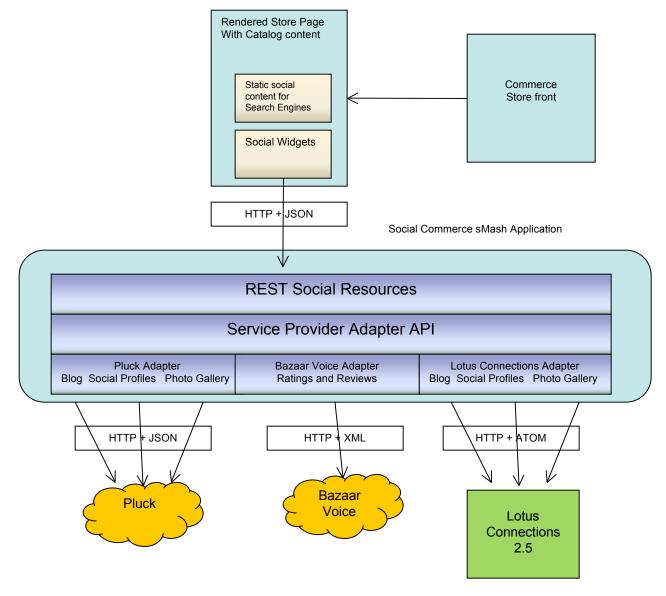
- Social participation events are published whenever registered shoppers create social content.
- These events will be used to provide input into the precision marketing engine.



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Social Commerce Architecture



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Back Lounge Chairs Blog **Social Widget Declaration** White Chaise is a great buy! 9/25/2009 6:38 AM The White Chaise chair is very comfortable and works with just about any decorating style. Great value for the money Inappropriate Content? Comments <div dojoType="ibm.social.Blog" This blog entry has been recommended 0 times. Recommend this entry? Thumbs title="Item Mode Blog" Write a comment resourceId="Sample Store Item Id"> • Built with Dojo 1.3 </div> reate The administrative policy of this site prevents content from displaying immediately. Dynamically rendered Enzi Espresso Machine, Red Reviews Create Review Refresh Overall Rating : ***** 5.0 of 5 <div Sort by: dojoType="ibm.social.Reviews" Highest rating Newest post V Highly interactive with no page resourceld="Product SKU" Love the vibrant color! resourceType="items" ***** transitions. Great quality. All my friends love this vibrant red color. itemDescription="Product Reviews"></div> by: Sally Super Mom 9/9/2009 10:28 AM Sort by: Highest rating Newest post 🔻 Opaque resource ids to map social content with a store item Upload Photo Refresh Fabric Sofas Photo Gallery <div dojoType="ibm.social.PhotoGallery" - category, product, wish list, etc. title="Item Mode Blog" Outstanding quali Just got it from . resourceId="Sample Store Item Id"> </div> Sally Super Mon Customizable with CSS 10/19/2009 3:16 PM 10/15/2009 9:52 AM 🖸 o 🗔 o 🖸 o 🗔 o <div Create an Online Community profile: dojoType = "ibm.social.Profile" *indicates required fields profileAction = "Create" submitElementId="UserRegistrationAddLink" *Screen Name: productionModeSubmit = "true"</div> * E-mail Address: Hometown Birthday: <div yyyy/mm/dd dojoType="ibm.social.BookMarks" Gender: title="Sample Page Bookmark"> select one 💙 </div> Interests: Share this: 🗚 📑 🖬 G

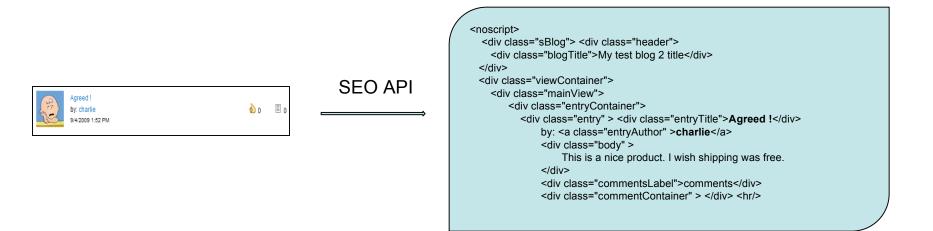
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The maximum character length is 150



SEO Integration

- Cached social content
- Rendered in <noscript> tags
- Stylized for higher page ranking
- Can be indexed by search engines.
- Provides an accessible view of the data for screen readers, etc.





REST API

- Isolates the widgets from the service providers.
- Provides multiple service types
 - Blogs, Photo galleries, Ratings and reviews, User profiles
- Defines a RESTful interface with HTTP and JSON
 - Stateless server
 - Uniform interface (GET/PUT/POST/DELETE)
 - Readable URLs
 - Allows caching of social content
 - JSON representation of resources

| Blog | | | | | |
|----------------|---|--|---|---------------------|-----------------------|
| REST API | | | | | |
| HTTP method | URI | Description | Data type | Query params | Authenticated user |
| GET | /blogs/ <blogid></blogid> | Retrieve a blog with a page of entries. | blog | pageSize, onPage | |
| POST | /blogs/ <blogid>/entries</blogid> | Create a new blog entry. | entry | | x |
| GET | /users/ <userid>/entries</userid> | Retrieve a page of entries created by the user. | entryPage | | |
| GET | /blogs/ <blogid>/entries/<entryid></entryid></blogid> | Retrieve an entry from a blog. | entry | | |
| PUT | /blogs/ <blogid>/entries/<entryid></entryid></blogid> | Recommend a blog entry OR Report an entry as inappropriate | recommendation OR inappropriate | | × |
| DELETE | /blogs/ <blogid>/entries/<entryid></entryid></blogid> | Delete a blog entry. Only valid for the user who created the entry. | | | × |
| POST | /blogs/ <blogid>/entries/<entryid> /comments</entryid></blogid> | Create a new entry comment. | comment | | x |
| GET | /blogs/ <blogid>/entries/<entryid> /comments</entryid></blogid> | Retrieve a page of entry comments. | commentPage | pageSize, onPage | |
| GET | /blogs/ <blogid>/entries/<entryid> /comments/<commentsid></commentsid></entryid></blogid> | Retrieve a single entry comment. | comment | | |



Service Adapter API

- Java API that can be implemented for multiple service providers
 - Provides a clean interface between the REST API and the individual service providers.
 - Allows developers to plug-in the adapter implementation without modifying the widgets or the REST API.
- Supports configurable user profiles
 - Each profile implementation is different.
 - This feature allows the adapter implementation to define the user profile fields that are presented to end users.



Adapter Implementations

- We provide adapter implementations for three different service providers.
- Pluck
 - Blog, Photo Gallery, Profile
- Bazaarvoice
 - Reviews
- Lotus Connections 2.5
 - Blog, Photo Gallery, Profile



Useful Links

- http://www.pluck.com/
- http://www.bazaarvoice.com/
- http://www.ibm.com/lotus/connections
- http://www.projectzero.org/
- http://dojotoolkit.org/
- http://en.wikipedia.org/wiki/Representational_State_Transfer



Thanks !

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