

HDEV18: Extending the Social Experience Using the SharePoint 2010 Social Networking API

Gary Lapointe, MVP

Falchion Consulting, LLC

gary@falchionconsulting.com

About Me



- SharePoint MVP
- Independent Consultant and Owner of Falchion Consulting, LLC
 - <http://www.falchionconsulting.com>
- Principal Consultant - Aptillon, Inc.
 - <http://www.aptillon.com>
- Blog: <http://stsadm.blogspot.com/>
- Twitter: @glapointe
- Email: gary@falchionconsulting.com

Agenda

- Social Features Overview
- User Profiles
- Activity Feeds
- Social Tagging*

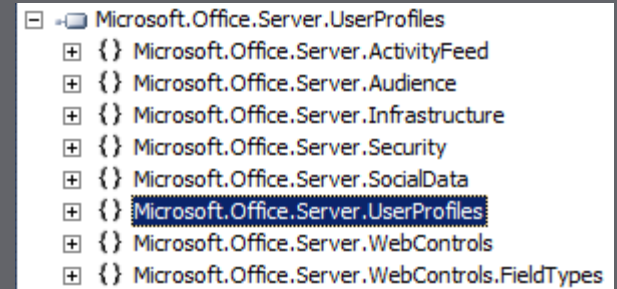
demo

SOCIAL FEATURES OVERVIEW

User Profiles

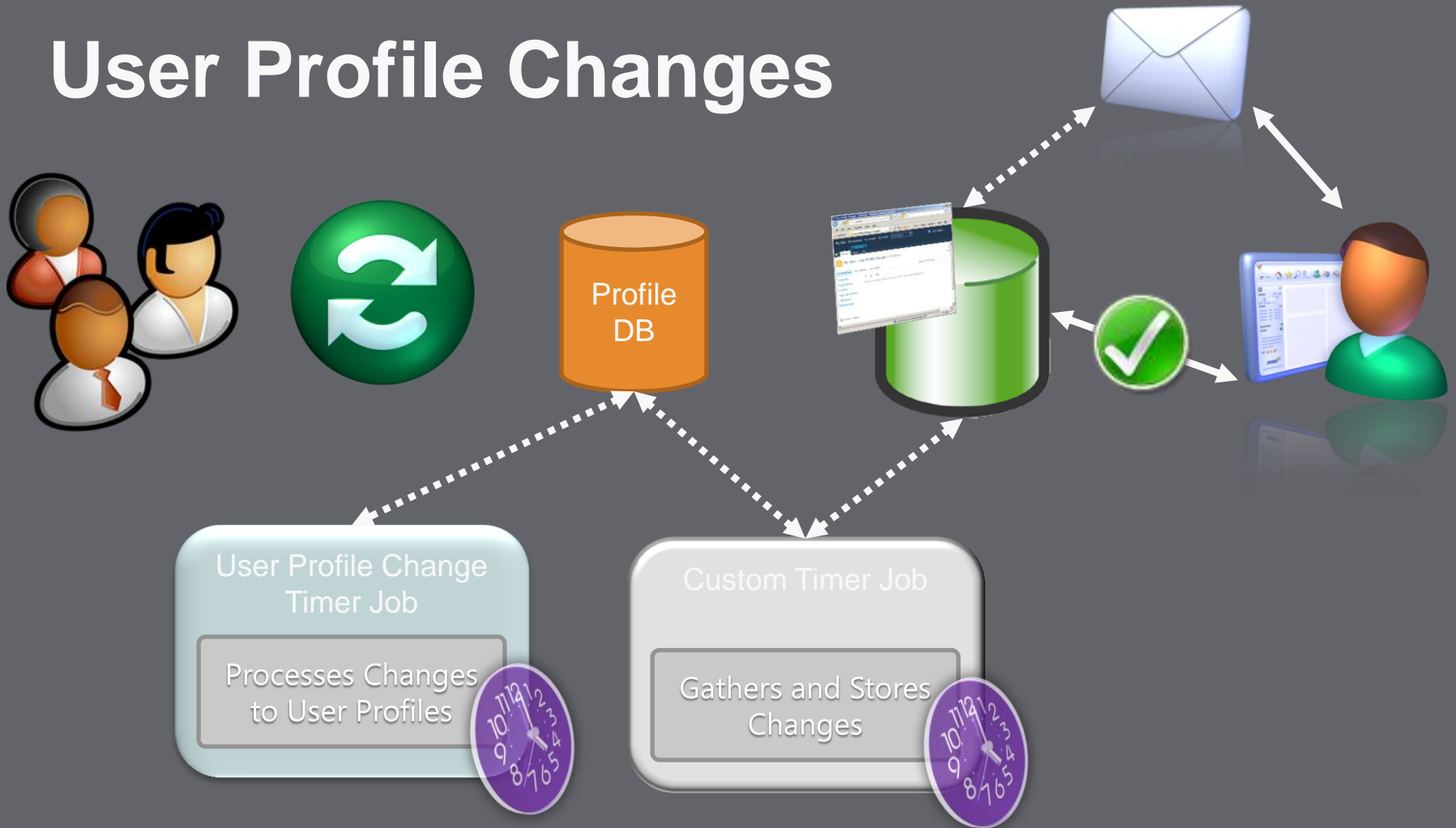
- **Assembly**
 - Microsoft.Office.Server.UserProfiles.dll
 - Namespace
 - Microsoft.Office.Server.UserProfiles
- **Web Services**
 - http://<mysitehost>/_vti_bin/userprofiles/service.asmx

User Profile Classes



- **UserProfileManager**
 - Manages user profiles and associated user profile properties
- **UserProfile**
 - Represents a single user profile
- **UserProfileChangeQuery**
 - Queries the user profile service for changes
- **UserProfileChange**
 - Represents a single user profile property change

User Profile Changes



demo

USER PROFILE CHANGES

Activity Feeds

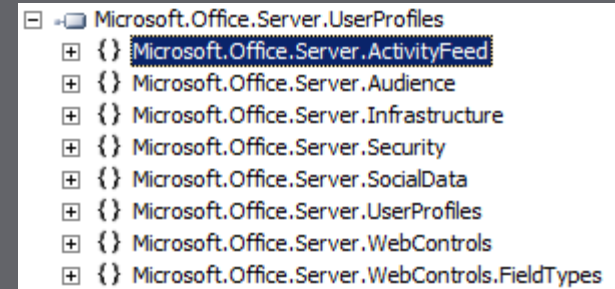
- **Assembly**

- Microsoft.Office.Server.UserProfiles.dll
- Namespace
 - Microsoft.Office.Server.ActivityFeed

- **Atom 2.0 Feed**

- Consolidated – activities from everything I track
 - http://<mysitehost>/_layouts/activityfeed.aspx?consolidated=true
- Published – my activities
 - http://<mysitehost>/_layouts/activityfeed.aspx?publisher=<accountname>

Activity Feed Classes



- **ActivityManager**
 - Manages ActivityApplication objects
- **ActivityApplication**
 - Manages a collection of ActivityType objects
- **ActivityType**
 - Defines the display of ActivityEvent objects that belong to this type
- **ActivityTemplate**
 - Defines the formatting of an ActivityEvent object within a specific location
- **ActivityEvent**
 - Represents a single atomic activity that is associated with an ActivityType object

Watch for Disposal Issues!

Custom Development Approach

- **Step 1: Setup the Activity**
 - Create Activity Application, Type and Template
- **Step 2: Get and Stage**
 - Get the events
 - From external activities and sources
 - From user initiated actions
 - Stage the events in a list or database
- **Step 3: Publish the Activity Event**
 - SharePoint timer job reads the staged data
 - Publish the events to intended targets

Send Link to Colleague Overview

The screenshot shows a Windows Internet Explorer browser window displaying a SharePoint My Site profile for Patrice Bergeron. The browser's address bar shows the URL: `http://mysites/Person.aspx?accountname=sharepoint%5Cpatrice%2Ebergeron`. The page title is "Patrice Bergeron - Windows Internet Explorer".

The profile page includes a navigation bar with "My Site", "My Newsfeed", "My Content", and "My Profile". The profile information for Patrice Bergeron is displayed, including a photo, a bio, and a "We're destined to win the Cup this year!" message. A context menu is open over the "Add as colleague" link, showing the following options:

- My Site: Open your personal homepage
- My Profile: View and manage your profile.
- My Settings: Update your user information, regional settings, and alerts.
- Sign in as Different User: Login with a different account.
- Sign Out: Logout of this site.
- Send link to Colleagues: Send this location as a link to your colleagues.

The "My Organization Chart" section shows a hierarchy of roles:

- Cam Neely: President
- Peter Chiarelli: General Manager
- Claude Julien: Head Coach
- Patrice Bergeron: Alternate Captain - Center
- Shawn Thornton: Right Winger

The "In Common with You" section indicates that the user does not share any managers, colleagues, or memberships.

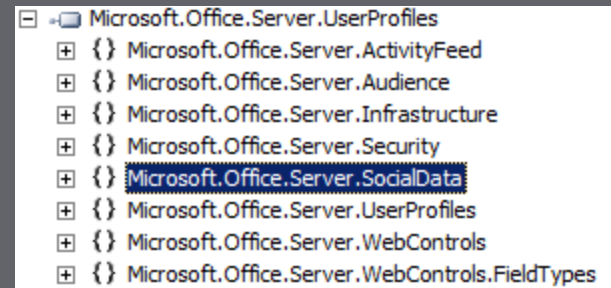
demo

ACTIVITY FEEDS

Social Tags and Notes

- **Assembly**
 - Microsoft.Office.Server.UserProfiles.dll
 - Namespace
 - Microsoft.Office.Server.SocialData
- **Web Services**
 - http://<mysitehost>/_vti_bin/socialdataservice.asmx

Social Data Classes



- **SocialTagManager**
 - Manages tags represented by SocialTag objects
- **SocialCommentManager**
 - Manages notes represented by SocialComment objects
- **SocialRatingManager**
 - Manages ratings represented by SocialRating objects

Custom Client Application

User Photo & Details
User Profile Service

Common Manager
User Profile Service

Colleagues / Common
Colleagues
User Profile Service

User Tags
Social Data Service

Tagged URLs
Social Data Service

Activity Feed
Atom Activity Feed

demo

SOCIAL DATA

Resources

- **Matthew McDermott**
 - www.ableblue.com
- **MSDN**
 - www.mssharepointdeveloper.com

Your Feedback is Important

Please fill out a session evaluation form
drop it off at the conference registration
desk.

Thank you!