



Rob Thatcher

Social Business.



The IBM Connections 3.0.1 API



Social Everywhere

Extending Social Software to Applications

- The value of social software increases exponentially when people can connect to their social networks at anytime and from anywhere
- IBM is making social and smarter collaboration more pervasive across a wide range of devices and applications so that businesses can connect people with relevant information at anytime and from anywhere
- The most complete set of social software services, which enables rich integration with IBM WebSphere Portal, IBM Lotus Notes®, IBM Sametime, and other applications, such as Microsoft Office® and Microsoft SharePoint®





Agenda

- **Intro / Background**
- Simple Examples
- Simple Demo
- Possibilities
- References



Connections API

- **Connections API**
 - User level access to all Applications
- **Connections Profiles Admin API**
 - Admin access to all Profiles
- **Event SPI**
 - Allows third parties to consume event data generated by IBM Connections
- **Seedlist SPI**
 - Allows third parties to integrate a search engine with IBM Connections content

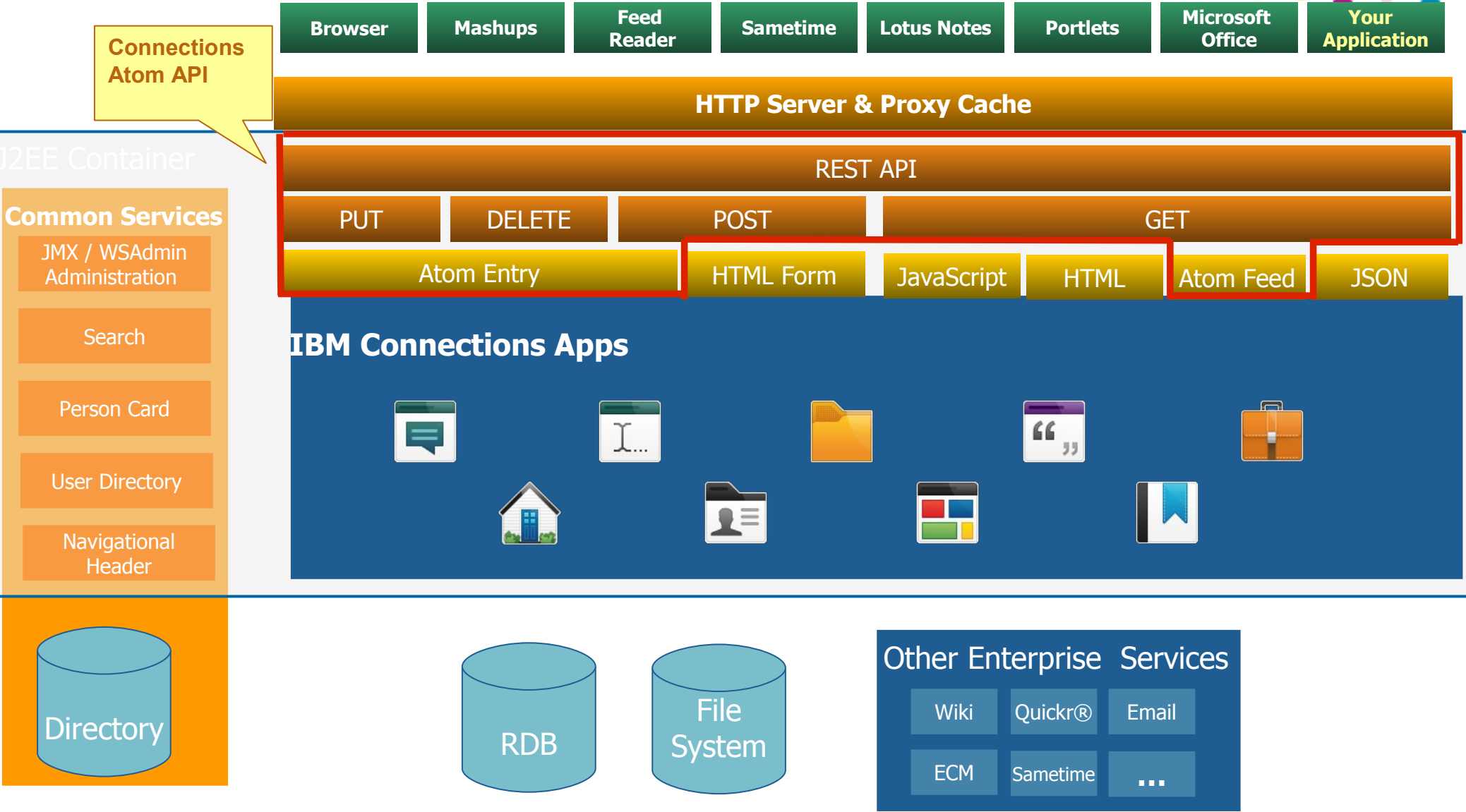


IBM Connections API

- Simple and Easy to Learn
 - REST-style HTTP based API with XML, JavaScript™ and HTML formatted output
 - **Standard Web 2.0** web development methodology
 - Atom style is “follow the links”
- Open
 - Access for all users to all functionality, regardless of client or platform
 - Based on **Open standards**: XML, HTTP, JavaScript, Atom feeds and publishing
- Comprehensive
 - Leverages open standards extensibility (XML, HTTP, Atom feeds, etc...)
 - Used internally and partners to **build plug-ins and mashups**
 - All Lotus Connections services provide an Atom API
 - which is **fully documented**
 - and all Lotus plug-ins use this API
 - Additionally, IBM Connections provides a CMIS API for the Files component



IBM Connections Architecture





Representational State Transfer basics

- REST is an architecture style for networked systems, not a standard specification
- Stateless service
 - Well suited for clusters, proxy caches, and remote client mashups.
 - Client maintains the application state
 - Server handles the request and “forgets” about the client application
- Unique URI addressable resources
 - Nouns in address are clearly defined objects and easily manipulated by client applications.
 - Uniform interface between components
- Standards driven interfaces
 - ATOM, RSS, JavaScript
- Layered
 - Leverage the scalability and security of existing proxy caches and
- REST over the HTTP protocol
 - **Create:** HTTP POST
 - **Retrieve:** HTTP GET
 - **Update:** HTTP PUT
 - **Delete:** HTTP DELETE





Benefits of REST

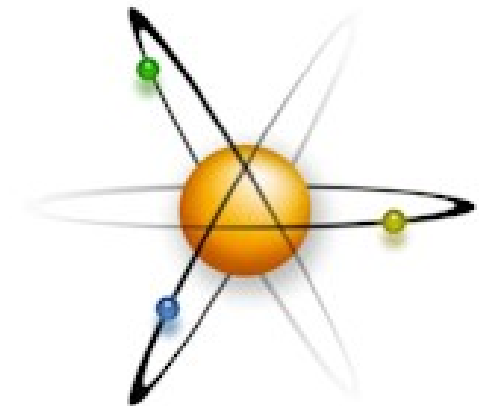
- Provides improved response time and reduced server load due to its support for the caching of representations
- Improves server scalability by reducing the need to maintain session state. This means that different servers can be used to handle different requests in a session.
- Requires less client-side software to be written than other approaches, because a single browser can access any application and any resource
- Depends less on vendor software and mechanisms which layer additional messaging frameworks on top of HTTP
- Provides equivalent functionality when compared to alternative approaches to communication
- Does not require a separate resource discovery mechanism, due to the use of hyperlinks in representations





Atom basics

- What is Atom?
 - Similar to RSS – places content into machine parseable file
 - RSS 1.0 --> Too complicated
 - RSS 2.0 --> Too loosely defined
- Atom spec developed by volunteers using a Wiki
- It's really a pair of standards: Atom Publishing Protocol (APP), Atom Syndication Format (ASF)
- Atom Publishing Protocol (APP)
 - HTTP-based application-level protocol for publishing using ASF
 - Requires two documents: Service and Category
 - Service allows feed discovery
 - Category lists categories for collections / web content
- Atom Syndication Format (ASF)
 - Defines how information is returned using well-formed XML
 - Commonly used for blog feeds (similar to RSS)





Some Atom Syndication Format Terms

- **Feed**

- A Feed is returned whenever you issue a GET against a Collection
- A Feed contains one or more Entries
- A Feed also contains metadata about itself
- A Feed is an XML document

- **Entry**

- An entry contains the content as well as some metadata about that content
- An entry is an XML element



Atom Feed

- Every feed and entry must contain following three elements:
 - A **unique identifier**, which can be as simple as the URI of a blog entry or other Web resources represented by an entry
 - A **title**, which expresses a short, human readable subject line for the entry
 - A **timestamp**, which indicates when the last update occurred
- Feeds also contain one or more **entry** elements
- **Atom Syndication Format** achieves the goal of providing a simple, well-defined, and unambiguous format for content syndication on the Web



Example feed from Connections

```
<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:atom="http://www.w3.org/2005/Atom" xml

<id>tag:profiles.ibm.com,2006:feed</id>
<title type="text">reporting chain for FrankAdams@renovations.com</title>
<updated>2008-04-10T12:16:21.375Z</updated>

<entry>
  <id>tag:profiles.ibm.com,2006:entryfd61d6f5-659c-4a22-bf94-bac838a53f8d</id>
  <title type="text">Frank Adams</title>
  <updated>2008-04-10T09:31:44.015Z</updated>
</entry>

<entry>
  <id>tag:profiles.ibm.com,2006:entryd7315adc-9c4b-475c-858a-9ae392e02c19</id>
  <title type="text">Dan Misawa</title>
  <updated>2008-04-01T11:15:36.359Z</updated>
</entry>
|
<entry>
  <id>tag:profiles.ibm.com,2006:entry9bdf0977-2e8e-4a0c-9eda-87f5d3338c12</id>
  <title type="text">Dennis Michaels</title>
  <updated>2008-04-10T12:16:21.375Z</updated>
</entry>

</feed>
```



Some Atom Publishing Protocol Terms

- **Service**
 - An Atom server provides a service and this service is described in a service document
 - The service document contains the list of collections available from the service within a workspace
- **Workspace**
 - Each collection is listed in a service document within a workspace
 - You may define one or more Workspaces
- **Collection**
 - Collections contain resources (members) which can be of different types such as text entries, media, or other file types.
- **Category**
 - An element that may or may not exist within a collection (not required)
 - APP does not dictate how categories are used, but the name implies its use
 - When you add a member to a collection, you might specify one or more categories for that member



Authenticating with Atom

- Atom specifies that HTTP Basic Auth should be used as its authentication scheme.
- Here's an example:

A client sends a GET request to retrieve an html file over SSL

```
GET /private/index.html HTTP/1.0
```

```
Host: localhost
```

```
Authorization: Basic QWxhZGRpbjpvYVUuIHNIc2FtZQ==
```

Server response:

```
HTTP/1.0 200 OK
```

```
Date: Sat, 27 Nov 2006 10:19:07 GMT
```

```
Content-Type: text/html
```



REST in IBM Connections

- The IBM Connections features all provide APIs that enable you to integrate them with other applications
 - Examples:
 - Information in a blog such as a new topic can be read as a feed
 - A person's colleagues information can be searched
 - A new activity in the activities feature can be created
- Programmatically access, create, and update much of the same information that you can through the IBM Connections user interface
- Accessible from any program that can send and receive HTTP requests
 - Web applications, desktop applications, Eclipse plug-ins, etc.
- Data is returned in the Atom Syndication Format
 - XML is used as the data format for Atom
- A program can process the XML directly or use external libraries to make the job easier.
- Atom Publishing Protocol (AtomPub or APP) is a simple HTTP-based protocol for creating and updating web resources





REST, Java and IBM Connections

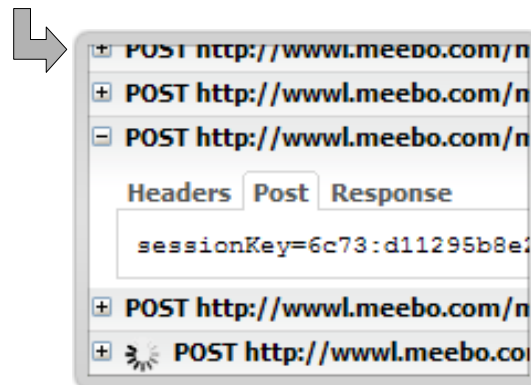
- There are no libraries required to access IBM Connections through the REST API
 - Standard Java allows you to send and receive an HTTP request (`java.net.*`)
 - Standard Java allows you to parse the Atom (XML) result (`javax.xml.* / org.w3c.dom.*`)
- Additional libraries ARE available that CAN make your life easier
 - Jakarta Commons HTTP Client = provides additional control over your HTTP connection, such as timeouts and easier manipulation of HTTP headers
 - Apache Abdera = an open source Atom implementation for reading and publishing feeds
- What does this mean?
 - The choice of IDE and/or toolkits is entirely up to you. Use whatever you have experience with and are comfortable with.
 - Examples: Eclipse, Rational Application Developer





REST, JavaScript and IBM Connections

- There are no libraries required to access IBM Connections through the REST API
 - Standard JavaScript allows you to send and receive an HTTP request
 - XMLHttpRequest (XHR)
 - Standard JavaScript allows you to parse the Atom (XML) result
 - ActiveXObject("Microsoft.XMLDOM") or DOMParser()
- Additional libraries ARE available that CAN make your life easier
 - Dojo = XHR wrapper functions to allow you to build Ajax applications using a unified cross-browser API
- What does this mean?
 - The choice of IDE and/or toolkits is entirely up to you. Use whatever you have experience with and are comfortable with.
 - Recommendation: During the creation and testing phase of the development cycle, use Mozilla Firefox and the [Firebug](#) web development extension





Other Language Possibilities

- Some examples in Customizing Wiki

[http://www-10.lotus.com/ldd/lcwiki.nsf/xpViewCategories.xsp?](http://www-10.lotus.com/ldd/lcwiki.nsf/xpViewCategories.xsp?lookupName=Redbooks:%20Customizing%20IBM%20Connections%203.0.1)

[lookupName=Redbooks:%20Customizing%20IBM%20Connections%203.0.1](http://www-10.lotus.com/ldd/lcwiki.nsf/xpViewCategories.xsp?lookupName=Redbooks:%20Customizing%20IBM%20Connections%203.0.1)

- Java
 - Perl
 - VBScript
-
- Python, Javascript, Perl, PHP
 - Plus more !!



Agenda

- Intro / Background
- **Simple Examples**
- Simple Demo
- Possibilities
- References



Profiles API Example

- Simple Java Program
- Search Profiles for supplied name
- HTTP **GET** Request
<http://social.demos.ibm.com/profiles/atom/search.do?name=da>
- Use Apache Xpath to process the XML into objects



Profiles API Example

- Returned XML Feed ...

```

<?xml version="1.0" encoding="UTF-8" ?>
<feed xmlns:app="http://www.w3.org/2007/app" xmlns:thr="http://purl.org/syndication/thread/1.0" xmlns:fh="http://purl.org/syndication/fh" xmlns:opensearch="http://a9.com/-/spec/opensearch/1.1/" xmlns="http://www.w3.org/2005/Atom">
  <id>tag:profiles.ibm.com,2006:feed</id>
  <generator version="3.0.1.0" uri="http://www.ibm.com/xmlns/prod/sn">IBM Connections - Profiles</generator>
  <title type="text">profiles where name=da</title>
  - <author>
    <name>IBM Connections - Profiles</name>
  </author>
  <updated>2012-03-21T08:57:11.631Z</updated>
  <opensearch:totalResults>4</opensearch:totalResults>
  <opensearch:startIndex>1</opensearch:startIndex>
  <opensearch:itemsPerPage>10</opensearch:itemsPerPage>
  <link href="http://social.demos.ibm.com/profiles/atom/search.do?name=da" rel="self" type="application/atom+xml" />
  - <entry>
    <id>tag:profiles.ibm.com,2006:entryae9300db-c158-4359-9b10-3515b2434a12</id>
    <title type="text">Dan Mishkey</title>
    <updated>2011-04-12T13:26:00.679Z</updated>
    <category term="profile" scheme="http://www.ibm.com/xmlns/prod/sn/type" />
  - <contributor>
    <name>Dan Mishkey</name>
    <snx:userid>0DF6CB1B-FAD8-59B3-8025-7839006484F5</snx:userid>
    <email>Dan.Mishkey@demos.ibm.com</email>
    <snx:userState>active</snx:userState>
  </contributor>
  </entry>
</feed>

```



Profiles API Example

- Code review ... the sample code is in the InfoCenter Wiki

http://www-10.lotus.com/ldd/lcwiki.nsf/dx/Sample_Retrieving_names_from_the_Profiles_directory_ic301

- Program results

```
>java PeopleLike social.demos.ibm.com/profiles da
Contacting: http://social.demos.ibm.com/profiles/atom/search.do?name=da
Response:   HTTP/1.1 200 OK

profiles where name=da
Showing first 4 names of 4 found:
Dan Misawa
Dan Mishkey
Daniel Missille
Samantha Daryn

>_
```



Blogs API Example

- Retrieve Blogs Service Document HTTP **GET** Request
- Retrieve Blog Entries HTTP **GET** Request
- Retrieve Detailed Blog Entry HTTP **GET** Request
- Modify Blog Entry HTTP **PUT** Request
- Delete Blog Entry HTTP **DELETE** Request
- Create New Blog Entry HTTP **POST** Request



Retrieve the Service Doc

GET <https://social.demos.ibm.com/blogs/api>

```

- <service>
  <atom:generator version="3.0.1.0" uri="http://www.ibm.com/xmlns/prod/sn">IBM Connections -
  Blogs</atom:generator>
  <snx:BlogsHomepageHandle>homeblog</snx:BlogsHomepageHandle>
- <workspace>
  <atom:title>Blogs</atom:title>
  - <collection href="https://social.demos.ibm.com:443/blogs/homeblog/api/blogs">
    <atom:title>My Blogs</atom:title>
    <atom:category term="blogs" scheme="http://www.ibm.com/xmlns/prod/sn/collection"/>
    <accept>application/atom+xml;type=entry</accept>
    <categories fixed="yes"/>
  </collection>
</workspace>
- <workspace>
  <atom:title>Projects</atom:title>
  - <collection href="https://social.demos.ibm.com/blogs/projects/api/entries">
    <atom:title>Weblog Entries</atom:title>
    <atom:category term="entries" scheme="http://www.ibm.com/xmlns/prod/sn/collection"/>
  - <atom:id>
    urn:lsid:ibm.com:blogs:entries-ad5c3b34-c7e5-43f4-986f-9361c5ae3ed5
  </atom:id>
    <accept>application/atom+xml;type=entry</accept>
    <categories fixed="no" href="https://social.demos.ibm.com/blogs/projects/api/tags"/>
  </collection>
  - <collection href="https://social.demos.ibm.com/blogs/projects/api/media">

```




Retrieve the Blog Entries

GET <https://social.demos.ibm.com/blogs/projects/api/entries>

```

- <feed xml:lang="en-US" xml:base="https://social.demos.ibm.com:443/blogs/projects/api/entries?lang=en_us">
  <updated>2012-03-20T19:42:46.000Z</updated>
  <generator version="3.0.1.0" uri="http://www.ibm.com/xmlns/prod/sn">IBM Connections - Blogs</generator>
- <id>
  urn:lsid:ibm.com:blogs:entries-ad5c3b34-c7e5-43f4-986f-9361c5ae3ed5
</id>
<title type="text">Projects</title>
<link href="https://social.demos.ibm.com:443/blogs/projects/api/entries?lang=en_us" rel="self"
type="application/atom+xml"/>
<link href="https://social.demos.ibm.com:443/blogs/roller-ui/rendering/api/projects"/>
- <app:collection href="https://social.demos.ibm.com/blogs/projects/api/entries">
  <atom:title>Weblog Entries</atom:title>
  <app:accept>application/atom+xml;type=entry</app:accept>
  <app:categories fixed="no" href="https://social.demos.ibm.com/blogs/projects/api/tags"/>
</app:collection>
<os:totalResults>2</os:totalResults>
- <entry xml:lang="en-US" dir="ltr">
  <id>
    urn:lsid:ibm.com:blogs:entry-6962c4e5-5895-420f-a661-bc88ad781cd8
  </id>
  <link href="https://social.demos.ibm.com:443/blogs/projects/api/entries/6962c4e5-5895-420f-a661-bc88ad781cd8"
rel="edit" type="application/atom+xml"/>
  <link href="https://social.demos.ibm.com/blogs/projects/entry/spitfire" rel="alternate" type="text/html"/>
  <link href="https://social.demos.ibm.com:443/blogs/projects/feed/entrycomments/spitfire/atom" rel="replies"
type="application/atom+xml" thr:count="0"/>
- <app:collection href="https://social.demos.ibm.com:443/blogs/projects/api/recommend/entries

```



Retrieve the Blog Entry Detail

GET <https://social.demos.ibm.com:443/blogs/projects/api/entries/6962c4e5-5895-420f-a661-bc88ad781cd8>

```
-----  
- <author>  
  <name>Samantha Daryn</name>  
  <email>Samantha.Daryn@demos.ibm.com</email>  
  <snx:userid>ACD2D7F6-EFFF-C7BF-8025-78390062ACD5</snx:userid>  
  <snx:userState>active</snx:userState>  
</author>  
  <category term="demo"/>  
  <category term="spitfire"/>  
- <app:control>  
  <app:draft>no</app:draft>  
  <snx:comments enabled="yes" days="0"/>  
</app:control>  
- <content type="html">  
  <p> Project Starting April - look out for news.</p>  
</content>  
</entry>
```



Modify the Blog Entry

PUT <https://social.demos.ibm.com:443/blogs/projects/api/entries/6962c4e5-5895-420f-a661-bc88ad781cd8>

Supply modified XML

```
<snx:rank scheme="http://www.ibm.com/xmms/prod/sn/nc" >1</snx:rank>
-<author>
  <name>Samantha Daryn</name>
  <email>Samantha.Daryn@demos.ibm.com</email>
  <snx:userid>ACD2D7F6-EFFF-C7BF-8025-78390062ACD5</snx:userid>
  <snx:userState>active</snx:userState>
</author>
<category term="demo"/>
<category term="spitfire"/>
-<app:control>
  <app:draft>no</app:draft>
  <snx:comments enabled="yes" days="0"/>
</app:control>
-<content type="html">
  <p> Project Starting May - look out for news later.</p>
</content>
</entry>
```



Delete the Blog Entry

DELETE

<https://social.demos.ibm.com:443/blogs/projects/api/entries/6962c4e5-5895-420f-a661-bc88ad781cd8>



Create new Blog Entry

POST <https://social.demos.ibm.com:443/blogs/projects/api/entries>

Supply new entry in XML

```
<!-- Input for new Blog entry posting -->
-<entry>
  <title type="text">Merlin Project</title>
  <category term="demo"/>
  -<content type="html">
    This project will commence shortly and we are very excited about it.<br>
  </content>
</entry>
```



Agenda

- Intro / Background
- Simple Examples
- **Simple Demo**
- Possibilities
- References



Simple Demo

- Profiles Search Example - Java
- Blogs Read/Modify/Delete/Create - curl
- Blogs Post - Web Experience Factory REST Builder

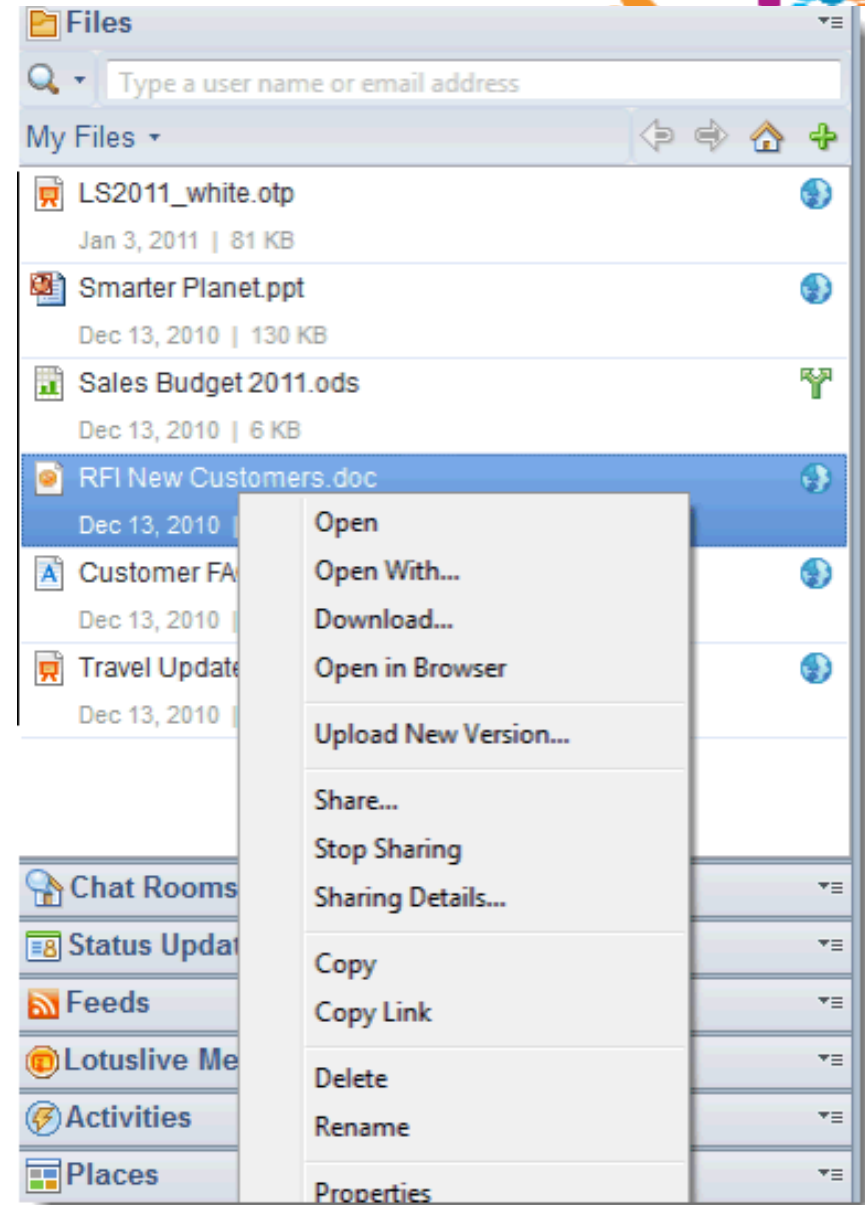


Agenda

- Intro / Background
- Simple Examples
- Simple Demo
- **Possibilities**
- References

Lotus Notes – Files

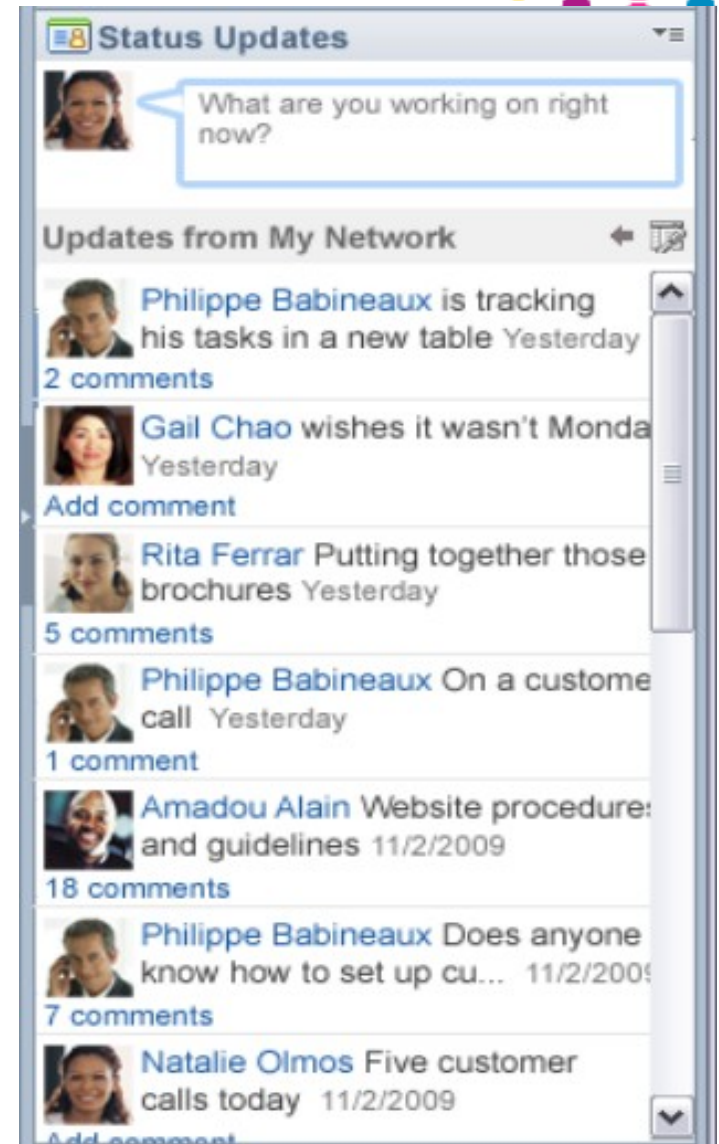
- New IBM Connection Files Plug-in
- Upload files for your own use or to share with others
- Drag and drop an attached file or a file from your desktop to Files
- Drag and drop or copy and paste a file from Files to your desktop
- Send an HTML link to a file
- Search for people or communities
- Sort files for easier browsing
- Detach the Files window from the Notes sidebar
- Open Connections Files in a browser





Lotus Notes – Status Update

- New Status Updates plug-in
- Update your status or view updates from your network directly in Lotus Notes
- Free download from the Solutions Catalog
<http://catalog.lotus.com>





IBM Connections Blogs Portlets


- Summary and Details Portlets


Blogs Summary


Blogs


1 - 5 of 9 Page 1 | 2 Previous | Next


Sort By: [Date](#) | [Title](#) | [Most Recommendations](#) | [Most Comments](#) | [Most Visits](#)

 **Get ready for the Decade of Smart**
Created By: [Frank Adams](#) | Updated: Feb 10

 **My thoughts from Lotusphere**
Created By: [Frank Adams](#) | Updated: Feb 8

 **Just what is "Smart," anyway?**
Created By: [Frank Adams](#) | Updated: Feb 5

 **Food technology with a healthy appetite for innovation**
Created By: [Pierre Dumont](#) | Updated: Jan 20

 **test**
Created By: [Dan Misawa](#) | Updated: Jan 19

Show 5 | [10](#) | [15](#) | [20](#) | [25](#) items per page Jump to page of 2 Previous | Next

Blogs Summary Portlet

- Read-only consolidated list of Blogs
- Compact size, can be deployed as “home page” portlet
- Easy navigation to content details for further information
- and to take additional actions

Blogs Detail Portlet Features

- Latest Entries, All Blogs and My Blogs views
- Basic Blog/Blog entry creation and edit
- Membership management
- Entry commenting


Blogs


[Latest Entries](#) [All Blogs](#) [My Blogs](#)

All Blogs

1 - 5 of 5 Page 1 Previous | Next

Welcome to the Smarter Decade [More](#)
Created By: [Frank Adams](#) | Updated: Feb 10 | Tags: [smarter](#)

Building a Smarter Planet  [More](#)
Created By: [Dan Misawa](#) | Updated: Jan 20 | Tags: None

Re: invention  [More](#)
Created By: [Ted Amado](#) | Updated: Oct 29 2009 | Tags: None

Executive Mentoring [More](#)
Created By: [Dennis Michaels](#) | Updated: Feb 8 | Tags: [executive](#), [mentor](#)

Home [More](#)
Created By: [Domino Admin](#) | Updated: Sep 16 2009 | Tags: [blogs](#)

Show 5 | [10](#) | [15](#) | [20](#) | [25](#) items per page Jump to page of 1 Previous | Next



User View

My OFN Banking Lending Investments What's Hot

You are in: Banking Home > Investments > Annuities



Welcome to Retirement

At vero eos et accusam et justo duo dolores et ea rebum.

Tags: investment, retirement

Owners: Daphne Mckenna

Community Actions

Follow this community

Join or follow a Community.

Forums

Reply Follow this Topic | Start a Topic | Delete | Pin this Topic | Lock Topic

3 replies Last Post Sep 27 by wpsadmin



wpsadmin

Top Tens to Enjoy !

Sep 27 | Tags: None

Ut wisi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Reply | Edit | Delete



wpsadmin

Re: Top Tens to Enjoy !

Sep 27 in response to wpsadmin

Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum.

Reply | Edit | Delete



wpsadmin

Re: Top Tens to Enjoy !

Sep 27 in response to wpsadmin

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr.

Reply | Edit | Delete



wpsadmin

Re: Top Tens to Enjoy !

Sep 27 in response to wpsadmin

Sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam

Members

Sort by: Name

Alice Sheen Member

Daphne Mckenna Member

wpsadmin Member

See members of the community

Recent Blogs

Sort by: Recommends



Great Ways to Prep...

Daphne Mckenna Today 3:39 PM

0 0



I want to retire

wpsadmin Sep 27

0 4



How to become a...

wpsadmin Sep 27

0 4



Formalities with m...

wpsadmin Sep 27

0 1



Increased costs fo...

wpsadmin Sep 27

0 5

View All

Follow a Forum Thread.



User View

My OFN Banking Lending **Investments** What's Hot

You are in: Banking Home > Investments > Investment Services

Investment Services

What do you want your money to do for you?



Pallentesque porta consectetur sapien in various.

Lorem ipsum dolor sit a met, consectetur adipiscing elit. Nulla ante ipsum, ullamcorper ut elementum a, malesuada sitamet sagien. In moles necque hendrerit purus commodo non sectetur. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Apply Now »

Wikis - Investment Services

Edit Page Actions Wiki Actions

Pallentesque porta consectetur sapien in various.

Even better News come here,...

Lorem ipsum dolor sit a met, consectetur adipiscing elit. Nulla ante ipsum, ullamcorper ut elementum a, malesuada sitamet sagien. In moles necque hendrerit purus commodo non sectetur. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.

Luctus egestas cras, nunc eu velit. Eu molestiae. Quam mattis, eaque tellus aliquam. Quis sodales vel, eu rutrum turpis. Arcu vitae. Eu malesuada. Nibh vestibulum, elit dapibus odio, sed sed donec. Donec tortor feugiat. Nunc mi, maecenas quisque, scelerisque eu. Tortor vulputate mi. Pede nunc, ultrices arcu. Ante ullamcorper massa, condimentum et, lectus tristique tincidunt.

Vestibulum id, id commodo. Magna lorem fusce, praesent vestibulum, commodo nisl. Fames diam, nascetur nibh. Eros tellus, ut sapien, tempor et. Vehicula natoque, praesent maecenas et. Condimentum mi, pellentesque sapien. Morbi orci rhoncus, tellus in, elit morbi nec. Condimentum nam.

Latest News

New tax credit for home buyers

Nov 10, 2009 Author: Melissa Clark

Proin et nulla magna. Donec in mi nibh, eu varius ante. Donec varius scelerisque blandit. Sed egestas tincidunt elit, eu pulvinar ante varius ut. Mauris tincidunt tincidunt fermentum. Praesent placera more....

New homes selling hits all-time record

Nov 10, 2009 Author: Melissa Clark

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nulla suscipit dui ac neque ultricies rhoncus. Nulla facilisi. Sed ac orci lacus, tempor varius augue. Vestibulum ultrices risus sit amet lorem more....

First-time home buyers get tax benefit

Nov 10, 2009

Praesent vitae

sapien fringilla

Government that benefits

Nov 10, 2009 Author: Melissa Clark

Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Nullam ultrices, erat eget tristique tristique, eros justo pulvinar libero, a dictum purus sapien non dui. C more....

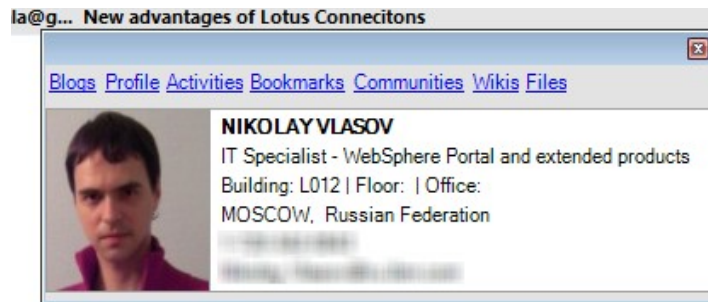
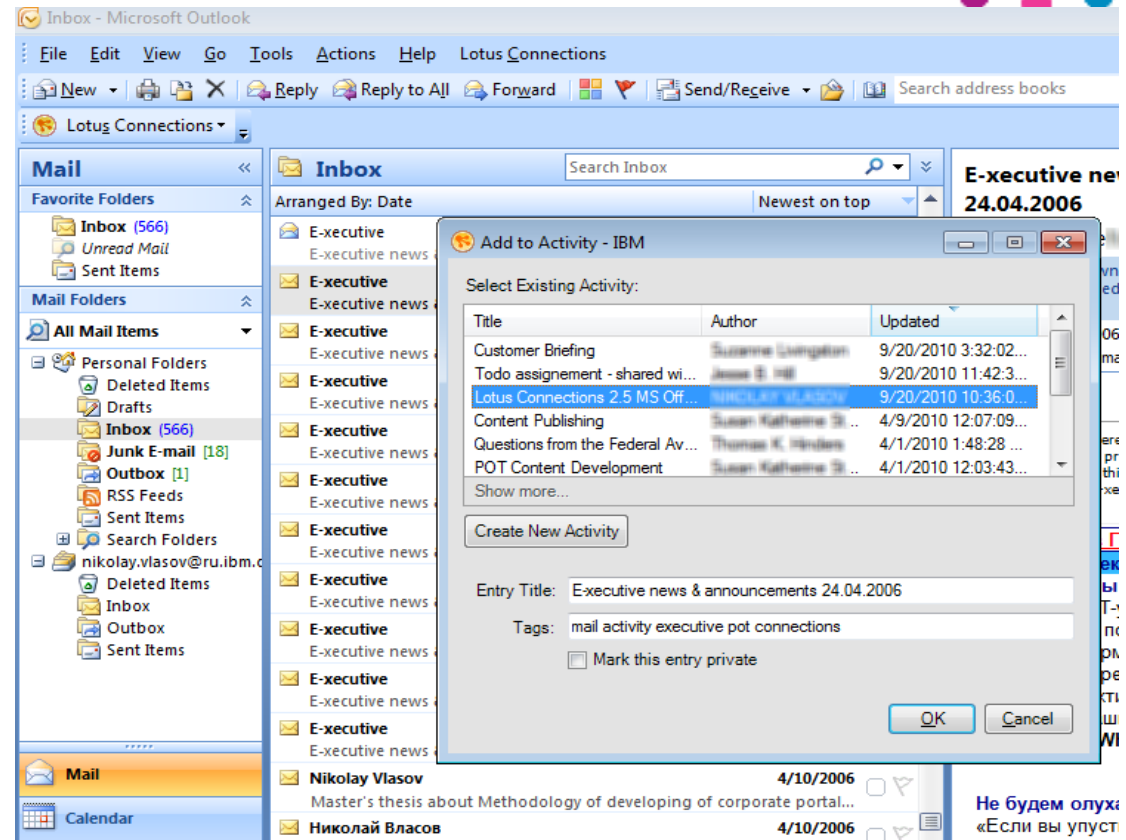
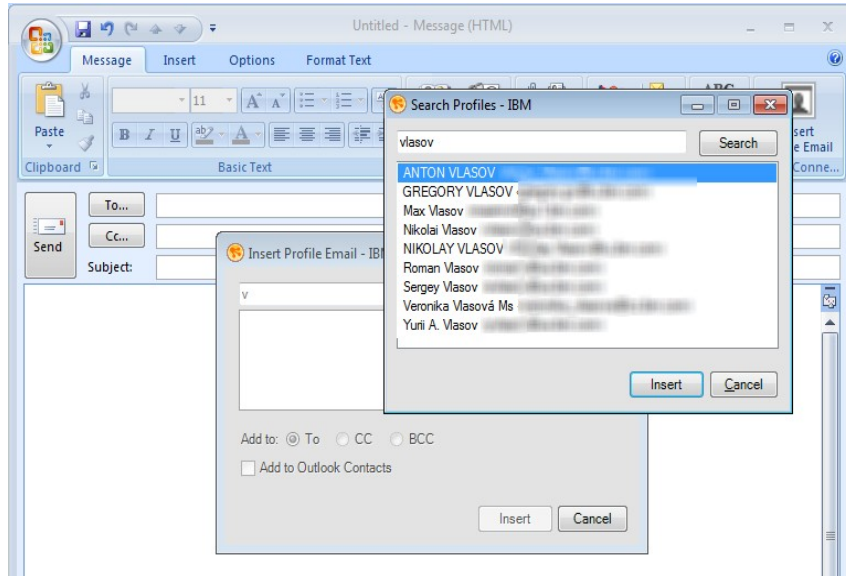
Central Bank lowers mortgage rates

Nov 10, 2009 Author: Melissa Clark

Selected WIKI article from connections WIKI.



Connections Tool bar in Outlook





Outlook Social Connector

The screenshot shows the Outlook 2010 interface. The main window displays an email from Samantha Daryn (sdaryn@us.deltapacific.com) titled "Project Sofia kicking off soon". The email content includes a greeting, a description of the "Project Sofia" collection, and a request for a team meeting. Below the email, the "Samantha Daryn" activity feed is visible, showing various social media and calendar events.

Project Sofia kicking off soon
 Samantha Daryn [sdaryn@us.deltapacific.com]
 Sent: Fri 1/20/2011 12:10 PM
 To: Dan Misawa

Hi everyone!

I set up a Collection called Project Sofia and shared it with you all on the Home page. You should see it there now. It has everything we need for the project and will automatically update itself with the latest information, wherever it may be.

Frank, next steps are to set up a team space and get a weekly meeting going. I'll share around some background materials, which will show up in the Project Sofia Collection asap. I need to review a couple of things first. We'll have a review with Ted soon - I'm excited to get started! :)

Samantha Daryn - Promotions Coordinator
 Delta Pacific Finance (302) 555-1212
 twitter.com/samanthadaryn

Samantha Daryn

- Project Sofia kicking off soon 11/26
- Created a new blog entry [Thoughts on 2011 ou](#) 11/25
- Replied to the forum topic [Concerns in EMEA](#) 11/25
- Joined the community [Marketing Community](#) 9/19
- Q1 budget review 9/15
- Bookmarked the link [Trends in marketing materi](#) 9/15
- Bookmarked the link [2011 goals](#) 2/8
- Bookmarked the link [Delta Pacific global initiat](#) 1/16

Dan uses the social connector to learn more about Samantha. He discovers a community of interest in her activity feed



Windows Explorer Extension for Files

The screenshot shows a Windows Explorer window with the address bar set to 'IBM Files > Greenhouse > My Files'. The left sidebar shows the 'IBM Files' folder expanded to 'My Files'. The main pane displays a list of files with the following details:

Name	Type	Updated	Updated by	Size	Sharing
Connections 25 Presentation.pdf	PDF File	6/25/2009 10:41 AM	Mac Guidera	965 KB	Public
Corporate Travel Policies.doc	DOC File	7/23/2009 12:43 PM	Mac Guidera	10.5 KB	Shared
decade_of_smart_icon.jpg	JPEG image	12/20/2011 6:42 PM	Mac Guidera	5.67 KB	Private
Extending Lotus Connections.odp	ODP File	8/5/2009 3:08 PM	Mac Guidera	6.98 MB	Shared
nstrumented_interconnected_intelligent_info...	GIF image	12/20/2011 6:42 PM	Mac Guidera	6.60 KB	Public
social_business_icon.jpg	JPEG image	12/20/2011 6:41 PM	Mac Guidera	9.40 KB	Public

The file 'nstrumented_interconnected_intelligent_info...' is highlighted in blue. A yellow callout box in the bottom right corner of the window contains the text: 'Planned for a future release'. The status bar at the bottom indicates '6 items'.



Agenda

- Intro / Background
- Simple Examples
- Simple Demo
- Possibilities
- **References**



Next Steps: References

- IBM Connections on developerWorks
 - <https://www.ibm.com/developerworks/lotus/products/connections/>
- IBM Connections wiki page
 - <http://www-10.lotus.com/ldd/lcwiki.nsf/>
- IBM Connections Customization Wiki
 - <http://www-10.lotus.com/ldd/lcwiki.nsf/xpViewCategories.xsp?lookupName=IBM%20Redbooks:%20Customizing%20IBM%20Connections%203.0.1>
- Try IBM Connections 3.0 today!
 - <https://greenhouse.lotus.com/home/product.jsp>

