

# Flexible Integrationsmöglichkeiten mit dem Digital Data Connector anhand von verschiedenen Praxisbeispielen

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# Digital Data Connector (DDC): Approach

- Use **IBM Web Content Manager** (WCM) design components to render data being served from **external systems**
- Provide a **public plug-point** to allow integration of **all kinds** of data
- Use **WCM contents items** to describe **what data** to include and **what design** component to use to render the data
- Support **update operations** through WCM-generated user interfaces
- Support **dynamic context overwrites** of source and filter attributes using public render parameters
- Make it **easy integrate remote XML data**: No custom Java coding
  - Instead, use DDC list rendering profiles to transform external data into lists that can be rendered using WCM presentation templates

# Digital Data Connector (DDC): Use WCM and WCM design components to render any external data, with little-to-no Java coding or deployment

IBM Connections

WebSphere Commerce / Sterling Commerce

Kenexa

CMIS

Omnifind/Search

BPM (task list)

Custom Feed/Anything

## IBM Web Content Manager

### Presentation Template Options

#### Presentation Markup:

Import Export Insert a Tag Insert Element Tags Insert a Link Insert an Image

```
[Plugin:ListRenderingContext extension-id="ibm.portal.plr.xml" action="a
attribute="source=https://vpavm249.boeblingen.de.ibm.com:9444/community
communityUuid=a18b7452-5876-4631-a63b-6e1f43c5f25" profile="ibm.portal.
```

markup

#### List Presentation Markup

Use HTML to define how list results are presented to your site visitors, including a header, footer, and separator.

##### Header:

Import Export Insert a Tag Insert a Link Insert an Image

```
<h2>[Plugin:ListRenderingContext action="getListProperty" key="title"]</h2>
```

#### Result design:

Import Export Insert a Tag Insert a Link Insert an Image

The contributor email of the current item is:

```
[AttributeResource attributeName="contributorEmail"]
```

Open Edit Form

Libraries > Portal Site > Content > Content Root > DDC > RSS > RSS Feed

Status - Published | Last modified Today 2:31:23 PM GMT-02:00 by wpsadmin | Created by wpsadmin

Save and Close Read Preview Apply Authoring Template More Close

Content Properties

\*Name: RSS Feed

Display title: RSS Feed

Description: Copy this item to render individual RSS feeds by filling in the "Source URL" value.

Source URL

Source URL: http://newsoffice.mit.edu/rss/topiccomputers

List Appearance

Component: Select Component

RSS Feeds / List Appearances / RSS Feed

query

REST based update operations



Available in  
Portal 8001 CF 11

# Benefits

- WCM Designers have full control over list presentation  
→ Resulting Lists can fit nicely into the visual design of customer site
- No coding skills required for consuming & rendering external data
- Easy re-branding due to clean separation of concerns
  - UI generation using WCM separate from back-end code
  - Site designers can provide consistent presentation components to the page editors
- List presentations and designs support workflow, projects, preview, versioning, syndication
- No code deployment on the application server in many cases
  - DDC solutions often consist only of WCM artifacts (HTML/CSS/JS, WCM tags...)
  - Deployment can be done using WCM syndication
- Generic and shared caching and data retrieval infrastructure

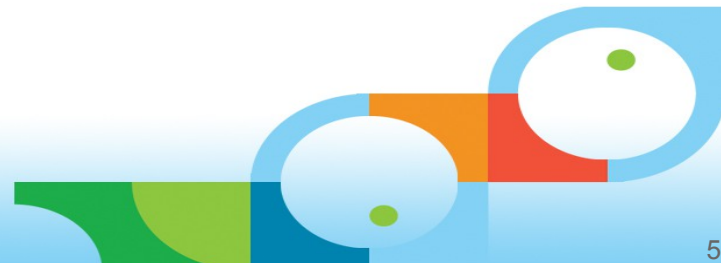
## Business Benefits

**Faster time to market**

**Lower** costs: development & maintenance

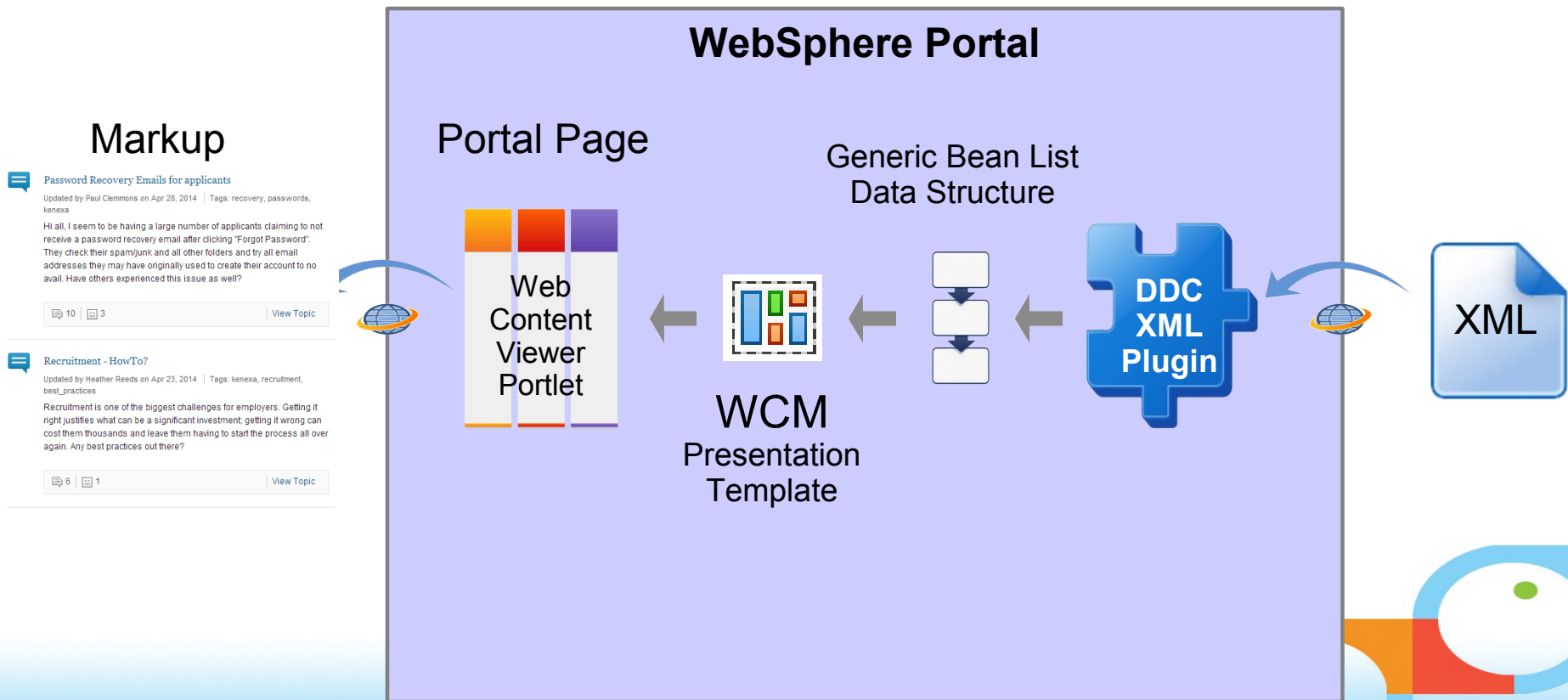
**More easily customizable** by a larger range of developers

**Maximize ROI** on Portal/WCM.



# The generic XML DDC Plugin

Integrating remote XML Data without coding



# The generic XML DDC Plugin

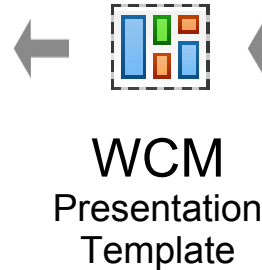
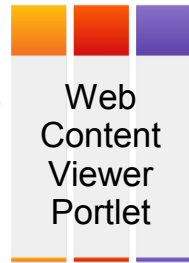
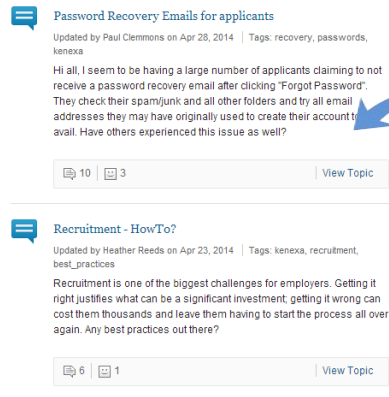
Integrating remote XML Data without coding



Markup

Portal Page

Generic List  
Data Structure



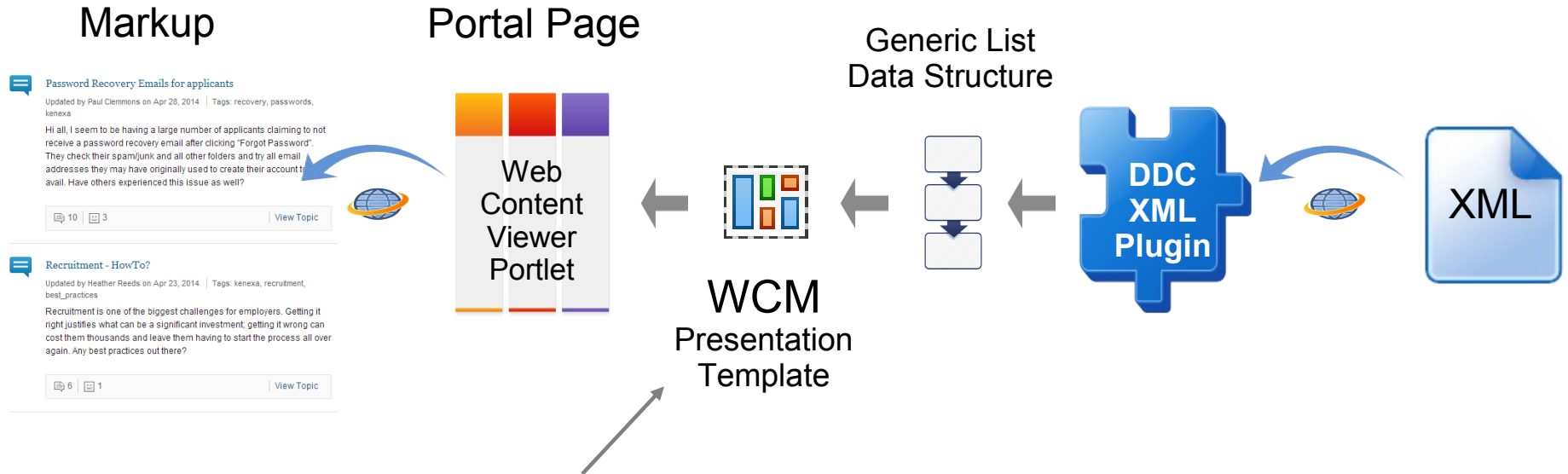
## 1. Use DDC profiles to

- Define the transformation from your specific XML into a generic list data structure (so-called bean lists)
- Enumerate the data attributes available in your list items

DDC Profile

# The generic XML DDC Plugin

Integrating remote XML Data without coding



## 2. Use WCM Presentation templates to

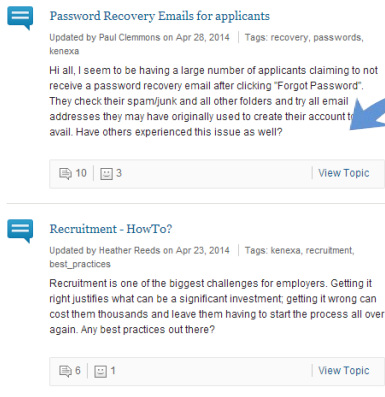
- Define the transformation from your bean list into markup (visual appearance)
  - Reuse the WCM design components and workflows you already have
- Site designers can access bean attribute values using WCM tags
- Individual attributes can be selected from a drop down list

# The generic XML DDC Plugin

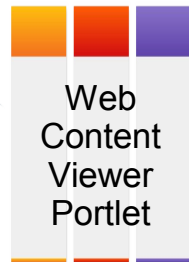
Integrating remote XML Data without coding



## Markup



## Portal Page



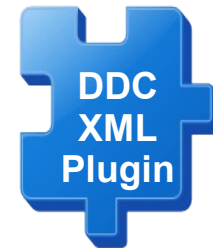
WCM  
Content  
item



## Generic List Data Structure



WCM  
Presentation  
Template



### 3. Use DDC list definitions to

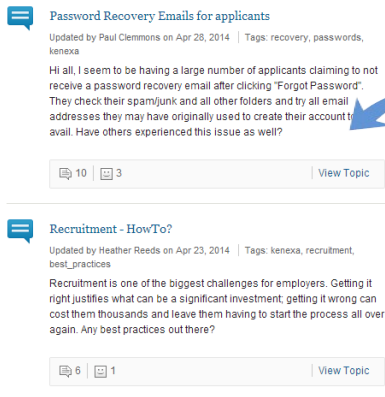
- Establish the right DDC rendering context by
  - Defining the source URL
  - Identify the DDC profile
  - Identify the target DDC plugin (in this case the generic XML DDC plugin)

# The generic XML DDC Plugin

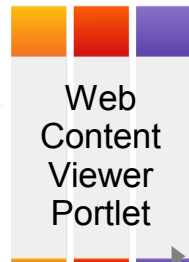
Integrating remote XML Data without coding



## Markup



## Portal Page



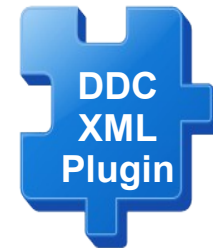
WCM  
Content  
item



## Generic List Data Structure



WCM  
Presentation  
Template



## 4. Use the web content viewer to

- Render the list in the right context
- Aggregate applications (portlet), web content, and your lists into meaningful portal pages

# DDC Profiles

- Define the list item selection XPath statement
- Enumerate the attributes of the items in the list
- Define attribute value selection XPath statements for each attribute
  - XPath statements are evaluated relative to the nodes selected by the item selection XPath
- Enumerate the properties of the list
- Define list property value selection XPath statements

```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping.atom=http://www.w3.org/2005/Atom
```

```
atom.ListItemSelection=//atom:entry
```

```
atom.ItemAttribute.id=./atom:id
atom.ItemAttribute.title=./atom:title
atom.ItemAttribute.summary=./atom:summary
atom.ItemAttribute.subtitle=./atom:subtitle
atom.ItemAttribute.authorName=./atom:author/atom:name
atom.ItemAttribute.authorEmail=./atom:author/atom:email
atom.ItemAttribute.authorUri=./atom:author/atom:uri
atom.ItemAttribute.contributorName=./atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=./atom:contributor/atom:email
atom.ItemAttribute.contributorUri=./atom:contributor/atom:uri
atom.ItemAttribute.updated=./atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=./atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=./atom:content
atom.ItemAttribute.categoryTerms=./atom:category/@term
atom.ItemAttribute.categorySchemes=./atom:category/@scheme
atom.ItemAttribute.categoryLabels=./atom:category/@label
atom.ItemAttribute.selfLink=./atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=./atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=./atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=./atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=./atom:feed/atom:author
atom.ListProperty.id=./atom:feed/atom:id
atom.ListProperty.selfLink=./atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=./atom:feed/atom:title
atom.ListProperty.updated=./atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

*Sample DDC Profile for Atom feeds*

# DDC Profiles: Atom Sample

(DDC Profile Author view)

```
<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:app="http://www.w3.org/2007/07/app" xmlns:
<title type="text">Kenexa - Members</title>
<id>https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/community/
<updated>2013-12-12T17:01:25.235Z</updated>
<generator uri="http://www.ibm.com/xmlns/prod/sn" version="4.5.0.0">IBM Connections -
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/comm
<snx:communityLastModified xmlns:snx="http://www.ibm.com/xmlns/prod/sn" component="http://
<snx:rank xmlns:snx="http://www.ibm.com/xmlns/prod/sn" scheme="http://www.ibm.com/xml
<snx:rank xmlns:snx="http://www.ibm.com/xmlns/prod/sn" scheme="http://www.ibm.com/xml
<entry>
<id>http://communities.ibm.com:2006/service/atom/community/members?communityUid=a1
<title type="text">Betty Zechman</title>
<summary type="text">Betty Zechman</summary>
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/atom/profile.do?e
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/vcard/profile.do?e
<published>2013-09-24T09:20:17.835Z</published>
<updated>2013-12-05T17:27:09.221Z</updated>
<contributor>
<email>bzechman@zetabank.com</email>
<snx:userId xmlns:snx="http://www.ibm.com/xmlns/prod/sn">97d7f379-98c6-4501-9be5-
<snx:userState xmlns:snx="http://www.ibm.com/xmlns/prod/sn">active</snx:userState>
<name>Betty Zechman</name>
</contributor>
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/cc
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/cc
<snx:role xmlns:snx="http://www.ibm.com/xmlns/prod/sn" component="http://www.ibm.com
<category term="person" scheme="http://www.ibm.com/xmlns/prod/sn/type"></category>
<snx:orgId xmlns:snx="http://www.ibm.com/xmlns/prod/sn"></snx:orgId>
<entry>
<id>http://communities.ibm.com:2006/service/atom/community/members?communityUid=a1
<title type="text">Ted Amado</title>
<summary type="text">Ted Amado</summary>
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/atom/profile.do?e
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/vcard/profile.do?e
<published>2013-12-08T20:19:02.557Z</published>
<updated>2013-12-08T20:19:02.557Z</updated>
<contributor>
<email>tamado@zetabank.com</email>
<snx:userId xmlns:snx="http://www.ibm.com/xmlns/prod/sn">4d70740a-2064-4006-bb30
```

```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping.atom=http://www.w3.org/2005/Atom
```

atom.ListItemSelection=//atom:entry

```
atom.ItemAttribute.id=../atom:id
atom.ItemAttribute.title=../atom:title
atom.ItemAttribute.summary=../atom:summary
atom.ItemAttribute.subtitle=../atom:subtitle
atom.ItemAttribute.authorName=../atom:author/atom:name
atom.ItemAttribute.authorEmail=../atom:author/atom:email
atom.ItemAttribute.authorUri=../atom:author/atom:uri
atom.ItemAttribute.contributorName=../atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=../atom:contributor/atom:email
atom.ItemAttribute.contributorUri=../atom:contributor/atom:uri
atom.ItemAttribute.updated=../atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=../atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=../atom:content
atom.ItemAttribute.categoryTerms=../atom:category/@term
atom.ItemAttribute.categorySchemes=../atom:category/@scheme
atom.ItemAttribute.categoryLabels=../atom:category/@label
atom.ItemAttribute.selfLink=../atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=../atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=../atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=../atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=../atom:feed/atom:author
atom.ListProperty.id=../atom:feed/atom:id
atom.ListProperty.selfLink=../atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=../atom:feed/atom:title
atom.ListProperty.updated=../atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

Defining the items in the list ...

Sample DDC Profile for Atom feeds

# DDC Profiles: Atom Sample

(DDC Profile Author view)

```
<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:app="http://www.w3.org/2007/app" xmlns:
  <title type="text">Kenexa - Members</title>
  <id>https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/community/me
  <updated>2013-12-12T17:01:25.235Z</updated>
  <generator uri="http://www.ibm.com/xmlns/prod/sn" version="4.5.0.0">IBM Connections -
  <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/comu
  <snx:communityLastMod xmlns:snx="http://www.ibm.com/xmlns/prod/sn" component="http://
  <snx:rank xmlns:snx="http://www.ibm.com/xmlns/prod/sn" scheme="http://www.ibm.com/xml
  <snx:role xmlns:snx="http://www.ibm.com/xmlns/prod/sn" scheme="http://www.ibm.com/xml
  <entry>
    <id>http://communities.ibm.com:2006/service/atom/community/members?communityUid=a1
    <title type="text">Betty Zechman</title>
    <summary type="text">Betty Zechman</summary>
    <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/atom/profile.do?
    <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/vcard/profile.do?e
    <published>2013-09-24T09:20:17.835Z</published>
    <updated>2013-12-05T17:27:09.221Z</updated>
    <contributor>
      <email>bzechman@zetabank.com</email>
      <snx:userId xmlns:snx="http://www.ibm.com/xmlns/prod/sn">97d7f379-98c6-4501-8be5-
      <snx:userState xmlns:snx="http://www.ibm.com/xmlns/prod/sn">active</snx:userState
      <name>Betty Zechman</name>
    </contributor>
    <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/cc
    <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/cc
    <snx:role xmlns:snx="http://www.ibm.com/xmlns/prod/sn" component="http://www.ibm.com
    <category term="person" scheme="http://www.ibm.com/xmlns/prod/sn/type"></category>
    <snx:orgId xmlns:snx="http://www.ibm.com/xmlns/prod/sn"></snx:orgId>
  </entry>
  <entry>
    <id>http://communities.ibm.com:2006/service/atom/community/members?communityUid=a1
    <title type="text">Ted Amado</title>
    <summary type="text">Ted Amado</summary>
    <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/atom/profile.do?e
    <link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/vcard/profile.do?e
    <published>2013-12-08T20:19:02.557Z</published>
    <updated>2013-12-08T20:19:02.557Z</updated>
    <contributor>
      <email>tamado@zetabank.com</email>
      <snx:userId xmlns:snx="http://www.ibm.com/xmlns/prod/sn">3d37240a-2064-4096-bb39
```

```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping.atom=http://www.w3.org/2005/Atom
```

atom.ListItemSelection=//atom:entry

```
atom.ItemAttribute.id=./atom:id
atom.ItemAttribute.title=./atom:title
atom.ItemAttribute.summary=./atom:summary
atom.ItemAttribute.subtitle=./atom:subtitle
atom.ItemAttribute.authorName=./atom:author/atom:name
atom.ItemAttribute.authorEmail=./atom:author/atom:email
atom.ItemAttribute.authorUri=./atom:author/atom:uri
```

atom.ItemAttribute.contributorEmail=./atom:contributor/atom:email

```
atom.ItemAttribute.updated=./atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=./atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=./atom:content
atom.ItemAttribute.categoryTerms=./atom:category/@term
atom.ItemAttribute.categorySchemes=./atom:category/@scheme
atom.ItemAttribute.categoryLabels=./atom:category/@label
atom.ItemAttribute.selfLink=./atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=./atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=./atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=./atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=./atom:feed/atom:author
atom.ListProperty.id=./atom:feed/atom:id
atom.ListProperty.selfLink=./atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=./atom:feed/atom:title
atom.ListProperty.updated=./atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

Defining the attributes of the selected items ...

Sample DDC Profile for Atom feeds

# DDC Profiles: Atom Sample

(DDC Profile Author view)

```
<?xml version="1.0" encoding="UTF-8"?>
<feed xmlns="http://www.w3.org/2005/Atom" xmlns:app="http://www.w3.org/2007/app" xmlns:
<title type="text">Kerexa - Members</title>
<id>https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/community/me
<updated>2013-12-12T17:01:25.235Z</updated>
<generator uri="http://www.ibm.com/xmlns/prod/sn" version="4.5.0.0">IBM Connections -
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/comu
<snx:userid xmlns:snx="http://www.ibm.com/xmlns/prod/sn" component="http://
<snx:rank xmlns:snx="http://www.ibm.com/xmlns/prod/sn" scheme="http://www.ibm.com/xml
<snx:rank xmlns:snx="http://www.ibm.com/xmlns/prod/sn" scheme="http://www.ibm.com/xml
<entry>
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<title type="text">Betty Zechman</title>
<summary type="text">Betty Zechman</summary>
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/atom/profile.do?e
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/vcard/profile.do?e
<published>2013-09-24T09:20:17.835Z</published>
<updated>2013-12-05T17:27:09.221Z</updated>
<contributor>
<email>bzechman@zetabank.com</email>
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<snx:userState xmlns:snx="http://www.ibm.com/xmlns/prod/sn">active</snx:userState>
<name>Betty Zechman</name>
</contributor>
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/cc
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/cc
<snx:role xmlns:snx="http://www.ibm.com/xmlns/prod/sn" component="http://www.ibm.co
<category term="person" scheme="http://www.ibm.com/xmlns/prod/sn/type"></category>
<snx:orgId xmlns:snx="http://www.ibm.com/xmlns/prod/sn"></snx:orgId>
</entry>
<entry>
<id>http://communities.ibm.com:2006/service/atom/community/members?communityUid=a1
<title type="text">Ted Amado</title>
<summary type="text">Ted Amado</summary>
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/atom/profile.do?e
<link href="https://wpsvm249.boeblingen.de.ibm.com:9444/profiles/vcard/profile.do?e
<published>2013-12-08T20:19:02.557Z</published>
<updated>2013-12-08T20:19:02.557Z</updated>
<contributor>
<email>tamado@zetabank.com</email>
<snx:userid xmlns:snx="http://www.ibm.com/xmlns/prod/sn">ad70740a-2064-4006-bb20
```

```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping:atom=http://www.w3.org/2005/Atom
```

```
atom.ListItemSelection=//atom:entry
```

```
atom.ItemAttribute.id=./atom:id
atom.ItemAttribute.title=./atom:title
atom.ItemAttribute.summary=./atom:summary
atom.ItemAttribute.subtitle=./atom:subtitle
atom.ItemAttribute.authorName=./atom:author/atom:name
atom.ItemAttribute.authorEmail=./atom:author/atom:email
atom.ItemAttribute.authorUri=./atom:author/atom:uri
atom.ItemAttribute.contributorName=./atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=./atom:contributor/atom:email
atom.ItemAttribute.contributorUri=./atom:contributor/atom:uri
atom.ItemAttribute.updated=./atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=./atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=./atom:content
atom.ItemAttribute.categoryTerms=./atom:category/@term
atom.ItemAttribute.categorySchemes=./atom:category/@scheme
atom.ItemAttribute.categoryLabels=./atom:category/@label
atom.ItemAttribute.selfLink=./atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=./atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=./atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=./atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=./atom:feed/atom:author
atom.ListProperty.id=./atom:feed/atom:id
```

```
atom.ListProperty.title=./atom:feed/atom:title
```

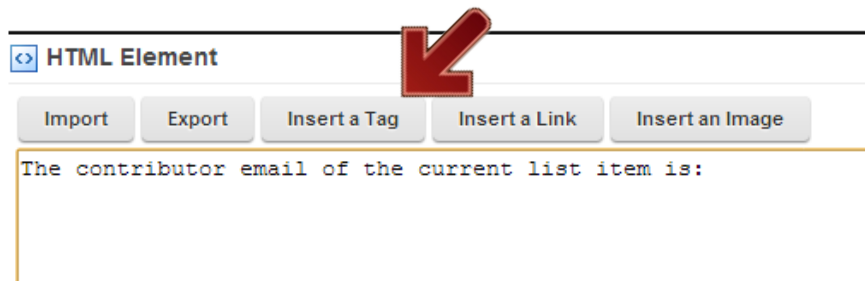
```
atom.ListProperty.updated.Type=Date
```

Defining the list properties ...

Sample DDC Profile for Atom feeds

# DDC Profiles: WCM Tag Helper

(WCM Site Designer view)



DDC profiles show up in the WCM authoring UI ...

```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping.atom=http://www.w3.org/2005/Atom
```

```
atom.ListItemSelection=//atom:entry
```

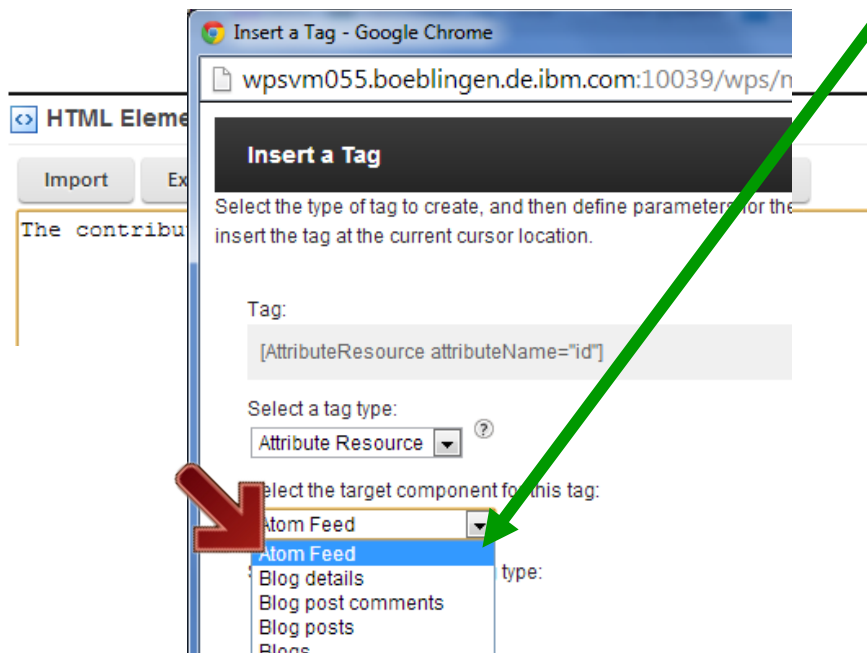
```
atom.ItemAttribute.id=../atom:id
atom.ItemAttribute.title=../atom:title
atom.ItemAttribute.summary=../atom:summary
atom.ItemAttribute.subtitle=../atom:subtitle
atom.ItemAttribute.authorName=../atom:author/atom:name
atom.ItemAttribute.authorEmail=../atom:author/atom:email
atom.ItemAttribute.authorUri=../atom:author/atom:uri
atom.ItemAttribute.contributorName=../atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=../atom:contributor/atom:email
atom.ItemAttribute.contributorUri=../atom:contributor/atom:uri
atom.ItemAttribute.updated=../atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=../atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=../atom:content
atom.ItemAttribute.categoryTerms=../atom:category/@term
atom.ItemAttribute.categorySchemes=../atom:category/@scheme
atom.ItemAttribute.categoryLabels=../atom:category/@label
atom.ItemAttribute.selfLink=../atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=../atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=../atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=../atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=../atom:feed/atom:author
atom.ListProperty.id=../atom:feed/atom:id
atom.ListProperty.selfLink=../atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=../atom:feed/atom:title
atom.ListProperty.updated=../atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

*Sample DDC Profile for Atom feeds*

# DDC Profiles: WCM Tag Helper

(WCM Site Designer view)



```
atom.Name=ibm.portal.atom
```

```
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
```

```
atom.ListItemSelection=//atom:entry
```

```
atom.ItemAttribute.id=../atom:id
atom.ItemAttribute.title=../atom:title
atom.ItemAttribute.summary=../atom:summary
atom.ItemAttribute.subtitle=../atom:subtitle
atom.ItemAttribute.authorName=../atom:author/atom:name
atom.ItemAttribute.authorEmail=../atom:author/atom:email
atom.ItemAttribute.authorUri=../atom:author/atom:uri
atom.ItemAttribute.contributorName=../atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=../atom:contributor/atom:email
atom.ItemAttribute.contributorUri=../atom:contributor/atom:uri
atom.ItemAttribute.updated=../atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=../atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=../atom:content
atom.ItemAttribute.categoryTerms=../atom:category/@term
atom.ItemAttribute.categorySchemes=../atom:category/@scheme
atom.ItemAttribute.categoryLabels=../atom:category/@label
atom.ItemAttribute.selfLink=../atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=../atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=../atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=../atom:link[@rel='edit']/@href
```

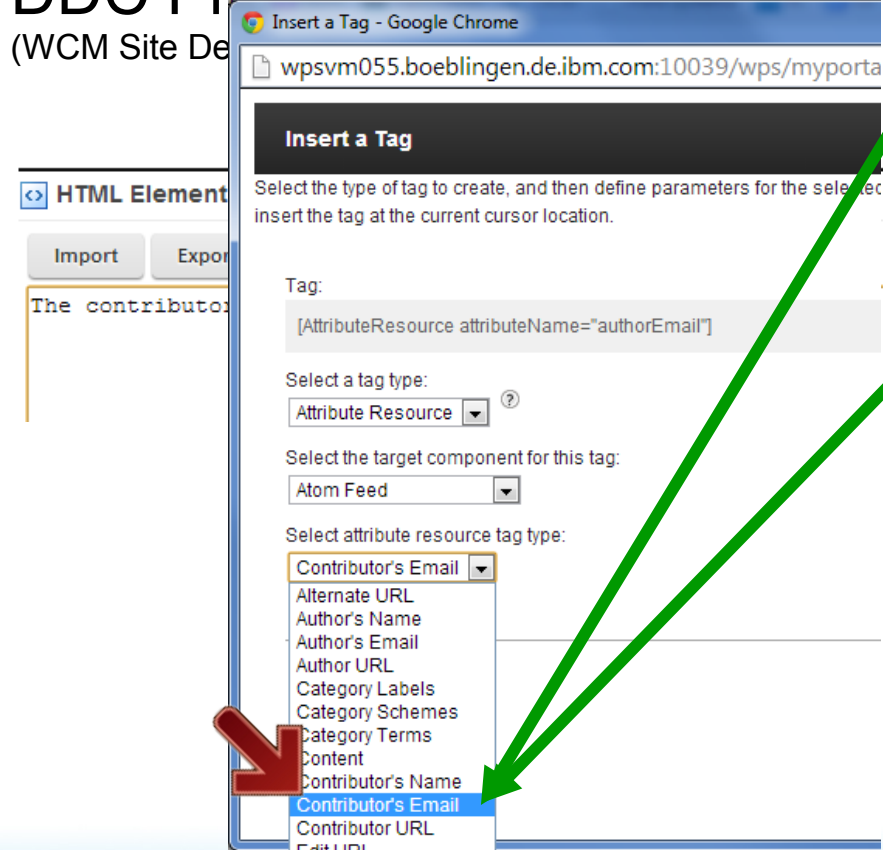
```
atom.ListProperty.author=../atom:feed/atom:author
atom.ListProperty.id=../atom:feed/atom:id
atom.ListProperty.selfLink=../atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=../atom:feed/atom:title
atom.ListProperty.updated=../atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

Site designers can pick the DDC profile ...

Sample DDC Profile for Atom feeds

# DDC Profiles: WCM Tag Helper

(WCM Site Designer)



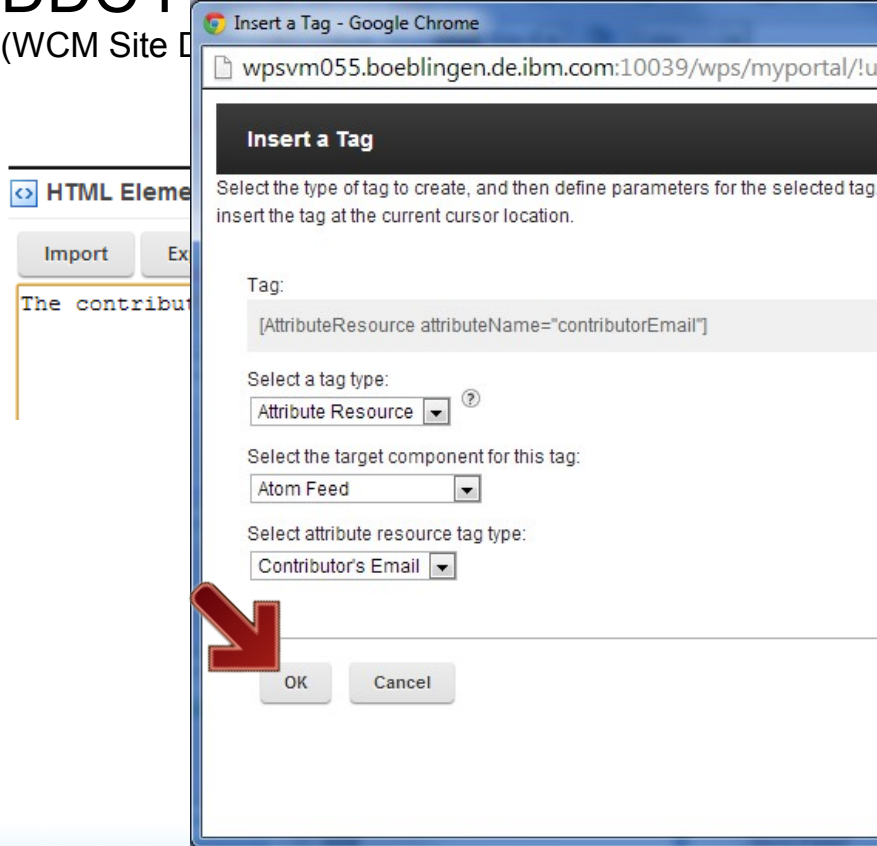
```
atom.Name=ibm.portal.atom
atom.BeanListProviderId=com.ibm.portal.wcm
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespacePrefixingId=com.ibm.portal.wcm.pzn.xml.AtomBeanListProvider
atom.ListItemSelection=//atom:entry
atom.ItemAttribute.id=../atom:id
atom.ItemAttribute.title=../atom:title
atom.ItemAttribute.summary=../atom:summary
atom.ItemAttribute.subtitle=../atom:subtitle
atom.ItemAttribute.authorName=../atom:author/atom:name
atom.ItemAttribute.authorEmail=../atom:author/atom:email
atom.ItemAttribute.authorUri=../atom:author/atom:uri
atom.ItemAttribute.contributorName=../atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=../atom:contributor/atom:email
atom.ItemAttribute.contributorUri=../atom:contributor/atom:uri
atom.ItemAttribute.updated=../atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=../atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=../atom:content
atom.ItemAttribute.categoryTerms=../atom:category/@term
atom.ItemAttribute.categorySchemes=../atom:category/@scheme
atom.ItemAttribute.categoryLabels=../atom:category/@label
atom.ItemAttribute.selfLink=../atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=../atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=../atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=../atom:link[@rel='edit']/@href
atom.ListProperty.author=../atom:feed/atom:author
atom.ListProperty.id=../atom:feed/atom:id
atom.ListProperty.selfLink=../atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=../atom:feed/atom:title
atom.ListProperty.updated=../atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

Sample DDC Profile for Atom feeds

Site designers select the attributes to add to the markup

# DDC Profiles: WCM Tag Helper

(WCM Site D



```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping.atom=http://www.w3.org/2005/Atom
```

```
atom.ListItemSelection=//atom:entry
```

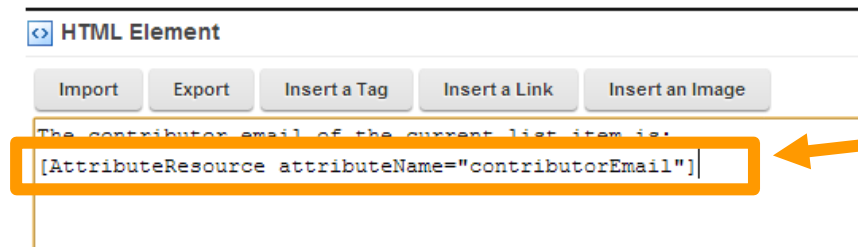
```
atom.ItemAttribute.id=./atom:id
atom.ItemAttribute.title=./atom:title
atom.ItemAttribute.summary=./atom:summary
atom.ItemAttribute.subtitle=./atom:subtitle
atom.ItemAttribute.authorName=./atom:author/atom:name
atom.ItemAttribute.authorEmail=./atom:author/atom:email
atom.ItemAttribute.authorUri=./atom:author/atom:uri
atom.ItemAttribute.contributorName=./atom:contributor/atom:name
atom.ItemAttribute.contributorEmail=./atom:contributor/atom:email
atom.ItemAttribute.contributorUri=./atom:contributor/atom:uri
atom.ItemAttribute.updated=./atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=./atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=./atom:content
atom.ItemAttribute.categoryTerms=./atom:category/@term
atom.ItemAttribute.categorySchemes=./atom:category/@scheme
atom.ItemAttribute.categoryLabels=./atom:category/@label
atom.ItemAttribute.selfLink=./atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=./atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=./atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=./atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=//atom:feed/atom:author
atom.ListProperty.id=/atom:feed/atom:id
atom.ListProperty.selfLink=/atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=/atom:feed/atom:title
atom.ListProperty.updated=/atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

*Sample DDC Profile for Atom feeds*

# DDC Profiles: WCM Tag Helper

(WCM Site Designer view)



```
atom.Name=ibm.portal.atom
atom.BeanListProviderID=ibm.portal.plr.xml
atom.ResourceBundleBaseName=com.ibm.workplace.wcm.pzn.xml.AtomBeanListProvider
atom.NamespaceMapping.atom=http://www.w3.org/2005/Atom
```

```
atom.ListItemSelection=//atom:entry
```

```
atom.ItemAttribute.id=../atom:id
atom.ItemAttribute.title=../atom:title
atom.ItemAttribute.summary=../atom:summary
atom.ItemAttribute.subtitle=../atom:subtitle
atom.ItemAttribute.authorName=../atom:author/atom:name
atom.ItemAttribute.authorEmail=../atom:author/atom:email
atom.ItemAttribute.authorUri=../atom:author/atom:uri
atom.ItemAttribute.contributorEmail=../atom:contributor/atom:email
atom.ItemAttribute.contributorUri=../atom:contributor/atom:uri
atom.ItemAttribute.updated=../atom:updated
atom.ItemAttribute.updated.Type=Date
atom.ItemAttribute.published=../atom:published
atom.ItemAttribute.published.Type=Date
atom.ItemAttribute.content=../atom:content
atom.ItemAttribute.categoryTerms=../atom:category/@term
atom.ItemAttribute.categorySchemes=../atom:category/@scheme
atom.ItemAttribute.categoryLabels=../atom:category/@label
atom.ItemAttribute.selfLink=../atom:link[@rel='self']/@href
atom.ItemAttribute.enclosureLink=../atom:link[@rel='enclosure']/@href
atom.ItemAttribute.alternateLink=../atom:link[@rel='alternate']/@href
atom.ItemAttribute.editLink=../atom:link[@rel='edit']/@href
```

```
atom.ListProperty.author=../atom:feed/atom:author
atom.ListProperty.id=../atom:feed/atom:id
atom.ListProperty.selfLink=../atom:feed/atom:link[@rel='self']/@href
atom.ListProperty.title=../atom:feed/atom:title
atom.ListProperty.updated=../atom:feed/atom:updated
atom.ListProperty.updated.Type=Date
```

*Sample DDC Profile for Atom feeds*

# Rendering of Bean Lists



Establish the DDC Context

## Presentation Template Options

Presentation Markup:

Import Export Insert a Tag Insert Element Tags Insert a Link Insert an Image

```
[Plugin:ListRenderingContext extension-id="ibm.portal.plr.xml" action="set"
attribute="source=https://wpsvm249.boeblingen.de.ibm.com:9444/communities/service/atom/community/members?
communityUuid=a18b7452-5876-4631-a63b-6fe1f43c5f25" profile="ibm.portal.atom"]
```

### ▼ List Presentation Markup

Use HTML to define how list results are presented to your site visitors, including a header, footer, and separator.

Header:

Import Export Insert a Tag Insert a Link Insert an Image

```
<h2>[Plugin:ListRenderingContext action="getListProperty" key="title"]</h2>
```

Access List Properties

Result design:

Import Export Insert a Tag Insert a Link Insert an Image

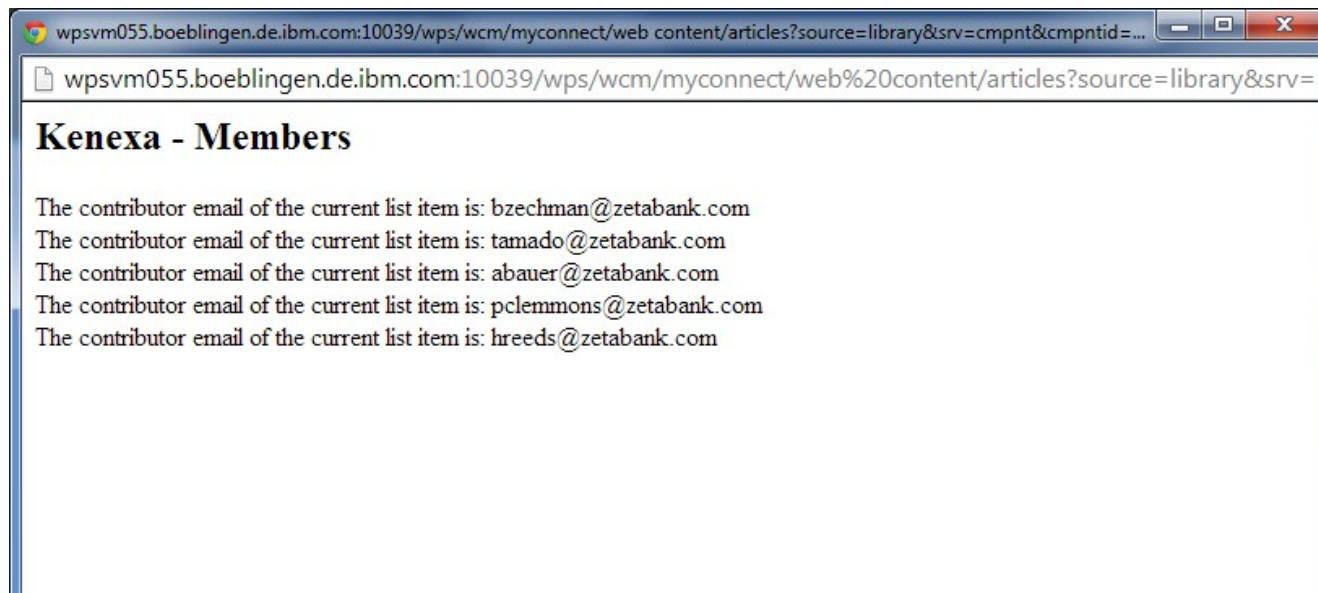
The contributor email of the current list item is:

```
[AttributeResource attributeName="contributorEmail"]<br>
```

Access List Item Attributes

DDC List Appearance PZN Component

# Rendering of Bean Lists – Rendering Output

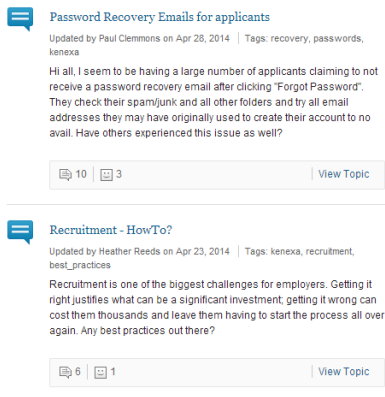


# Extending the generic XML DDC Plugin

advanced integration of remote XML Data with little coding



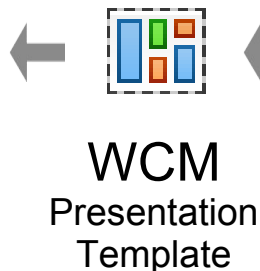
## Markup



## Portal Page



## Generic List Data Structure



### Use a DDC plug-in delegation pattern to

- Implement dynamic source URL computation
- Tweak the bean lists generated by the XML plug-in
- Add computed attributes

**Delegate XML loading and profile based transformation to the XML plug-in**

# Integrating non XML data using a custom DDC Plugin



integration of arbitrary remote data

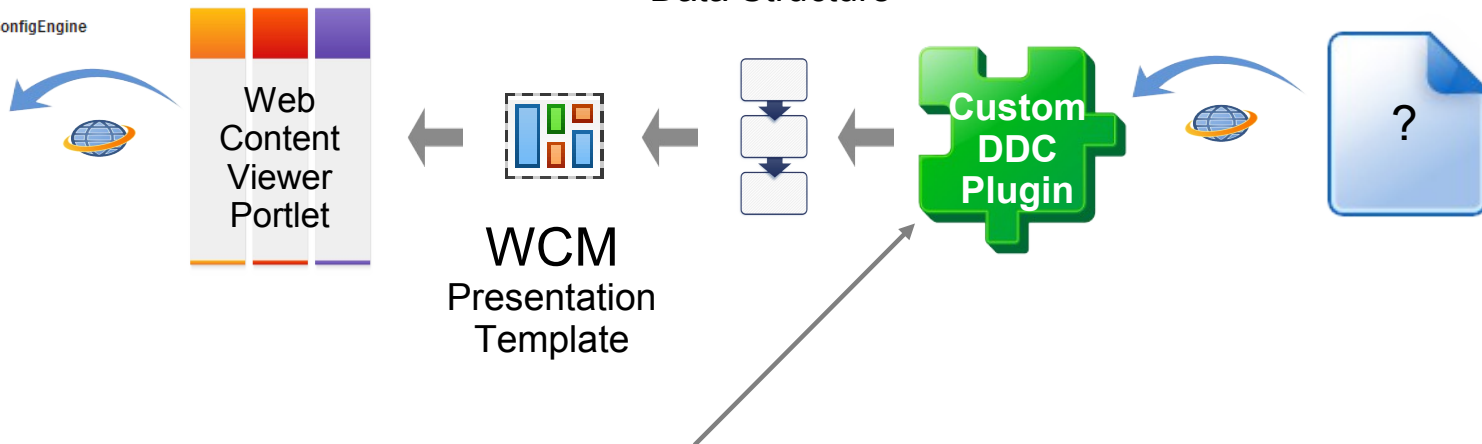
Markup

Portal Page

Generic List  
Data Structure

Current Folder: /opt/WebSphere/wp\_profile/ConfigEngine

- ..
- config
- log
- properties
- uninstall
- base\_dynamic.xml (75159 bytes)
- ConfigEngine.bat (1161 bytes)
- ConfigEngine.sh (978 bytes)
- registry.xml (170057 bytes)

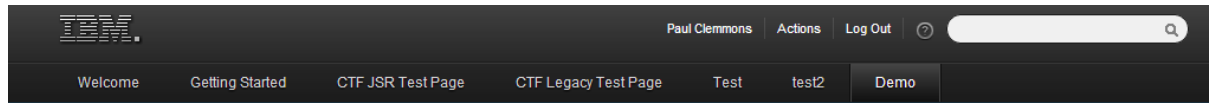


## Use a custom DDC plugin to

- Integrate arbitrary data from arbitrary sources
- Have full control over the bean list creation process (Java code)

# Dynamic DDC Rendering Contexts

Source and Filter parameters can be overridden using public/private render parameters



**Retail Associate**  
Saginaw, MI - 2 hours ago | Full Time | Oct 8  
Retail Associates assist customers in finding merchandise and making buying decisions. They also ensure the department and merchandise displays are organized and fully stocked.

**Retail Outfitter**  
Saginaw, MI - 2 hours ago | Full Time | Oct 8  
Assists customers in finding merchandise and making buying decisions. Restocks merchandise to ensure the department and merchandise displays are organized and fully stocked.

**Retail Associate**  
Saginaw, MI - 2 hours ago | Full Time | Oct 8  
Retail Associates assist customers in finding merchandise and making buying decisions. They also ensure the department and merchandise displays are organized and fully stocked.

**Source**

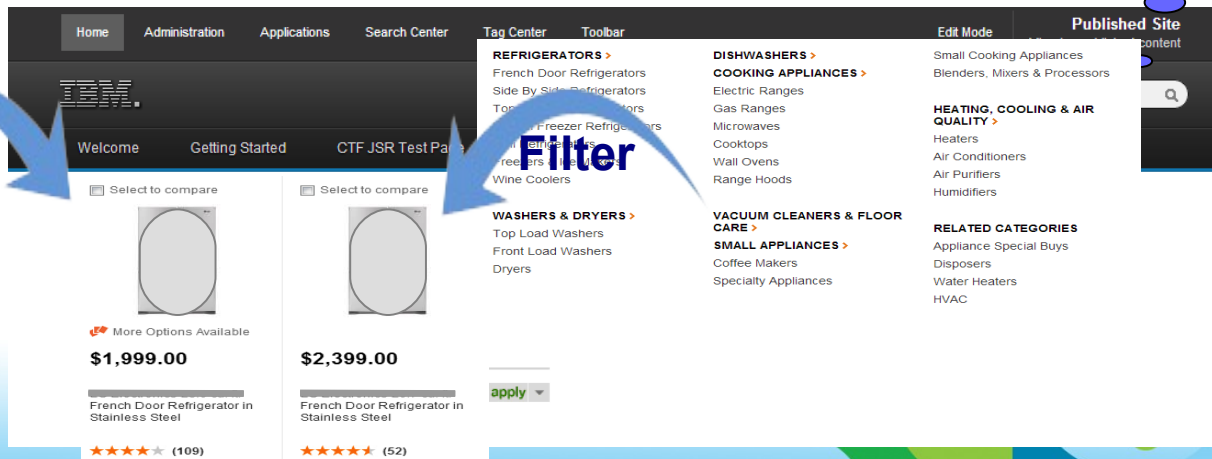
E.g.: Custom Portlet sets the source URL

E.g. theme menus setting filters

E.g. other DDC lists setting filters

**Filter**

**Filter**



# The generic XML DDC Plugin: Supporting User Interaction

Integrating remote XML Data without coding

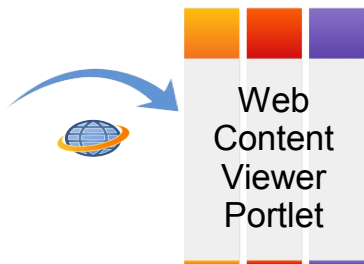
Markup

Portal Page



Comment on this Blog Post

I fully agree to this statement.  
Thanks for posting this :-)



Payload Document

PUT/POST/DELETE



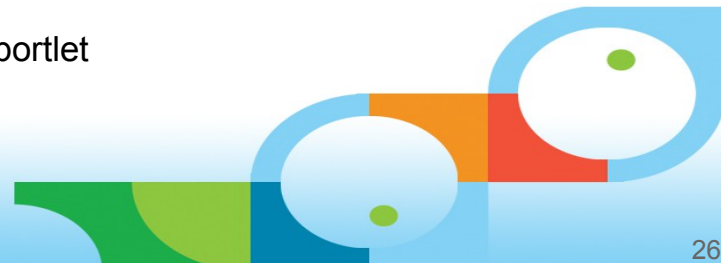
- **Use the XML plugin to implement XML REST based CRUD operations**
  - Use WCM generated HTML forms to put/post/delete XML document through DDC
  - Use DDC profiles to setup the right payload XML document



DDC Profile

# New DDC Rendering Plugins

- [Plugin:ActionURL]
  - Use this plugin in your HTML forms to post data through the Web Content Viewer portlet to an outbound data sink
- [Plugin:RenderURL]
  - Use this plugin to generate URLs that set, add, or remove private and public render parameters
- [Plugin:ResourceURL]
  - Use this plugin to construct proxied outbound URLs
- [Plugin:RenderParam]
  - Use this plugin to read private and public render parameters
- [Plugin:Page]
  - Use this plugin to obtain information about the current page
- [Plugin:Portlet]
  - Use this plugin to obtain information about the current portlet
- [Plugin:SessionAttribute]
  - Use this plugin to read/write portlet session attribute



## DDC Information Sources

- Public DDC Community:  
<https://www.ibm.com/developerworks/community/groups/community/ddc>
- DDC Samples on „Digital Experience Developer“:  
<https://developer.ibm.com/digexp/>
- DDC Reference Documentation in 8001:  
[http://www-10.lotus.com/ldd/portalwikinst/xpDocViewer.xsp?lookupName=V8+Update%3A+Supplemental+Documentation#action=openDocument&res\\_title=8.0.0.1\\_Supplemental\\_Documentation\\_wp8001&content=pdcontent](http://www-10.lotus.com/ldd/portalwikinst/xpDocViewer.xsp?lookupName=V8+Update%3A+Supplemental+Documentation#action=openDocument&res_title=8.0.0.1_Supplemental_Documentation_wp8001&content=pdcontent)
- DDC Reference Documentation in 85:  
[http://www-01.ibm.com/support/knowledgecenter/SSHRKX\\_8.5.0/mp/social/plrf\\_ovu.dita?lang=en](http://www-01.ibm.com/support/knowledgecenter/SSHRKX_8.5.0/mp/social/plrf_ovu.dita?lang=en)
- DDC Step-by-Step samples (Connect 2014)  
<https://www.ibm.com/developerworks/community/forums/html/topic?id=137f9e88-d785-4918-8a1f-ad4fd62f1b8d>

# Demo

[https://w3-connections.ibm.com/communities/service/html/communityview?communityUid=535c9746-e1c7-4015-839d-78629d41e423#fullpageWidgetId=Wef59a1f67a29\\_4cfe\\_a4d9\\_d9e0f5105e33&file=a15f324b-0316-4bd3-a705-b55223dd5bae](https://w3-connections.ibm.com/communities/service/html/communityview?communityUid=535c9746-e1c7-4015-839d-78629d41e423#fullpageWidgetId=Wef59a1f67a29_4cfe_a4d9_d9e0f5105e33&file=a15f324b-0316-4bd3-a705-b55223dd5bae)

# DDC Sample: RSS Feeds

- Implemented using DDC XML plugin
- Generic RSS DDC Profile
- No Java code required
- Full solution is comprised by one Web Content Library + DDC profile

<http://newsoffice.mit.edu/rss/topic/computers>

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Jul 24, 2013

New research to be presented at the 2013 SIGGRAPH computer graphics conference could transform field of 3-D printing.



### A faster Internet — designed by computers?

Jul 19, 2013

Computer-designed algorithms for controlling network congestion yield transmission rates two to three times as high as those designed by humans.



### Writing programs using ordinary language

Jul 11, 2013

Systems that can convert written specifications into working code in a few narrow cases could be generalized to other tasks.



### Researchers build an all-optical transistor

Jul 5, 2013

An optical switch that can be turned on by a single photon could point toward new designs for both classical and quantum computers.



### Securing the cloud

Jun 10, 2013

A new algorithm solves a major problem with homomorphic encryption, which would let Web servers process data without decrypting it.

6 - 10 of 50

1 | 2 | 3 | ...

Previous | Next

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Support for Podcast Feeds

Plain HTML5 Player

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Sep 7, 2010 | Duration: 15:17



### IBM's Meg Selfe, vp smart products & systems, IBM Rational, discusses how software is helping companies become more innovative.

Jun 7, 2010 | Duration: 4:47



### IBM and University of Central Florida Team to Prepare Graduates for High-Growth Technology Jobs.

May 14, 2010 | Duration: 12:06



### IBM Podcast with Keith Dierkx, director of the IBM Global Rail Innovation Center.

May 6, 2010 | Duration: 5:36



### UK CEOs View Investing in Security as a Top Priority for Protecting Corporate Data

Mar 24, 2010 | Duration: 9:53



1 - 5 of 34

1 | 2 | 3 | ...

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<http://www.ibm.com/developerworks/podcasts/channel-dwall.rss>

Custom Player (controlled by WCM designs)

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26 Jun 2013 | Category: News & Politics | duration: 25:01



### CNN Radio News Day: June 24, 2013

24 Jun 2013 | Category: News & Politics | duration: 21:10



### CNN Radio News Day: June 21, 2013

21 Jun 2013 | Category: News & Politics | duration: 25:51



### CNN Radio News Day: June 20, 2013

20 Jun 2013 | Category: News & Politics | duration: 29:22



### CNN Radio News Day: June 19, 2013

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1 - 5 of ...

1 | 2 | 3

Previous | Next

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<http://rss.cnn.com/services/podcasting/newscast/r...>

Sample

# DDC Sample: RSS Feeds





RSS Feed (Specified)


Feed URL:  
<http://newsoffice.mit.edu/rss/topic/computers>


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Jul 24, 2013  
New research to be presented at the 2013 SIGGRAPH computer graphics conference could transform field of 3-D printing.

 **A faster Internet — designed by computers?**  
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 **Writing programs using ordinary language**  
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 **Researchers build an all-optical transistor**  
Jul 5, 2013  
An optical switch that can be turned on by a single photon could point toward new designs for both classical and quantum computers.

 **Securing the cloud**  
Jun 10, 2013  
A new algorithm solves a major problem with homomorphic encryption, which would let Web servers process data without decrypting it.


6 - 10 of 50      1 | 2 | 3 | ...      Previous | Next


unconfigured rss feed\_1 (Specified)


Feed URL:  
<http://www-03.ibm.com/press/feed/podcast/itunes/>


**IBM News Center - Audio Podcasts - United States**


Podcasts from IBM's Press Room,  
<http://www-03.ibm.com/press>




**Analyze This: Beacon Institute for Rivers and Estuaries**  
Sep 7, 2010 | Duration: 15:17  


**IBM's Meg Selfe, vp smart products & systems, IBM Rational, discusses how software is helping companies become more innovative.**  
Sep 7, 2010 | Duration: 4:47  


**University of Central Florida Team to Prepare High-Growth Technology Jobs.**  
May 14, 2010 | Duration: 12:55  


**IBM Podcast with Keith Dierks, Director of the IBM Global Rail Innovation Center.**  
May 6, 2010 | Duration: 5:36  


**UK CEOs View Investing in Security as a Top Priority**  
Mar 24, 2010 | Duration: 9:53  



1 - 5 of 34      1 | 2 | 3 | ...      Previous | Next  
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RSS Feed (Specified)

Feed URL:  
<http://newsoffice.mit.edu/rss/topic/computers>

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New research to be presented at the 2013 SIGGRAPH computer graphics conference could transform field of 3-D printing.

 **A faster Internet — designed by computers?**  
Jul 19, 2013

Open Edit Form

Libraries > Portal Site > Content > Content Root > DDC > RSS > RSS Feed

**RSS Feed** ☆  
Status - Published | Last modified Today 2:31:23 PM GMT+02:00 by wpadmin | Created by wpadmin

Save and Close Read Preview Apply Authoring Template More Close

Content Properties

\*Name:  
RSS Feed

Display title:  
RSS Feed

Description:  
Copy this item to render individual RSS feeds by filling in the "Source URL" value.

Source URL  
Source URL  
<http://newsoffice.mit.edu/rss/topic/computers>

List Appearance  
Component:  
Select Component  
RSS Feeds / List Appearances / RSS Feed

Save and Close Read Preview Apply Authoring Template More Close

\* Required Fields

In-place editing for Feed URL

In context access to list definition and design

Sample

# DDC Sample: RSS Feeds: RSS DDC Profile



```
rss.Name=ibm.portal.rss
rss.BeanListProviderID=ibm.portal.ddc.xml
rss.NamespaceMapping.atom10=http://www.w3.org/2005/Atom
rss.NamespaceMapping.feedburner=http://rssnamespace.org/feedburner/ext/1.0
rss.NamespaceMapping.content=http://purl.org/rss/1.0/modules/content/
rss.NamespaceMapping.media=http://search.yahoo.com/mrss/
```

```
rss.ListItemSelection=//item
```

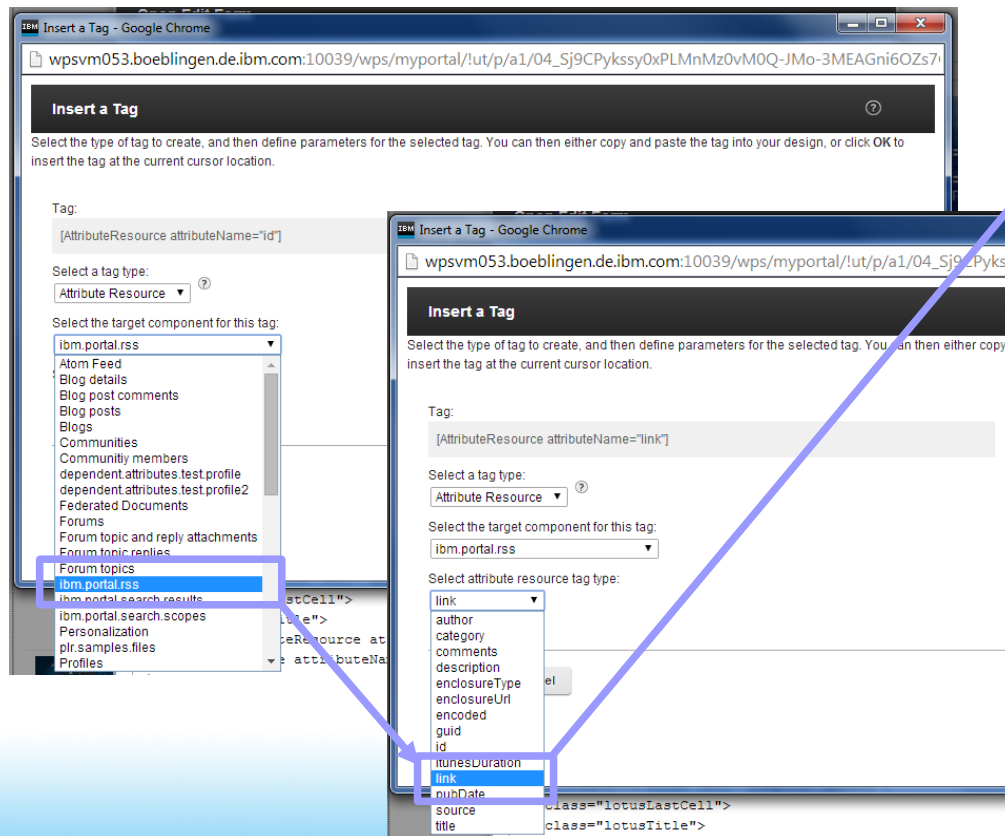
## #Item Attributes

```
rss.ItemAttribute.id= ./title
rss.ItemAttribute.title= ./title
rss.ItemAttribute.description= ./description
rss.ItemAttribute.link= ./link
rss.ItemAttribute.author= ./author
rss.ItemAttribute.category= ./category
rss.ItemAttribute.comments= ./comments
rss.ItemAttribute.guid= ./guid
rss.ItemAttribute.pubDate= ./pubDate
rss.ItemAttribute.pubDate.Type=Date
rss.ItemAttribute.source= ./source
rss.ItemAttribute.encoded= ./content:encoded
rss.ItemAttribute.enclosureType= ./enclosure/@type
rss.ItemAttribute.enclosureUri= ./enclosure/@url
rss.ItemAttribute.mediaContentURL= ./media:content/@url
rss.ItemAttribute.mediaEncoded= ./media:encoded
```

## # List Properties

```
rss.ListProperty.title=/rss/channel/title
rss.ListProperty.link=/rss/channel/link
rss.ListProperty.description=/rss/channel/description
rss.ListProperty.language=/rss/channel/language
rss.ListProperty.copyright=/rss/channel/copyright
rss.ListProperty.pubDate=/rss/channel/pubDate
rss.ListProperty.pubDate.Type=Date
rss.ListProperty.ttl=/rss/channel/ttl
rss.ListProperty.category=/rss/channel/category
rss.ListProperty.cloud=/rss/channel/cloud
rss.ListProperty.docs=/rss/channel/docs
rss.ListProperty.generator=/rss/channel/generator
rss.ListProperty.imageTitle=/rss/channel/image/title
rss.ListProperty.imageLink=/rss/channel/image/link
rss.ListProperty.imageUrl=/rss/channel/image/url
rss.ListProperty.imageWidth=/rss/channel/image/width
rss.ListProperty.imageHeight=/rss/channel/image/height
rss.ListProperty.imageDescription=/rss/channel/image/description
rss.ListProperty.atom10SelfLink=/rss/channel/atom10:link[@rel='self']/@href
rss.ListProperty.feedburnerUri=/rss/channel/feedburner:info/@uri
rss.ListProperty.atom10HubLink=/rss/channel/atom10:link[@rel='hub']/@href
```

# DDC Sample: RSS Feeds: Site Designer View



```
<tr>
[Component name="rss feeds/fragments/first cell" compute="always"]
<td class="lotusLastCell">
<h4 class="lotusTitle">
<a href="[AttributeResource attributeName="link" separator="," "]" target="_blank">
[AttributeResource attributeName="title" separator="," "]</a>
</h4>
<div class="lotusMeta">
<ul class="lotusInlinelist">
<li class="lotusFirst">
[AttributeResource attributeName="pubDate" format="DATE_MEDIUM" separator="," "]
</li>
</ul>
</div>
</td>
</tr>

<tr class="lotusDetails">
<td class="lotusFirstCell"> </td>
<td class="lotusLastCell">
<p>[AttributeResource attributeName="description" separator="," "]</p>
</td>
</tr>
```

Edit Add To Project... Preview Change to Draft More ▾ Close

# DDC Samples: Tagged Photos



- Implemented using DDC XML plugin
- Using Ootb Atom Profile
- No Java code required
- Dynamic source URL construction using DDC rendering plugins

Photos tagged with ibm



Uploaded by dalelane | Today 3:07:51 PM



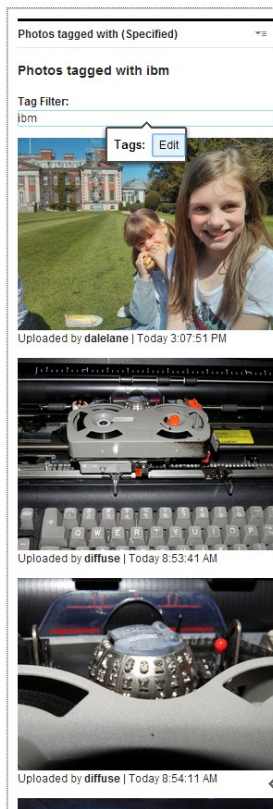
Uploaded by diffuse | Today 8:53:41 AM



Uploaded by diffuse | Today 8:54:11 AM



Uploaded by diffuse | Today 8:54:11 AM



Photos tagged with ibm, connect



Uploaded by Hiroyuki Okamoto | Feb 14, 2014



Uploaded by Hiroyuki Okamoto | Feb 13, 2014



Uploaded by Hiroyuki Okamoto | Feb 12, 2014



Setting the tag filter using inplace authoring

Sample

# DDC Samples: Tagged Photos



Photos tagged with (Specified) ▾

Photos tagged with ibm, connect

Tag Filter:  
ibm, connect



Uploaded by Hiroyuki Okamoto | Feb 14, 2014



Uploaded by Hiroyuki Okamoto | Feb 13, 2014



Uploaded by Hiroyuki Okamoto | Feb 12, 2014


Photos tagged with published

- Open Read Form
- Open Edit Form
- Delete



Open Edit Form

Libraries > Portal Site > Content > Content Root > DDC > Flickr > Photos tagged with

 Photos tagged with ☆

Status - Published | Last modified Today 4:14:18 PM GMT+02:00 by wpsadmin | Created by Paul Clemmons

Save and Close ▾ Read Preview Apply Authoring Template More ▾ Close

Content Properties

\*Name:  
Photos tagged with

Display title:  
Photos tagged with

Description:

Tags

Tags  
The comma separated list of tags to be used for filtering this list.

ibm, connect

List Appearance

Component:  
Select Component ▾  
Flickr / Flickr Feed [x]

Save and Close ▾ Read Preview Apply Authoring Template More ▾ Close

\* Required Fields

Switchable  
„Look and feel“

# DDC Samples: Tagged Photos: Dynamic Source



**Open Edit Form**

Libraries > Flickr > Presentation Templates > Flickr Feed

**Flickr Feed** ☆  
Status - Published | Last modified 4/10/14 1:46:29 PM GMT+02:00 by [wpsadmin](#) | Created by [wpsadmin](#)

Edit Add To Project... Preview Change to Draft More ▾ Close

Presentation Template Properties

**Name:**  
Flickr Feed

**Display title:**  
Flickr Feed

**Description:**  
The default presentation template for RSS lists

---

**Presentation Template Options**

**Presentation Markup:**

Export

```
[Plugin:ListRenderingContext action="set" extension-id="ibm.portal.ddc.xml"
profile="ibm.portal.atom" compute="always" attribute="source=[Component
id='e3dd5772-03a2-493a-a961-
2d655a7400fa:NC9mbG1ja3IvZGF0YSBzb3VyY2VzL3RhZ2d1ZCBmb3Rvcw=='
name='flickr/data sources/tagged fotos']"]

[Plugin:ListRenderingContext action="getErrorMessage" compute="always"]

[Element context="current" type="content" key="List Appearance"
compute="always"]
```

**Process Connect Tags**  
false

Edit Add To Project... Preview Change to Draft More ▾ Close

Set the DDC  
Context

Libraries > Flickr > Components > Data Sources > Tagged Fotos



## Tagged Fotos ☆

Status - Published | Last modified 4/9/14 5:11:12 PM GMT+02:00 by [Paul Clemmons](#) | Created by [Paul Clemmons](#)

Edit Add To Project... Preview Change to Draft More ▾ Close

HTML Properties

**Name:**  
Tagged Fotos

**Display title:**  
Tagged Fotos

**Description:**  
None

### HTML Element

**HTML Markup:**

Export

```
[Plugin:ResourceURL url="http://api.flickr.com/services/feeds/photos_public.gne" param="tags=[Element
context='current' type='content' key='tags']"]
```

Edit Add To Project... Preview Change to Draft More ▾ Close

cf.: [https://www.flickr.com/services/feeds/docs/photos\\_public/](https://www.flickr.com/services/feeds/docs/photos_public/)

Sample

# DDC Samples: Portal Search

- Implemented using DDC XML plugin
- Portal Search DDC Profile
- No Java code required
- Dynamic search URL construction using DDC rendering plugins

The screenshot shows a web application interface for a portal search. At the top is a dark navigation bar with links: RSS, Flickr, DDC Profiles, Portal Search (highlighted), and Local Files. Below the navigation bar is the 'Search Results' section. A callout bubble points to the 'Portal Search' link, stating 'Data connector rendering search result'. The search results are for the term 'Kenexa' with the scope 'com.ibm.lotus.search.ALL\_SOURCES'. The results list includes:

- Kenexa Community Members** (Apr 15, 2014 | Relevance: 100.0) - Summary: The list of members of the Kenexa Community.
- Kenexa** (Apr 2, 2014 | Relevance: 89.23184967041016)
- Kenexa Campaign Management Forum Details** (Apr 2, 2014 | Relevance: 88.59423065185547)
- Kenexa Blog Details** (Apr 2, 2014 | Relevance: 86.45203399658203)
- Kenexa** (Apr 15, 2014 | Relevance: 85.13443756103516) - Summary: This is the landing page for the Kenexa Community.

At the bottom of the results list are pagination links: '1 - 5 of 20', '1 | 2 | 3 | ...', 'Previous | Next'. A footer note says 'Powered by DDC'. On the right side, there is a search input field containing 'Kenexa' and a 'Clear' button. A callout bubble points to the search input field, stating 'WCM Content Item to set „scope” and „search term” parameters'. A red arrow points to the search input field.

# DDC Samples: Portal Search


Data connector  
rendering new  
search result


Scope selector  
Reflects new  
state


[RSS](#) [Flickr](#) [DDC Profiles](#) [Portal Search](#) [Local Files](#)


## Search Results


Search term: Kenexa , Scope: com.ibm.lotus.search.MANAGEDWEB

 **Kenexa Discussions**  
Apr 15, 2014 | Relevance: 100.0

 **Kenexa Community Members**  
Apr 15, 2014 | Relevance: 95.94407653808594  
**Summary:** The list of members of the Kenexa Community.


 **Kenexa Sub Communities**  
Apr 15, 2014 | Relevance: 92.22268676757812

 **Kenexa Community Details**  
Apr 15, 2014 | Relevance: 89.71458435058594

 **Kenexa Forum Topic Details**  
Apr 15, 2014 | Relevance: 87.37289428710938

Available Search Scopes:

- All Sources ( [Click to select](#) )
- Managed Web Content (Selected)**

 [Clear](#)

1 - 5 of 6 [1](#) | [2](#) [Previous](#) | [Next](#)

Powered by DDC

Sample

# DDC Samples: Portal Search



RSS Flickr DDC Profiles **Portal Search** Local Files

## Search Results (Specified)

### Search Results

Search term: Kenexa , Scope: com.ibm.lotus.search.MANAGEDWEB



#### Kenexa Discussions

Apr 15, 2014 | Relevance: 100.0



#### Kenexa Community Members

Apr 15, 2014 | Relevance: 95.94407653808594

**Summary:** The list of members of the Kenexa Community.



#### Kenexa Sub Communities

Apr 15, 2014 | Relevance: 92.22268676757812



#### Kenexa Community Details

Apr 15, 2014 | Relevance: 89.71458435058594



#### Kenexa Forum Topic Details

Apr 15, 2014 | Relevance: 87.37289428710938

1 - 5 of 6

1 | 2

[Previous](#) | [Next](#)

Powered by DDC

## search form (Specified)

Available Search Scopes:

- All Sources ( [Click to select](#) )
- **Managed Web Content (Selected)**

Kenexa

[Q](#) [Clear](#)

In context  
access to  
connector definition  
and list design

### Search Results *published*

[Open Read Form](#)

[Open Edit Form](#)

[Delete](#)

### search form *published*

[Open Read Form](#)

[Open Edit Form](#)

[Delete](#)

## search form (Specified)

Available Search Scopes:

- All Sources ( [Click to select](#) )
- **Managed Web Content (Selected)**

Kenexa

[Q](#) [Clear](#)

Sample

# DDC Samples: Portal Search



**Open Edit Form**

Save and Close Read Preview Apply Authoring Template More

Close

Content Properties

\*Name:  
search result list

Display title:  
Search Results

Description:

Search Term

Search Term

design

Component:  
Select Component  
Portal Search / Apearances / Sample Result List

Save and Close Read Preview Apply Authoring Template More

Close

Switchable  
design

**Open Edit Form**

Libraries > Portal Site > Content > Content Root > DDC > Portal  
Search > search form

search form

Status - Published | Last modified Yesterday 5:28:38 PM  
GMT+02:00 by [wpsadmin](#) | Created by [Anna Bauer](#)

Save and Close Read Preview

Apply Authoring Template More Close

Content Properties

\*Name:  
search form

Display title:  
search form

Description:

HTML Component

Component:  
Select Component  
Portal Search / Fragments / Search Form

Save and Close Read Preview

Apply Authoring Template More Close

Sample

# DDC Samples: Local Files System



- Implemented using custom DDC Plugin
- Java implementation reads information from local file system
- Solution consists of Web Content Library + one JAR file containing the plugin code and the DDC profile

## Local Files

Current Folder: /opt/WebSphere/wp\_profile

- ..
- bin
- build
- config
- ConfigEngine
- configuration
- consolepreferences
- ejbdeploy
- etc
- expandedBundles
- firststeps

First | Previous | Next | Last



## Local Files

Current Folder: /opt/WebSphere/wp\_profile/ConfigEngine

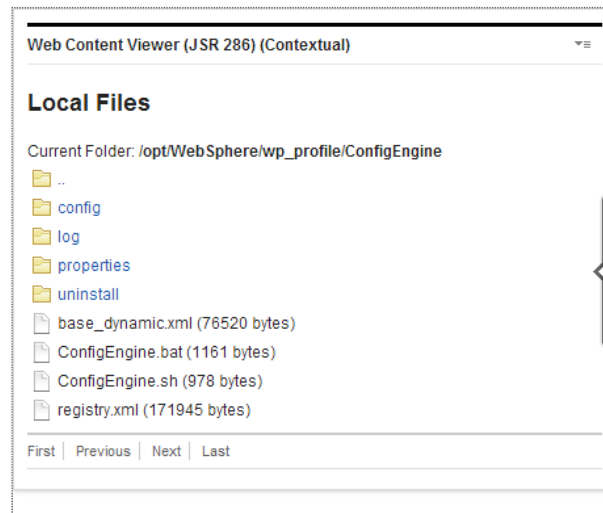
- ..
- config
- log
- properties
- uninstall
- base\_dynamic.xml (76520 bytes)
- ConfigEngine.bat (1161 bytes)
- ConfigEngine.sh (978 bytes)
- registry.xml (171945 bytes)

First | Previous | Next | Last

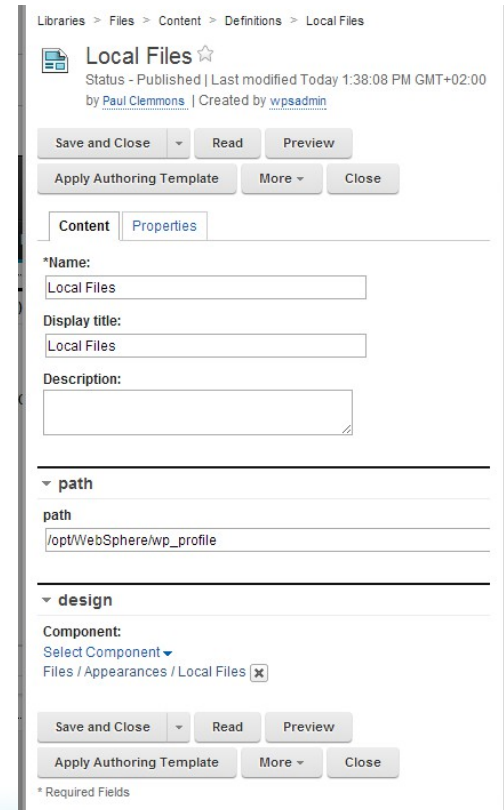
# DDC Samples: Local Files System



- Implemented using custom XML plugin
- Java implementation reads information from local file system
- Solution consists of Web Content Library + one JAR file containing the plugin code and the DDC profile



Local Files *published*  
Open Read Form  
Open Edit Form  
Delete



# DDC Samples: Twitter

Web Content  
driving the twitter  
#tag

## IBM Connect 2014

wpsadmin - May 12, 2014

**Connect**2014  
Stay  
Connected

## Recent tweets for #IBMConnect



**cweemeng**

Singapore | Followers: 41 | Friends: 145

RT @matnewman: #IBMConnect Comes To You in ASEAN: Jakarta, Manila, Singapore, Bangkok, Kuala Lumpur, Register Now! <http://t.co/0tmvcxduvH>

Tue Jun 03 05:33:46 +0000 2014



**dennisg76**

Philippines | Followers: 120 | Friends: 343

RT @matnewman: #IBMConnect Comes To You in ASEAN: Jakarta, Manila, Singapore, Bangkok, Kuala Lumpur, Register Now! <http://t.co/0tmvcxduvH>

Tue Jun 03 05:32:08 +0000 2014



**matnewman**

Singapore | Followers: 2180 | Friends: 1043

#IBMConnect Comes To You in ASEAN: Jakarta, Manila, Singapore, Bangkok, Kuala Lumpur, Register Now! <http://t.co/0tmvcxduvH>

Tue Jun 03 05:22:43 +0000 2014



**mekobi**

Indianapolis, IN | Followers: 254 | Friends: 459

@jaybaer of course you will. You made #IBMConnect @IBMConnect 2014 the best I've been to. IMHO.

Sat May 31 14:16:15 +0000 2014

Recent tweets  
For displayed  
Web content

WCM generated  
look and feel

Sample

# Prove of Technology: DDC based integration of Sterling Commerce



Home > Appliances > Refrigerators > Side By Side Refrigerators

## Side By Side Refrigerators

Browse

< Appliances

< Refrigerators

Side By Side Refrigerators

Brand

☐ LG (2)

☐ GE (13)

☐ Maytag (3)

☐ Frigidaire (2)

☐ Whirlpool (7)

☐ Samsung (2)

☐ Amana (1)

**10% OFF** **APPLIANCES \$397 OR MORE**  
Now over 3,000 appliances in our expanded selection

ALL PRODUCTS (30)

ONLINE ONLY

IN MY STORE

Results Per Page: 12

1 2 3 >



**\$1278.00**

~~GE 25.5 cu. ft.~~ Side by Side Refrigerator in Black



**\$1199.00**

~~GE 33.5 cu. ft.~~ Side by Side Refrigerator in Stainless Steel



**\$1388.00**

~~GE 35.0 cu. ft.~~ Side by Side Refrigerator in Stainless Steel

# Prove of Technology: DDC based integration of Sterling Commerce



DDC List of Categories

DDC List of Brands

Home > Appliances > Refrigerators > Side By Side Refrigerators

## Side By Side Refrigerators

Browse

< Appliances

< Refrigerators

Side By Side Refrigerators

Brand

- ☐ LG (2)
- ☐ GE (13)
- ☐ Maytag (3)
- ☐ Frigidaire (2)
- ☐ Whirlpool (7)
- ☐ Samsung (2)
- ☐ Amana (1)

**10% OFF APPLIANCES \$397 OR MORE**  
Now over 3,000 appliances in our expanded selection




ALL PRODUCTS (30)

ONLINE ONLY

IN MY STORE

"Current Category" Singleton List

List of Products

		
<b>\$1278.00</b>	<b>\$1199.00</b>	<b>\$1388.00</b>
GE 25.0 cu. ft. Side by Side Refrigerator in Black	GE 22.5 cu. ft. Side by Side Refrigerator in Stainless Steel	GE 25.0 cu. ft. Side by Side Refrigerator in Stainless Steel

POT

## Prove of Technology: DDC based integration of Sterling Commerce: Rebranded



Photo MinuteClinic Optical Gift Cards Help Log Out Cart

Pharmacy Shop Deals ExtraCare

Shop By Department Search *What can we help you find?*

Your Health: How-To Your Account

Index Signpost (Specified)

Home > Shopping > Health & Medicine > Pain & Fever

### Pain & Fever

Web Content Viewer (JSR 286) (Specified) Web Content Viewer (JSR 286) (Specified)

ALL PRODUCTS (6) ONLINE ONLY IN MY STORE

Browse

< Shopping

< Health & Medicine

Pain & Fever

Web Content Viewer (JSR 286) (Specified)

Results Per Page: 12 1

\$6.49	\$7.99	\$8.99	\$2.37

id Next Previous Highlight all ☒ Match case

Current Products G... published

- Open Read Form
- Open Edit Form
- Delete
- Edit Content Spot

# Prove of Technology: DDC based integration of Sterling Commerce: Rebranded

Home Administration Applications

Open Edit Form

Published Site  
Directly editing published content

Revert Save More

Workflow Stage: None

Web Content: Departments

Your Store

Shop By Department

Index Signpost (Specified)

Home > Shopping > Health & Medicine

Pain & Fever

Web Content Viewer (JSR 286) (Specified)

Browse

< Shopping

< Health & Medicine

Pain & Fever

Web Content Viewer (JSR 286) (Specified)

▼ Source

\*Source

- ☐ Products
- ☒ Products (ignoring subcategories)
- ☐ Product Details
- ☐ Categories (one level)
- ☐ Categories (two levels)
- ☐ Categories (all levels)
- ☐ Current Category
- ☐ Brands
- ☐ Brands (ignoring subcategories)

▼ Filter By Category Path

Filter By Category Path

Use this field to specify the root product category for this list (e.g. /HOME\_DEPOTMasterCatalog/Flooring)

▼ Filter by Brand

Filter by Brand

Use this text field to specify the brand name that shall be used to filter a list of products

▼ List Appearance

Component:

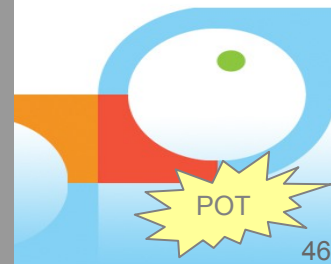
Select Component

Shop Design / Product Grid

Save and Close Read Preview Apply Authoring Template More

Close

\* Required Fields



# DDC Application: Social Rendering 8.5



# DDC Application: Social Rendering in Portal 8.5

- Implemented using Social Rendering DDC Plugin delegating XML processing & loading to the generic XML Plugin
- Additional computed attributes contributed by Social Rendering DDC plugin
- Set of Connections Profiles
- Connection Context Rendering plugin

The screenshot displays the IBM Kenexa portal interface. At the top, a navigation bar includes links for Home, Administration, Applications, Search Center, Tag Center, and Kenexa. A user profile for Paul Clemmons is visible, along with links for Actions, Log Out, and a search bar. Below the navigation bar, a banner reads "A SMARTER WORKFORCE MAKES SMARTER BUSINESS" with a graphic of a rainbow and gears. The main content area features a discussion titled "Has anyone found an effective way to collect basic candidate info without having them fully apply?". The discussion was updated by Paul Clemmons on July 22, 2013, and has 3 replies and 0 likes. The discussion content states: "We were going to implement Social Source as a CRM, but it was not up to date on browser versions, so we had to remove that from our implementation. While we look into other CRM's, I'm curious if anyone has found a way to collect basic candidate data (contact info and previous job title or employer) without them having to create a login and go through multiple screens." Below the discussion, there are three replies. The first reply is from Betty Zechman, dated July 22, with 0 likes and a reply link. The second reply is from Paul Clemmons, dated July 22, with 0 likes and a reply link. The third reply is from Anna Bauer, dated July 22, with 0 likes and a reply link.

Home Administration Applications Search Center Tag Center Kenexa Edit Mode Published Site Viewing published content

IBM. Paul Clemmons Actions Log Out ?

Welcome News Files

Welcome

**A SMARTER WORKFORCE  
MAKES SMARTER BUSINESS**

Has anyone found an effective way to collect basic candidate info without having them fully apply?

Updated by [Paul Clemmons](#) on July 22, 2013 | Tags: kenexa

3 | 0

We were going to implement Social Source as a CRM, but it was not up to date on browser versions, so we had to remove that from our implementation. While we look into other CRM's, I'm curious if anyone has found a way to collect basic candidate data (contact info and previous job title or employer) without them having to create a login and go through multiple screens.

**Discussion 3**

Reply to this topic...

Submit

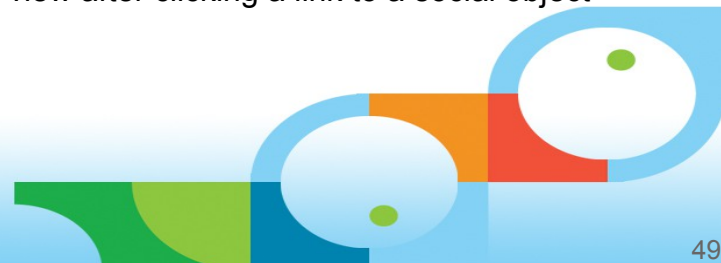
**Betty Zechman**  
You can attach a small candidate form to a basic talent gateway that is one page. Then attach a new candidate type to the gateway for easy searching and reporting. We have a custom URL that routes directly to the gateway. Email me if you would like to take a look. I hope that helps.  
July 22 | 0 | Reply

**Paul Clemmons**  
That's a great idea. Thank you!  
July 22 | 0 | Reply

**Anna Bauer**  
Hi Kristi. My company builds exactly what you are looking for. In fact our technology can even let candidates apply to your ATS without having to create a login. We work with companies like Nike, Fresenius, Loves, and more. Let me know if you would be interested in connecting to review. Thanks!

# Social Rendering in Portal 8.5 - Setup

- Install Portal 8.Next and IBM Connections CR 4
- Setup SSO between portal and Connections (if more than public information shall be integrated)
- Setup Connections Integration
- Install the Connections resolver provided by the Connections Portlets for WebSphere Portal (<https://greenhouse.lotus.com/plugins/plugincatalog.nsf/assetDetails.xsp?action=editDocument&documentId=D7EC26BFC0E6229F852579F800055063>)  
This resolver is responsible for navigating the user to an appropriate view after clicking a link to a social object



# Social Rendering in Portal 8.5



- Updated Social Rendering Designs
- Support for Forum Discussions
- Extensibility based on DDC
  - DDC Profiles for IBM Connections
  - Connections Context Rendering Plugin
- Dynamic Search Query Overrides
- Enhanced resolution capabilities

The screenshot displays the IBM Connections portal interface. At the top, there's a navigation bar with the IBM logo, user name 'Betty Zechman', and links for 'Actions', 'Log Out', and a search bar. Below this is a secondary navigation bar with links for 'Forums', 'Blogs', 'Wiki Pages', 'My Network Invitations', and 'Kenexa'. A large banner reads 'A SMARTER WORKFORCE MAKES SMARTER BUSINESS' with a colorful gear and rainbow graphic. The main content area is titled 'Recent Discussions' and lists two forum topics. The first topic, 'Password Recovery Emails for applicants', is updated by Paul Clemmons on Apr 15, 2014, and has 5 replies and 3 views. The second topic, 'Has anyone found an effective way to collect basic candidate info without having them fully apply?', is updated by Anna Bauer on Apr 15, 2014, and has 2 replies and 0 views. On the right side, there are sections for 'RELATED EXPERTS' listing Paul Clemmons, Anna Bauer, Betty Zechman, Heather Reeds, and Samantha Daryn, and 'RELATED FILES' listing 'Data Inspiring Action.pdf' and 'The Business Case for Compensation Technology.pdf'.

# Rendering of Forum Topic Details

- Connections resolver detects WCM based details viewer for clicked social object ...

Published Site Edit Mode: OFF IBM

IBM® Betty Zechman Actions Log Out

Forums Blogs Wiki Pages My Network Invitations **Kenexa**

## A SMARTER WORKFORCE MAKES SMARTER BUSINESS

### Recent Discussions

**Password Recovery Emails for applicants**  
Updated by Paul Clemmons on Apr 15, 2014 | Tags: recovery, passwords, kenexa  
Hi all, I seem to be having a large number of applicants claiming to not receive a password recovery email after clicking "Forgot Password". They check their spam/junk and all other folders and try all email addresses they may have originally used to create their account to no avail. I think part of the problem is that it doesn't seem to be a validation when entering username in. Have others experienced this issue as well? This creates problems when we are delivering offer documents for new hires to accept.  
5 | 3 | [View Topic](#)

**Has anyone found an effective way to collect basic candidate info without having them fully apply?**  
Updated by Anna Bauer on Apr 15, 2014 | Tags: kenexa  
We were going to implement Social Source as a CRM, but it was not up to date on browser versions, so we had to remove that from our implementation. While we look into other CRM's, I'm curious if anyone has found a way to collect basic candidate data (contact info and previous job title or employer) without them having to create a login and go through multiple screens.  
2 | 0 | [View Topic](#)

#### RELATED EXPERTS

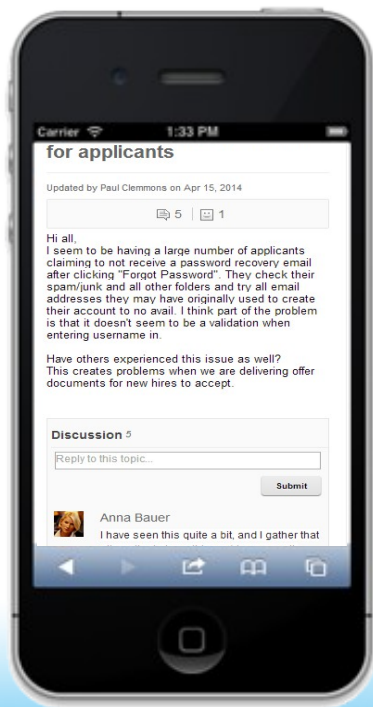
- Paul Clemmons
- Anna Bauer
- Betty Zechman
- Heather Reeds
- Samantha Daryn

#### RELATED FILES

**Data Inspiring Action.pdf**  
Updated by Samantha Daryn on Jan 21, 2014  
0 | 0  
[Download](#)

**The Business Case for Compensation Technology.pdf**  
Updated by Samantha Daryn on Jan 21, 2014

# Rendering of Forum Topic Details



## A SMARTER WORKFORCE MAKES SMARTER BUSINESS



[Show Index Page](#)

### Password Recovery Emails for applicants

Updated by Paul Clemmons on Apr 15, 2014 | Tags: kenexa, passwords, recovery

5 | 1

Hi all,

I seem to be having a large number of applicants claiming to not receive a password recovery email after clicking "Forgot Password". They check their spam/junk and all other folders and try all email addresses they may have originally used to create their account to no avail. I think part of the problem is that it doesn't seem to be a validation when entering username in.

Have others experienced this issue as well?

This creates problems when we are delivering offer documents for new hires to accept.

#### Discussion 5

Reply to this topic...

Submit



Anna Bauer

I have seen this quite a bit, and I gather that other clients have this problem as well. Usually the person entered in an incorrect or different address when creating the account, but this is not always the case. Some just seem to not go out or not be received.

Jan 21, 2014 | 1 | [Reply](#) | [Edit](#) | [Delete](#)



Paul Clemmons

Hi Anna, that matches my experience. Thanks :-)

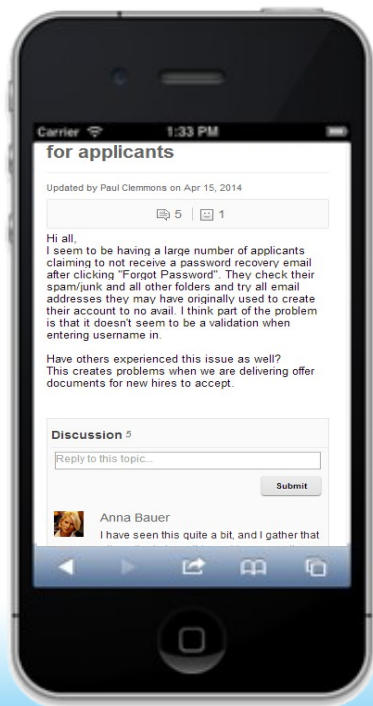
Apr 15, 2014 | 0 | [Reply](#)



Betty Zechman

We've had this as well and after doing some research with the GSC we've been told that if the applicant tries a valid user name with an incorrect password more than two times, the system will lock them out. When they are locked out, if they click the forgot my password link, it will NOT be sent to them. The GSC told

# Rendering of Forum Topic Details



## A SMARTER WORKFORCE MAKES SMARTER BUSINESS



DDC based  
update operations

[Show Index Page](#)

### Password Recovery Emails for applicants

Updated by Paul Clemmons on Apr 15, 2014 | Tags: kenexa, passwords, recovery

5 | 1

Hi all,  
I seem to be having a large number of applicants claiming to not receive a password recovery email after clicking "Forgot Password". They check their spam/junk and all other folders and try all email addresses they may have originally used to create their account to no avail. I think part of the problem is that it doesn't seem to be a validation when entering username in.

Have others experienced this issue as well?  
This creates problems when we are delivering offer documents for new hires to accept.

#### Discussion 5

Reply to this topic...

Submit



Anna Bauer

I have seen this quite a bit, and I gather that other clients have this problem as well. Usually the person entered in an incorrect or different address when creating the account, but this is not always the case. Some just seem to not go out or not be received.

Jan 21, 2014 | 1 | [Reply](#) [Edit](#) [Delete](#)



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# Drag'nDrop Configuration For Social Rendering Connectors

The screenshot displays the IBM Kenexa Social Content configuration interface. The top navigation bar includes 'Published Site', 'Edit Mode: ON', and an IBM logo. The left sidebar shows a tree view with 'Kenexa' as the root, containing 'Page', 'Applications', and 'Content' (which is selected). The main content area is titled 'Content > Social Content' and shows a 'Social Content' section with a 'Contents - 11' list. The list contains 11 items, each with an icon and a label: 'List of People', 'List of Communities', 'List of Forum Topics', 'List of Blog Posts', 'List of Files', 'List of Community Events', 'List of Community Forum Topics', 'List of Community Blog Posts', 'List of Community Content', 'List of Community Files', and 'Forum Topic Details' (which is highlighted with a tooltip). Below the list, a preview of a forum post is visible, titled 'Password Recovery Emails for applicants' by Paul Clemmons, dated April 15, 2014. The post text discusses a password recovery issue. To the right of the post, a list of users is shown: Anna Bauer, Betty Zechman, and Heather Reeds.

Kenexa

Page

Applications

Content

Content > Social Content

Social Content

Contents - 11

Filter: Published Sort: True Order

List of People

List of Communities

List of Forum Topics

List of Blog Posts

List of Files

List of Community Events

List of Community Forum Topics

List of Community Blog Posts

List of Community Content

List of Community Files

Forum Topic Details

1 - 11

Paul Clemmons

Anna Bauer

Betty Zechman

Heather Reeds

**Password Recovery Emails for applicants**

Updated by Paul Clemmons on Apr 15, 2014 | Tags: recovery, passwords, kenexa

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# Extending social rendering using DDC

## **Connections DDC Profiles:**

- Blogs ([ibm.portal.sr.blogs](#))
- Blog details ([ibm.portal.sr.blogs.details](#))
- Blog posts ([ibm.portal.sr.blogs.posts](#))
- Blog post comments ([ibm.portal.sr.blogs.post.comments](#))
- Communities ([ibm.portal.sr.communities](#))
- Community members ([ibm.portal.sr.communities.members](#))
- Forums ([ibm.portal.sr.forums](#))
- Forum topics ([ibm.portal.sr.forums.topics](#))
- Forum topic replies ([ibm.portal.sr.forums.replies](#))
- Forum topic and reply attachments ([ibm.portal.sr.forums.attachments](#))
- Profiles ([ibm.portal.sr.profiles](#))
- Profiles connections ([ibm.portal.sr.profiles.connections](#))
- Social objects ([ibm.portal.sr.search](#))
- Tags ([ibm.portal.sr.tags](#))
- Wiki pages ([ibm.portal.sr.wikis.pages](#))

# Extending social rendering using DDC

## The **[Plugin:ConnectionsContext]** Rendering Plugin

- Allows access to the connections integration context
- The plugin allows access to the following types of information
  - Connections services base URLs
  - Connections integration config settings
  - The community association of the current page
  - The ATOM url of the current social object (after clicking a link to a social object)
- The context URLs are typically used to compute source URLs using the **[Plugin:ResourceURL]** Rendering plugin



# Designing your own DDC based social list

- Understand the Query URL structure that serves your data by consulting the IBM Connections API documentation (

<http://www-10.lotus.com/ldd/appdevwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+4.5+API+Documentation#action=openDocument&content=catcontent&ct=prodDoc>)

- Create the WCM component that builds this URL
  - This can be a simple text field (for static URLs like „give me all public forums“)
  - This can be an HTML component using the [Plugin:ResourceURL] and [Plugin:ConnectionsContext] rendering plugins for dynamic URLs (e.g. „give me all members of the community associated to the current page“)
- Determine the DDC profile capable of consuming the type of data served by this URL (e.g. „Community members“ for the community members query)
- Create or reuse the DDC Appearance component generating the markup for the data based on the given DDC profile
- Build your DDC content item to
  - First: establish the DDC context (using the [Plugin:ListRenderingContext] tag) based on the source URL and the DDC profile and
  - Second: render your DDC appearance component
- **A step by step sample (for creating the community members list) can be found here:**

<https://www.ibm.com/developerworks/community/forums/html/topic?id=15719e66-d785-4918-8a1f-ad4fd62f1b8d>

# Example Data Source Component

How to create the URL that serves all members of the community associated to the current page?

## 1. Look at the API documentation:

[http://www-10.lotus.com/ldd/appdevwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+4.5+API+Documentation#action=openDocument&res\\_title=Getting\\_a\\_list\\_of\\_the\\_members\\_of\\_a\\_community\\_ic45&content=pdcontent](http://www-10.lotus.com/ldd/appdevwiki.nsf/xpDocViewer.xsp?lookupName=IBM+Connections+4.5+API+Documentation#action=openDocument&res_title=Getting_a_list_of_the_members_of_a_community_ic45&content=pdcontent)

Retrieve the members feed to view a list of the members who belong to a given community.

Table 1. Atom API request details

HTTP Method	Sample URL
GET	<code>http://server.example.com/communities/service/atom/community/members?communityUuid=&lt;uuid&gt;</code>

## 2. Build a corresponding HTML component:

### HTML Element

Import

Export

Insert a Tag

Insert a Link

Insert an Image

```
[Plugin:ResourceURL param="communityUuid=[Plugin:ConnectionsContext type='portal' key='communityID']" url="
[Plugin:ConnectionsContext type='service' key='communities']/service/atom/community/members"]
```

# Social Rendering Templates for DDC

This is a set of WCM libraries that show case several DDC based custom lists, details views and interactions

It is meant to be a sample demonstrating the capabilities. Customers can use this to understand the possibilities and to use it as a starting point for their own solutions

The libraries are not part of Portal 8.Next but will become available on the catalog

While the DDC runtime, the social rendering DDC plugin and the DDC profiles for IBM Connections are fully supported, the functionality implemented in this sample libraries comes without support

The libraries can be used on both Portal 8.Next as well as Portal 8001 CF 11

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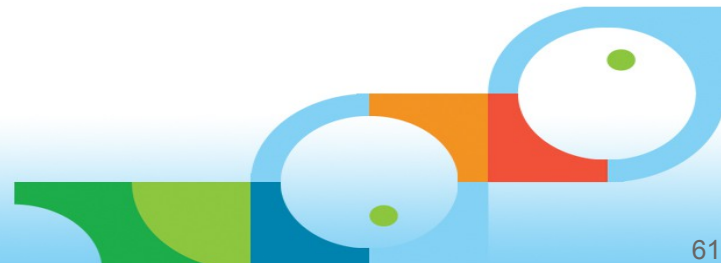
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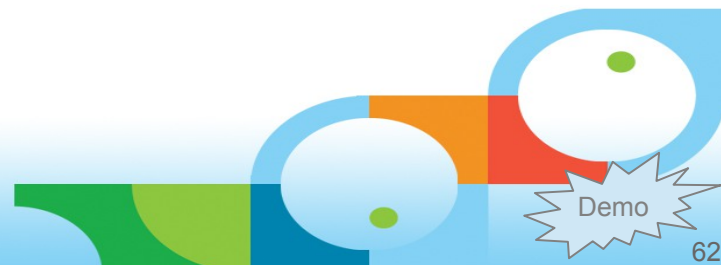
The libraries can be used on both Portal 8.Next as well as Portal 8001 CF 11

# Social Rendering Templates for DDC

- **User Interactions:**
  - Create, delete, like, and unlike blog posts
  - Create, delete, like, and unlike blog post comments
  - Create, delete, like, and unlike forum topics
  - Create, delete, like, and unlike forum topic replies
  - Create, delete wiki page comments
  - Like and unlike wiki pages
  - Accept and reject forum topic replies as answers
  - Join and leave public communities
  - Accept and reject network invitations
  - Invite users to networks
- **Lists:**
  - List of Blogs, Current Blog Details, Current Blog Post Details, Community Blog Details
  - List of Forums, Current Forum Details, Current Forum Topic Details, Community Forum Details
  - List of Community Members, List of Sub Communities, Community Details
  - List of My Pending Network Invitations
  - Current User Profile Details
  - Current Wiki Page Details
- **Dyanmic search term and author Filters**



# Demo



# Social Rendering Templates for DDC: Forums



IBM. Paul Clemmons Actions Log Out

Forums Blogs Wiki Pages My Network Invitations (Kenexa)

## List of Forums

1 - 5 of 7

Sorted by: Date

**Forum**  
Updated by Paul Clemmons | Today 10:09:15

**Kenexa** Community Forum  
Updated by Paul Clemmons | Yesterday 8:22:

**Test**  
Updated by Anna Bauer | Apr 10, 2014 | To

**Pure Systems** Community Forum  
Updated by Paul Clemmons | Feb 4, 2014 | T

**Kenexa Business Partner Comm**  
Updated by Paul Clemmons | Jan 21, 2014 |

Show: 5 | 10 | 50 | All

IBM. Paul Clemmons Actions Log Out

Forums Blogs Wiki Pages My Network Invitations (Kenexa)

Forums > Forum Details

Show Index Page

## Forum: Kenexa

Start a Topic

**Has anyone started using the mail plugin? we are in ti would appreciate any thoughts.**  
Updated by Paul Clemmons | Jan 21, 2014 | Replies (1) | Likes (2) | Ta

**Recruitment - HowTo?**  
Updated by Heather Reeds | Feb 1, 2014 | Replies (6) | Likes (1) | Tag

**Has anyone found an effective way to collect basic ca lly apply?**  
Updated by Anna Bauer | Yesterday 8:20:24 PM | Replies (2) | Likes (0)

**Password Recovery Emails for applicants**  
Updated by Paul Clemmons | Yesterday 8:22:41 PM | Replies (5) | Likes (

Show: 5 | 10 | 50 | All Jump to page 1 of 1

IBM. Anna Bauer Actions Log Out

Forums Blogs Wiki Pages My Network Invitations Kenexa

Forums > Forum Topic Details

Show Index Page



Paul Clemmons

## Password Recovery Emails for applicants

Updated on Yesterday 8:22:41 PM | Tags: kenexa, passwords, recovery

Hi all,  
I seem to be having a large number of applicants claiming to not receive a password recovery email after clicking "Forgot Password". They check their spam/junk and all other folders and try all email addresses they may have originally used to create their account to no avail. I think part of the problem is that it doesn't seem to be a validation when entering username in.

Have others experienced this issue as well?  
This creates problems when we are delivering offer documents for new hires to accept.

Reply

1 Like



Anna Bauer

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Jan 21, 2014

I have seen this quite a bit, and I gather that other clients have this problem as well. Usually the person entered in an incorrect or different address when creating the account, but this is not always the case. Some just seem to not go out or not be received.

Reply Delete

1 Like



Paul Clemmons

## Re: Password Recovery Emails for applicants

Yesterday 8:22:41 PM

Hi Anna, that matches my experience. Thanks :-)

Sample

# Social Rendering Templates for DDC: Blogs

[Anna Bauer](#) | [Actions](#) | [Log Out](#) |

[Forums](#) | [Blogs](#) | [Wiki P...](#)

[Anna Bauer](#) | [Actions](#) | [Log Out](#) |

[Forums](#) | [Blogs](#) | [Wiki Pages](#) | [My Network Invitations](#) | [Kenexa](#)

## List of Blogs

- 1 - 5 of 7
- Sorted by: Date
- [Pure Systems](#) [Ideation Blog](#)
- Created by Paul Clemmons | Apr 2, 2012
- [Paul Clemmons's Blog](#)
- Created by Paul Clemmons | Apr 2, 2012
- [Kenexa](#) Community Blog
- Created by Paul Clemmons | Apr 10, 2012
- [Pure Systems](#) Community Blog
- Created by Paul Clemmons | Apr 2, 2012
- [Anna's Blog](#)
- Created by Anna Bauer | Jan 21, 2014
- Show: 5 | 10 | 50 | All

Blogs > [Blog Details](#)

[Show Index Page](#)

Blog: Kenexa

[Create a Blog Post](#)

## Search Blog Posts

[Clear](#)

### Kenexa Ranked in the Top Tier in HRO Today Magazine's RPE

Updated by Paul Clemmons | Jan 21, 2014 | Likes (4) | Comments (14) | Tags: hro  
WAYNE, Pa. (Sept. 12, 2012) – Kenexa (NYSE: KNXA), a global provider of business resources, today announced it is ranked in the Enterprise top two in HRO Today's Baker's Dozen Customer...

### Two Kenexa Customers Earn Brandon Hall Excellence Award

Updated by Anna Bauer | Jan 21, 2014 | Likes (2) | Comments (1) | Tags: awards  
WAYNE, Pa. (Nov. 5, 2012) – Kenexa (NYSE: KNXA), a global provider of business resources, today announced that two of its customers received a 2012 Brandon Hall Learning, AAA Northern...

### Cargill Selects Kenexa to Conduct Global Employee Engagement

Updated by Anna Bauer | Jan 21, 2014 | Likes (1) | Comments (1)  
WAYNE, Pa. (Oct. 16, 2012) – Kenexa (NYSE: KNXA), a global provider of business resources, today announced that Cargill, an international producer and market...

[Anna Bauer](#) | [Actions](#) | [Log Out](#) |

[Forums](#) | [Blogs](#) | [Wiki Pages](#) | [My Network Invitations](#) | [Kenexa](#)

Blogs > [Blog Post Details](#)

[Show Index Page](#)

### Cargill Selects Kenexa to Conduct Global Employee Engagement Survey Services

Updated by Anna Bauer | Jan 21, 2014

WAYNE, Pa. (Oct. 16, 2012) – Kenexa (NYSE: KNXA), a global provider of business solutions for human resources, today announced that Cargill, an international producer and marketer of food, agricultural, financial and industrial products and services, has agreed to use Kenexa to implement, develop and oversee an employee engagement survey to its entire workforce of 140,000 employees around the world.

Cargill has signed a three-year agreement with Kenexa to administer an employee engagement survey.

"Our commitment to Cargill is to provide its employees with a rich, dynamic survey solution and help the company improve business outcomes through an engaged workforce," said Troy Kanter, chief operating officer at Kenexa.

Cargill selected Kenexa because of Kenexa's global footprint, easy-to-use reporting capabilities and proven track record to oversee a global survey. Kenexa will provide Cargill an employee engagement survey in a web-based format and paper version that will be translated into 29 different languages.


[Add a Comment](#) | [Delete Post](#)

Comments (1)

Betty Zechman commented Jan 21, 2014  
Rocks.


Sample

# Social Rendering Templates for DDC: User Details

Paul Clemmons | Actions | Log Out

Forums | Blogs | Wiki Pages | My Network Invitations | Communities | Kenexa | Kenexa Business Partners

Forums By Author





**Betty Zechman**  
Marketing & Merchandising, Worldwide

Office:  
Mobile number:  
Fax number: 1-301-555-9466  
Office number:  
Emails: bzechman@zetabank.com  
Tags: session2  
Assistant Name:

Export vCard | Invite to My Network


### Recent Blog Posts by Betty Zechman


**Kenexa's Creative Team Named Merit Winner in 2012 In-HOWse Design Awards**

0 | 4 | 

Updated by Betty Zechman on 3/12/14 11:01 AM

WAYNE, Pa. (Oct. 11, 2012) – Kenexa (NYSE: KNXA), a global provider of business solutions for human resources, today announced that projects produced by its in-house creative team were chosen as two

**Bettys Entry for real**

0 | 1 | 

Updated by Betty Zechman on 12/5/13 9:26 PM

Bettys Entry for real

# Social Rendering Templates for DDC: Misc

## List of My Pending Network Invitations



**Betty Zechman**

[Accept](#) | [Ignore](#)



**Heather Reeds**

[Accept](#) | [Ignore](#)

1 - 2 of 2

## Sub Communities



**Kenexa Campaign Management**

Created by [Paul Clemmons](#) | Jan 21, 2014

Members (1)

1 - 1 of 1

[Previous](#) | [Next](#)

## List of Community Members



**Anna Bauer**

[abauer@zetabank.com](#)



**Samantha Daryn**

[sdaryn@zetabank.com](#)



**Heather Reeds**

[hreeds@zetabank.com](#)



**Betty Zechman**

[bzechman@zetabank.com](#)



**Paul Clemmons** Owner

[pclemmons@zetabank.com](#)

1 - 5 of 5

[Previous](#) | [Next](#)



## Kenexa

Created by [Paul Clemmons](#) | Members (5) | Last update: Yesterday 8:22:41 PM | Tags: [kenexa](#), [smarter\\_workforce](#)

This community works on the Kenexa related topics.

[Leave Community](#)

## Community Details

# Social Rendering in context of Social Portal



## Social Integration with Version 8.5

- Building blocks for integrating Connections 4.5
  - WCM Social Rendering
  - Connections Details Portlets
  - Social Media Publisher
  - Community Pages / Community membership based access control
  - Connections Business Card Integration
  - Federated Documents (based on CMIS)
  - Search Integration
  - Navigation Integration using WAI (Web Application Integrator)
  - Tag Federation

# Ready to use User Interface components

WCM Social Rendering	Connections Details Portlets
<ul style="list-style-type: none"><li>• Forum Topic Details</li><li>• List of profiles (Note: Does not list Community members)</li><li>• List of blog posts / community blog posts</li><li>• List of forum topics / community forum topic</li><li>• List of files /community files (includes ccm files if available)</li><li>• List of communities</li><li>• List of community content</li><li>• List of community events</li><li>• List of bookmarks / community bookmarks *</li><li>• List of activities *</li><li>• List of wiki pages *</li><li>• Lists containing all the above or a subset thereof (Mixed lists) *</li></ul> <p>* Can be created by simply re-configuring one of the other portlets</p>	<ul style="list-style-type: none"><li>• Community Overview</li><li>• Activities</li><li>• Blogs</li><li>• Bookmarks</li><li>• Forums</li><li>• Wiki</li><li>• Activity Stream</li><li>• Profiles</li><li>• CCM Library Portlets (Connections 4.5 + CCM extension required )</li></ul>

Recommendation: If applicable for your use case, favor WCM social rendering portlets over IBM Connections portlets.

# Create your own social applications

WCM Social Rendering	Social Business Toolkit
<ul style="list-style-type: none"><li>• Reuse your WCM skills and assets to create interactive and responsive User Interface components</li><li>• By providing custom Authoring templates, Business Users can easily adapt your components for their specific use cases</li><li>• Make use of a broad set of attributes / interactions available as part of the fully supported Social Rendering DDC profiles available in Version 8.Next</li><li>• Easily extend existing or create new profiles in case you lack a specific attribute / interaction</li><li>• You can start developing your app based on Social Rendering Extension Templates for DDC *</li></ul>	<ul style="list-style-type: none"><li>• Reuse your HTML/Javascript skills and assets to create interactive and responsive User Interface components</li><li>• You can start developing your app based on a rich set of samples</li><li>• Create a new portlet easily by combining SBT with the new Script Portlet or extend your existing applications by infusing social information into them.</li></ul>

\* Will be made available separately from Version 8.Next

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