

W3C Directory

Introduction

The LD Community Directory is deliverable of the GLD WG. Details [\[1\]](#)

The Directory lists organizations involved in research, provision of data and/or applications, or deployments of data-driven applications based on Linked Data principles.

- Information is submitted by a representative
- Submissions are open
- The information is represented & available as Linked Data
- Increases the availability of useful Linked Data, demonstrating the value of LD
- Neutrality. The W3C does not endorse any of the organizations listed in the Directory.

W3C Directory Workflow (proposed)

Users:

1) User navigates to Web form on <http://dir.w3.org> and fills out relevant information.

The screenshot shows a browser window titled "Directory Entry Form" with the address bar containing "http://dir.w3.org/directory". The main content area is titled "W3 Directory Entry" and includes a welcome message: "Welcome to the w3.org directory entry form. This is the new alternative to the previous account creation process. Instead of creating an account and managing yet another username and password, you can follow a simple three-step process:". The form is divided into three main sections: "Organization", "Contacts", and "Products, Services or Projects".

Organization

- Company Website:
- Legal Name:
- Type of Organization:
- Additional Information:
- Street Address:
- City:
- State:
- Country:

Contacts

- Name:
- Email:

Products, Services or Projects

- Name:
- Webpage:
- Description:

At the bottom right of the form is a "Submit" button.

2) RDF (Turtle) is generated in raw format as well as a file for download.

Directory Form Generated Output

http://dir.w3.org/output

Generated RDF Output

The output below is the data that will need to be published out on the Web for the directory entry to succeed. You can have the text file emailed to you, download the results as a text file, or copy and paste the results out of the text area. Make sure that file permissions allow third-party users read access to the file.

Raw Output

```
@prefix directory: <http://dir.w3.org/rdf/2012/directory/> .
@prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#> .

<http://example.com> a directory:Organization
; rdfs:label "Example Co."
.
```

Email File

Email address

Download File

3) User receives an email instructing them to publish that file/content somewhere on the Web. The file can be an attachment or downloaded manually from the form.

Email message to joe@example.com

From: dir.w3.org
Date: March 1, 2013 (12:32pm)
Subject: Your Directory Entry File (dir.ttl)

Dear Joe,

Attached to this email is your entry to the W3 Community Directory in RDF Format (dir.ttl). Below are the steps to complete the addition of your entry to the directory.

You're almost done! All you need to do now is:

1. Upload this file on to a top level directory of your Web server. (e.g. <http://example.com/dir.ttl>)
2. Submit the URL to the Community Directory for review and validation at <http://dir.w3.org/submit>.

Important Notes:

- Try to keep your file located at the same URL. If you change its location, please resubmit the URL to the directory
- You can make edits to your file locally and we will automatically retrieve the updates on a weekly basis - no need to resubmit!

From,
W3 Directory Team

- 4) User navigates to URL Submission form on dir.w3.org to submit link to published RDF content.

The screenshot shows a web browser window titled "Directory Entry Submission Form" with the address bar containing "http://dir.w3.org/submit". The main heading is "Submit Your Directory Entry". Below the heading is a paragraph of instructions: "Once you have published your RDF somewhere on the Web, submit the link by entering it in the text box below and clicking 'Submit'. This will initiate the review and validation process. Once this is complete, you will be notified and the directory entry will become live." There is a text input field labeled "URL:" followed by a "Submit URL" button. Below the input field is a note: "NB: Try to keep your file located at the same URL. If you change its location, please resubmit the URL to the directory."

- 5) User is notified via email when the entry has been validated and entered into the directory.

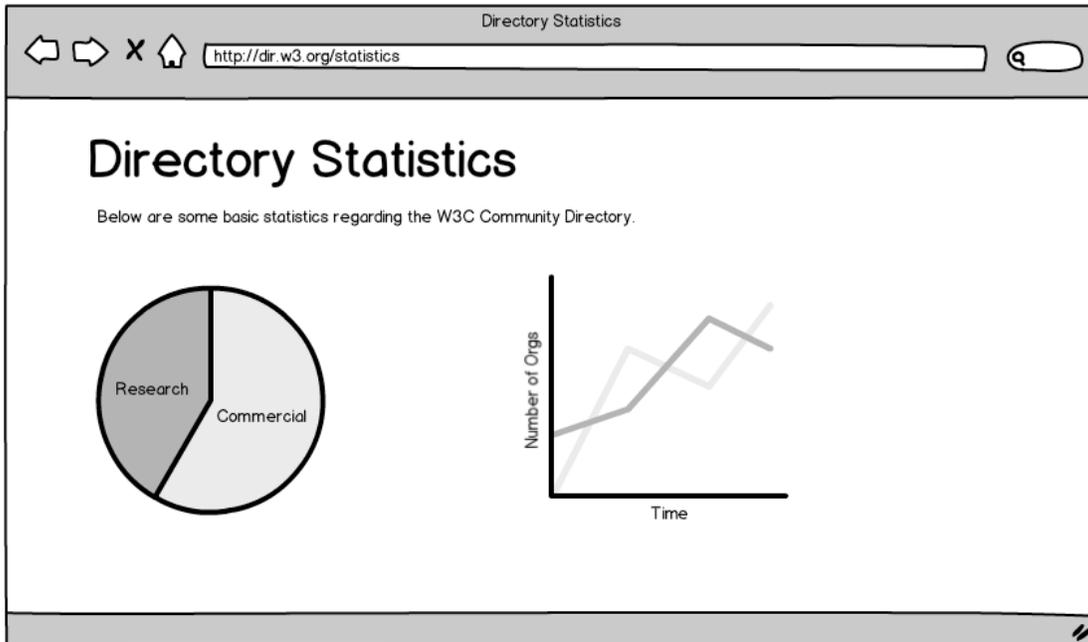
User Interface

User can then interact with the listing either via an alphabetic sort function:

The screenshot shows a web browser window titled "Directory Listing" with the address bar containing "http://dir.w3.org/listing". The main heading is "Directory Listing". Below the heading is a paragraph: "Below is an alphabetical listing of all the members of the W3C Community Directory." There is a row of letters: "# A B C D E F G H I J ...". Below this is a table with three columns: "Company Name", "Website", and "Location". The first row of data is: "Example Co.", "http://example.com", "Somewhere". To the right of the table is a "Download Data" section with two buttons: "As RDF/XML" and "As Turtle".

Company Name	Website	Location
Example Co.	http://example.com	Somewhere

or by viewing visualizations about the current contents of the directory:



Users can also view a specific organization and its projects in a collected view:

The screenshot shows a web browser window titled "Directory Listing" with the URL "http://dir.w3.org/listing". The main heading is "Example Co.". Below the heading, there are several sections:

- Organization**
 - Description**: -A reputable company with many years of experience.
 - Company Type**: -Commercial
 - Website**: -http://example.com
 - Address**: 123 Example St, Example City, Example State, Example Country
- Contacts**: Joe Schmoe, joe.schmoe@example.com
- Download Data**: A box containing two buttons: "As RDF/XML" and "As Turtle".
- Products, Services or Projects**
 - Example Project**: An amazing project that solves all technological issues.
 - URL: http://example.com/project

It is also important to note that users can download the data they see when viewing a specific organization. They can also download the entirety of the directory from the Listing page.

Management:

- 1) System Administrator receives email notification that a new URL has been submitted.
- 2) SA runs script that automatically takes the following steps:
 - 1) Gathers RDF from submitted URL
 - 2) Validates it for syntactic validity
 - 3) Publishes it to the directory
 - 4) Sends email notification to user who submitted the URL to alert them that the entry has been accepted (or denied if it was not valid RDF).

Advantages to this approach:

- 1) We're creating a directory of people doing Linked Data projects using a Linked Data approach. This affords us the ability to link to common/popular Linked Data sets such as DBpedia.
- 2) No need for users or managers to create, manage, or monitor accounts on dir.w3.org.
- 3) Updates can be made locally by users, and as long as the URL doesn't change, the directory will automatically gather those updates and reflect them in the directory.
- 4) Allows other users to easily add to existing data by using the same URI's to describe the same company.
- 5) Keeps the canonical source of the data within the organization's or user's control. The directory does not contain the data, it simply aggregates it.

Current Requirements:

Current requirements for the interface and data that needs to be gathered will not change. It can be found at http://www.w3.org/2011/gld/wiki/Community_Directory_Requirements.