2018-02-22 IDCC - Fedora Workshop

Where

NH Collection Barcelona Tower
Avinguda de la Granvia, 144
L'Hospitalet de Llobregat, 08907
Barcelona, Spain

When

February 2018
9:00am - 4:00pm

Preparations

The workshop will include a hands-on section using a Fedora virtual machine image, so please follow these instructions to get the VM up and running on your laptop.

NOTE: The VM uses 2GB of RAM, so you will need a laptop with at least 4GB of RAM to run it. Depending on your laptop manufacturer, you may also need to enable virtualization in the BIOS.

1. Download and install VirtualBox: https://www.virtualbox.org/wiki/Downloads
2. Download and install Vagrant: http://www.vagrantup.com/downloads.html
3. Download and unzip the 4.7.1 release of the Fedora 4 VM: https://github.com/fcrepo4-exts/fcrepo4-vagrant/archive/fcrepo4-vagrant-4.7.4.zip
4. Using a Command Line Interface, navigate to the VM directory from step 3 and run the command: vagrant up
   a. Note that this step will take a while as the VM downloads and installs a full virtual environment
5. Test the VM by opening your web browser and navigating to: http://localhost:8080/fcrepo
   a. The administrator username/password is fedoraAdmin/secret3

Attendees

- Fernando Rios, The University of Arizona
- Sadia Vancauwenbergh, ECOOM / Information management & data-analysis
- Maria Jose Rementeria, BSC
- Marta Villegas, BSC
- William Ying, Ithaka
- Maria Esteva, Texas Advanced Computing Center
- Paul Durand, Canadian Museum of History
- Susan Borda, University of Michigan
- Jolien Scholten, Vrije Universiteit Amsterdam
- Fernando Martinez, Fundacion Juan March
- Luis Martinez-Uribe, Fundación Juan March
- Sandra Vietgen, German Centre for Higher Education Research and Science Studies

Agenda/Presentations

Time	Topic
9:00 - 9:30	Introductions and virtual machine setup
9:30 - 10:30	Introduction to FAIR Data and Fedora
10:30 - 11:00	Break
11:00 - 11:30	Introduction to FAIR Data and Fedora (continued)
11:30 - 12:30	Linked Data Basics and Data Modelling with PCDM
12:30 - 13:30	Lunch
13:30 - 14:15	External integrations: Messaging, Triplestores, & Solr
14:15 - 14:45	Break
14:45 - 15:30	Data Curation Workflows
15:30 - 16:00	Wrap-up and Discussion

Summary

Fedora is a flexible, extensible, open source repository platform for curating digital content. Fedora is used in a wide variety of institutions including libraries, museums, archives, and government organizations. Fedora supports FAIR data principles by providing services that help make data Findable, Accessible, Interoperable, and Re-usable. Participants will get an introduction to Fedora and learn how to create and manage content in Fedora in accordance with linked data best practices and the Portland Common Data Model. Attendees will also learn how to import resources into Fedora and export resources from Fedora to external systems and services as part of a digital curation workflow.

For more information, please contact David Wilcox (dwilcox@duraspace.org).