

Developer Guide

Fedora Repository

Browser Interface

The application can be accessed through the browser interface for demonstration purposes of the repository's basic functionality. Once deployed (see [Deploying Fedora - Complete Guide](#)) navigate to either `http://localhost:8080/rest` using the one click install or `http://localhost:8080/<war file name>/rest` using the tomcat or jetty servers.

REST API

The primary way for applications to work with a Fedora repository is through the [RESTful HTTP API](#).

- The Fedora HTTP API is generally a RESTful API. HTTP methods like GET, PUT, POST and DELETE are implemented on most resource paths. The API also relies heavily on content negotiation to deliver context-appropriate responses, and a HATEOAS-driven text/html response (providing a decent GUI experience on top of the repository).

Messaging

In addition to interacting with the Fedora application via its [RESTful HTTP API](#), all actions that affect a change in the repository result in a message being emitted. Client tooling can be created to perform asynchronous actions based on those messages.

As a starting point, tooling already exists

- to inspect messages, [How to Inspect Event Messages Generated by Fedora](#).
- to perform common workflows based on Fedora events with a [Fedora / Apache Camel toolbox](#).

Search

To support the differing needs for sophisticated, rich searching, Fedora comes with a standard mechanism and integration point for indexing content in an external service. This could be a general search service such as Apache Solr or a standalone triplestore such as Fuseki or Blazegraph

Frameworks

- [Samvera and Fedora](#)
- [Islandora and Fedora](#)

Contributing to Fedora

Fedora is built with the contributions of developers just like you. If you've found a bug, or have a feature you want to add, we would love your help. Our [Guide for New Developers](#) includes links to our project resources (source code, issue tracker, mailing lists, etc.) and our Git workflow.