

Administrator Guide

Deploying Fedora 4 Complete Guide

Although deploying Fedora 4 is as easy as downloading the WAR file and copying to your servlet container's webapps directory, this document details the process.

Authentication and Authorization

The Fedora 4 Authentication (AuthN) and Authorization (AuthZ) framework is designed to be flexible and extensible, to allow any organization to configure access to suit its needs.

Deploying a Fedora Cluster

To support horizontal scalability use cases as well as geographic distribution, Fedora 4 can be configured as a cluster of application servers.

Metrics Reporting

Fedora 4 is instrumented using Metrics <http://metrics.codahale.com/>. These metrics are exposed via JMX <http://www.oracle.com/technetwork/java/javase/tech/javamanagement-140525.html> and an HTTP API. All REST API operations track timing and histogram information. Key internal API methods are also included. Modeshape <http://modeshape.jboss.org> and Infinispan <http://infinispan.org> include their own metrics reporting over JMX.

Setup Camel Message Integrations

Setup OAI-PMH Provider

This guide will help you setup the OAI-PMH provider for Fedora 4 on Tomcat 7. For further details, please refer to the project's documentation on GitHub <https://github.com/fcrepo4-labs/fcrepo4-oaiprovider>.

ModeShape Artifacts Layout

Performance

The Fedora community has conducted a number of performance tests. The details of each test, including testing parameters and results, are included in the following sections.