

Basic OAI-PMH Provider

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Introduction

The [OAI Protocol for Metadata Harvesting \(OAI-PMH\)](http://www.openarchives.org/OAI/2.0/oai_dc.xsd) is a standard for sharing metadata across repositories. Every Fedora digital object has a primary Dublin Core record that conforms to the schema at: http://www.openarchives.org/OAI/2.0/oai_dc.xsd. This metadata is accessible using Fedora's OAI-PMH Provider Interface. Currently, only the Dublin Core metadata for each object may be disseminated via this interface. The Fedora OAI-PMH Provider Interface uses the standard OAI-PMH syntax and will accept any valid OAI-PMH Version 2 request.

Interface Syntax

The Fedora OAI-PMH Provider Interface is implemented as a java servlet and can be accessed using the following syntax:

```
http://hostname:port/fedora/oai?verb=oai-pmh2.0-verb
```

- **hostname** – required hostname of the Fedora server.
- **port** – required port number on which the Fedora server is running.
- **fedora** – a required part of the Fedora servlet path.
- **oai** – a required part of the Fedora servlet path.
- **verb** – required keyword of the OAI-PMH 2.0 syntax.
- **oai-pmh2.0-verb** – required valid OAI-PMH 2.0 verb.

For example, to request an OAI _Identify_verb request, use a URL similar to the following:

```
http://localhost:8080/fedora/oai?verb=Identify
```

and the Fedora repository will respond with an XML-encoded mime-typed stream providing identification information about the Fedora OAI provider.

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