

# API-M-LITE

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Deprecation of LITE APIs

As of release 3.4-RC1 of Fedora, the "LITE" APIs are deprecated. You are encouraged to migrate any existing code to use the new REST API. The "LITE" APIs will be removed in a future release of Fedora.

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## Introduction

The Fedora API-M-Lite interface is implemented as an HTTP service that provides a simple URI-oriented definition for the Management service of a Fedora repository. It is intended to support a REST-like style of access to the Fedora Management web service (in contrast to a traditional SOAP web service definition). This means that we define a simple URL syntax that can be used to issue management service requests. API-M-LITE does not provide service bindings for all of the operations defined in Fedora's full Management service (API-M). Currently, API-M-LITE only provides bindings for the method listed below. Additional methods will be implemented for API-M-Lite in future releases of Fedora.

- `getNextPID` - gets a list of the requested next available PIDs.

For more information on the method definitions, refer to the API descriptions located at <http://www.fedora.info/definitions/1/0/api/>

## Client Syntax

### `getNextPID`

Syntax:

```
http://hostname:port/fedora/management/getNextPID? [numPIDs=NUMPIDS&] [namespace=NAMESPACE&] [xml=BOOLEAN&]
```

This syntax requests a list of the next available PIDs. The result is returned as a MIME-typed stream. Items enclosed in square brackets are optional.

- `hostname` – required hostname of the Fedora server.
- `port` – required port number on which the Fedora server is running.
- `fedora` – a required parameter specifying the Fedora servlet path.
- `management` – a required parameter specifying the Fedora management servlet path.
- `numPIDs` – a optional parameter specifying the number of PIDs to generate. If omitted, the value defaults to one.
- `namespace` – an optional parameter specifying the namespace to be used in generating the PIDs. If omitted, the value defaults to the value of the `pidNamespace` parameter in the `fedora.fcfg` configuration file.
- `xml` – an optional parameter indicating the format of the response. A value of "false" indicates the response format is HTML. A value of "true" indicates the response format is XML. If omitted, the value defaults to a value of "false".

Examples:

Generate a single PID using the default namespace configured in the `fedora.fcfg` file and return the results as HTML:

```
http://localhost:8080/fedora/management/getNextPID?
```

Generate five PIDs using the default namespace configured in the `fedora.fcfg` file and return the results as HTML:

```
http://localhost:8080/fedora/management/getNextPID?numPIDs=5
```

Generate 5 PIDs using a namespace value of "my-namespace" and return the results as HTML:

```
http://localhost:8080/fedora/management/getNextPID?numPIDs=5&namespace=my-namespace
```

Generate 5 PIDs using the namespace value of "my-namespace" and return the results as XML:

```
http://localhost:8080/fedora/management/getNextPID?numPIDs=5&namespace=my-namespace&xml=true
```

### `upload`

Syntax:

```
http://hostname:port/fedora/management/upload?file=(file)
```

This syntax requests an upload of a file to the Fedora server. The result is a temporary plain text URI which can be used to reference the uploaded file within subsequent API-M method calls, in which case Fedora will resolve the URI to the uploaded file.

An upload request **must** use HTTP POST for submission.

The uploaded file will only be available on the server for a short time, the default timeout being five minutes. You can set a higher value by adding the "uploadStorageMinutes" parameter to your `fedora.fcfg`. This parameter goes in the Management module's configuration section, and specifies the number of minutes after which uploaded content will be automatically deleted if not used.

- hostname – required hostname of the Fedora server.
- port – required port number on which the Fedora server is running.
- fedora – a required parameter specifying the Fedora servlet path.
- management – a required parameter specifying the Fedora management servlet path.
- file – a multipart encoded file

Example:

To perform an upload using an HTML form:

```
<form method="post" action="http://localhost:8080/fedora/management/upload" enctype="multipart/form-data">
  File to upload: <input type="file" name="file" size="50">
  <input type="submit">
</form>
```

## WSDL

When running your own Fedora server, the API-M-LITE WSDL is available at **`/wsdl?api=API-M-LITE`**.

Example:

```
http://localhost:8080/fedora/wsdl?api=API-M-LITE
```

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