Monitoring and PROPFIND

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1. Monitoring the WebDAV exchange

> **Note:**
> We assume you have cocoon HEAD version of the cocoon-2.1.x branch set to be your $COCOON_HOME!
> If you are using 2.0.x and using the default settings then
> $COCOON_HOME=$LENYA_HOME/external/cocoon_2_1_x

```
cd $COCOON_HOME
java -cp lib/optional/axis-1.3.jar org.apache.axis.utils.tcpmon

Enter "Listen Port# 3333" for instance

Select "Act as a... Listener"

Enter "Target Hostname: localhost" for instance
Enter "Target Port# 8888" for instance

Click "Add" and a new tab saying "3333" should show up

Click on this new tab to view the requests and responses

Enter within your favorite webDAV client "http://localhost:3333/default/webdav".
```

2. PROPFIND

The WebDAV client will first send a PROPFIND with Depth = 0. Depending on the response (collection or resource) the WebDAV client will send another PROPFIND with Depth = 1 (collection) or a GET (resource).

Collection:

```
Request
=======

PROPFIND /lenya/blog/authoring/entries/2003/08/24/peanuts/ HTTP/1.1
Pragma: no-cache
Cache-control: no-cache
Accept: text/*, image/jpeg, image/png, image/*, */*
Accept-Encoding: x-gzip, gzip, identity
Accept-Charset: iso-8859-1, utf-8;q=0.5, *;q=0.5
Accept-Language: en
Host: 127.0.0.1
Depth: 0



Response
========

HTTP/1.1 207 Multi-Status
X-Cocoon-Version: 2.1
Set-Cookie: JSESSIONID=320E3B1395B867B5BC42B5FC93457C36; Path=/lenya
Content-Type: text/xml
Transfer-Encoding: chunked
```

```
Date: Mon, 25 Aug 2003 14:27:12 GMT
Server: Apache Coyote/1.0


<?xml version="1.0" encoding="UTF-8"?>
<D:multistatus xmlns:D="DAV:">

<D:response xmlns:lp1="DAV:" xmlns:lp2="http://apache.org/dav/props/">
<D:href>/lenya/blog/authoring/entries/2003/08/24/peanuts/</D:href>
<D:propstat>
<D:prop>
<lp1:resourcetype><D:collection/></lp1:resourcetype>
<D:getcontenttype>httpd/unix-directory</D:getcontenttype>
</D:prop>
<D:status>HTTP/1.1 200 OK</D:status>
</D:propstat>
</D:response>

</D:multistatus>



Request
=======

PROPFIND /lenya/blog/authoring/entries/2003/08/24/peanuts/ HTTP/1.1
Pragma: no-cache
Cache-control: no-cache
Accept: text/*, image/jpeg, image/png, image/*, */*
Accept-Encoding: x-gzip, gzip, identity
Accept-Charset: iso-8859-1, utf-8;q=0.5, *;q=0.5
Accept-Language: en
Host: 127.0.0.1
Depth: 1



Response
========

HTTP/1.1 207 Multi-Status
X-Cocoon-Version: 2.1
Set-Cookie: JSESSIONID=5A87A774B7B29D04DEDBDECC54477E5B; Path=/lenya
Content-Type: text/xml
Transfer-Encoding: chunked
Date: Mon, 25 Aug 2003 14:27:12 GMT
Server: Apache Coyote/1.0


<?xml version="1.0" encoding="UTF-8"?>
<D:multistatus xmlns:D="DAV:">

<D:response xmlns:lp1="DAV:" xmlns:lp2="http://apache.org/dav/props/">
<D:href>/lenya/blog/webdav/entries/2003/08/24/peanuts/index.html</D:href>
<D:propstat>
<D:prop>
<lp1:resourcetype/>
<D:getcontenttype>text/html</D:getcontenttype>
</D:prop>
<D:status>HTTP/1.1 200 OK</D:status>
</D:propstat>
```

```
</D:response>

<D:response xmlns:lp1="DAV:" xmlns:lp2="http://apache.org/dav/props/">
<D:href>/lenya/blog/webdav/entries/2003/08/24/peanuts/charlie.xml</D:href>
<D:propstat>
<D:prop>
<lp1:resourcetype/>
<lp1:creationdate>2003-07-21T13:04:23Z</lp1:creationdate>
<lp1:getcontentlength>3845</lp1:getcontentlength>
<D:getcontenttype>text/xml</D:getcontenttype>
</D:prop>
<D:status>HTTP/1.1 200 OK</D:status>
</D:propstat>
</D:response>

</D:multistatus>
```

3. PUT

The WebDAV client will send a PUT in order to copy a document onto the server.

```
Request
=======

PUT /lenya/blog/webdav/entries/2003/08/29/levi/index.xml HTTP/1.1
Host: 127.0.0.1
User-Agent: Mozilla/5.0 (X11; U; Linux i686; en-US; rv:1.4b) Gecko/20030507
Accept:
text/xml,application/xml,application/xhtml+xml,text/html;q=0.9,text/plain;q=0.8,video/x-mng,i
Accept-Language: en-us,en;q=0.5
Accept-Encoding: gzip,deflate
Accept-Charset: ISO-8859-1,utf-8;q=0.7,*;q=0.7
Keep-Alive: 300
Connection: keep-alive
Content-Type: text/xml
Content-Length: 1641
Cookie: JSESSIONID=1CF7F4C27B737E3603FFC2D4D4C137CE


<?xml version="1.0" encoding="UTF-8"?>
<echo:entry xmlns:echo="http://example.com/newformat#"
xmlns:ent="http://www.purl.org/NET/ENT/1.0/" version="1.0">
    <echo:title>Lenya</echo:title>

    <echo:created>2003-08-29T01:46:45</echo:created>
    <echo:issued>2003-08-29T01:46:45</echo:issued>
    <echo:modified>2003-08-29T01:46:45</echo:modified>

    <echo:content mode="escaped" type="text/plain" lang="en-us">
      Plain Text
    </echo:content>

    <ent:topic id="introductory">Hello</ent:topic>
</echo:entry>


Response
========
```

```
HTTP/1.1 204 No Content
Date: Mon, 18 Aug 2003 14:22:47 GMT
Server: Apache/2.0.46 (Unix) DAV/2
Content-Length: 0
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml
```