

IMAPGenerator

The IMAPGenerator is a new component included within the Mail block.

Simply put, it generates an XML listing of messages from an IMAP mailbox.

Setup

Get the JavaMail API jar from <http://java.sun.com/products/javamail/>, and the JAF activation.jar from <http://java.sun.com/beans/glasgow/jaf.html>. Put them in your `WEB-INF/lib/` directory and restart your servlet container.

Next, include the following line in your `sitemap.xml`:

```
<map:generator
  label="content"
  logger="sitemap.generator.imap"
  name="imap"
  src="org.apache.cocoon.generation.IMAPGenerator" />
```

Usage

Now you should be good to go. The Generator is currently configured via parameters:

```
<map:match pattern="inbox">
  <map:generate type="imap">
    <map:parameter name="host" value="{request-param:host}" />
    <map:parameter name="user" value="{request-param:user}" />
    <map:parameter name="pass" value="{request-param:pass}" />
  </map:generate>
  <map:serialize type="xml" />
</map:match>
```

Sample Output

The generator currently generates XML using the "imap" prefix and the namespace URI of <http://apache.org/cocoon/imap/1.0/>.

```
<imap:imap xmlns:imap="http://apache.org/cocoon/imap/1.0/">
  <imap:messages>
    <imap:msg>
      <imap:subject>sample subject</imap:subject>
      <imap:from>tony collen <foo@bar.org></imap:from>
      <imap:sentDate>Wed Sep 24 21:36:33 CDT 2003</imap:sentDate>
      <imap:num>1</imap:num>
    </imap:msg>
  </imap:messages>
</imap:imap>
```

Note

The IMAPGenerator (along with the entire Mail block) is considered unstable, and the contracts and APIs may change suddenly without warning, such as the output, or method of configuration.