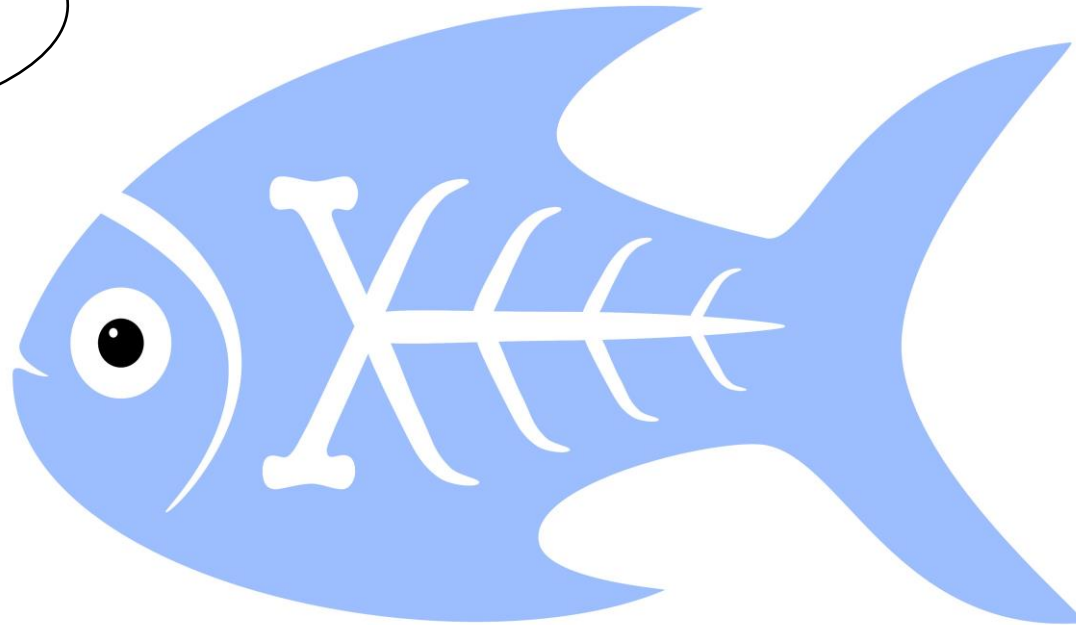


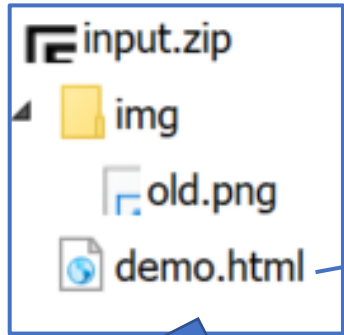
Working with zip files in XProc 3.0

Now you'll see what
I'm capable of!



GIT for this webinar: <https://github.com/xatapult/markupuk-2020>

What's the input?



```
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>XProc demo file</title>
  </head>
  <body>
    <p>The old logo:</p>
    <p>
      
    </p>
  </body>
</html>
```

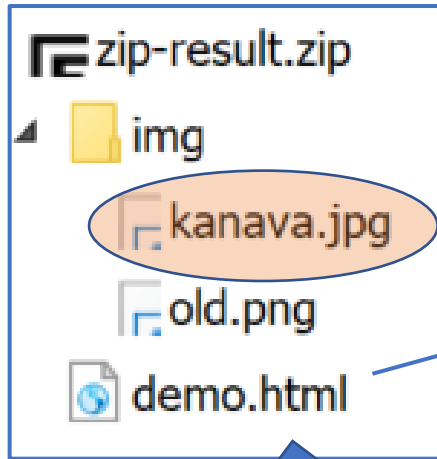
Shows in the browser as...

The old logo:

XProc



What's the desired output?



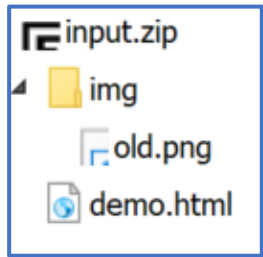
Shows in the browser as...



```
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>XProc demo file</title>
  </head>
  <body>
    <p>The old logo:</p>
    <p>
      
    </p>
    <p>New logo:</p>
    <p>
      
    </p>
  </body>
</html>
```

Of course using an XProc 3.0 pipeline...





Get manifest:
<p:archive-manifest>



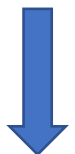
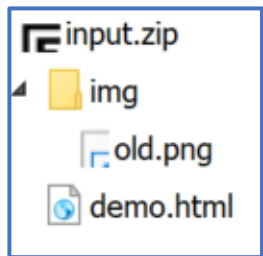
URI of zip file

URI of file in zip

```
<c:archive xmlns:c="http://www.w3.org/ns/xproc-step">
  <c:entry name="demo.html"
    href="file:///.../input/input.zip/demo.html"
    method="deflated"
    size="219"
    compressed-size="150"
    time="2020-02-06T08:19:06+01:00"/>
  <c:entry name="img/old.png"
    href="file:///.../input/input.zip/img/old.png"
    method="deflated"
    size="7522"
    compressed-size="7043"
    time="2019-03-14T15:22:48+01:00"/>
</c:archive>
```

See: markupuk-2020/zip-handling/example/zip-add-new-logo-1.xpl





Get manifest



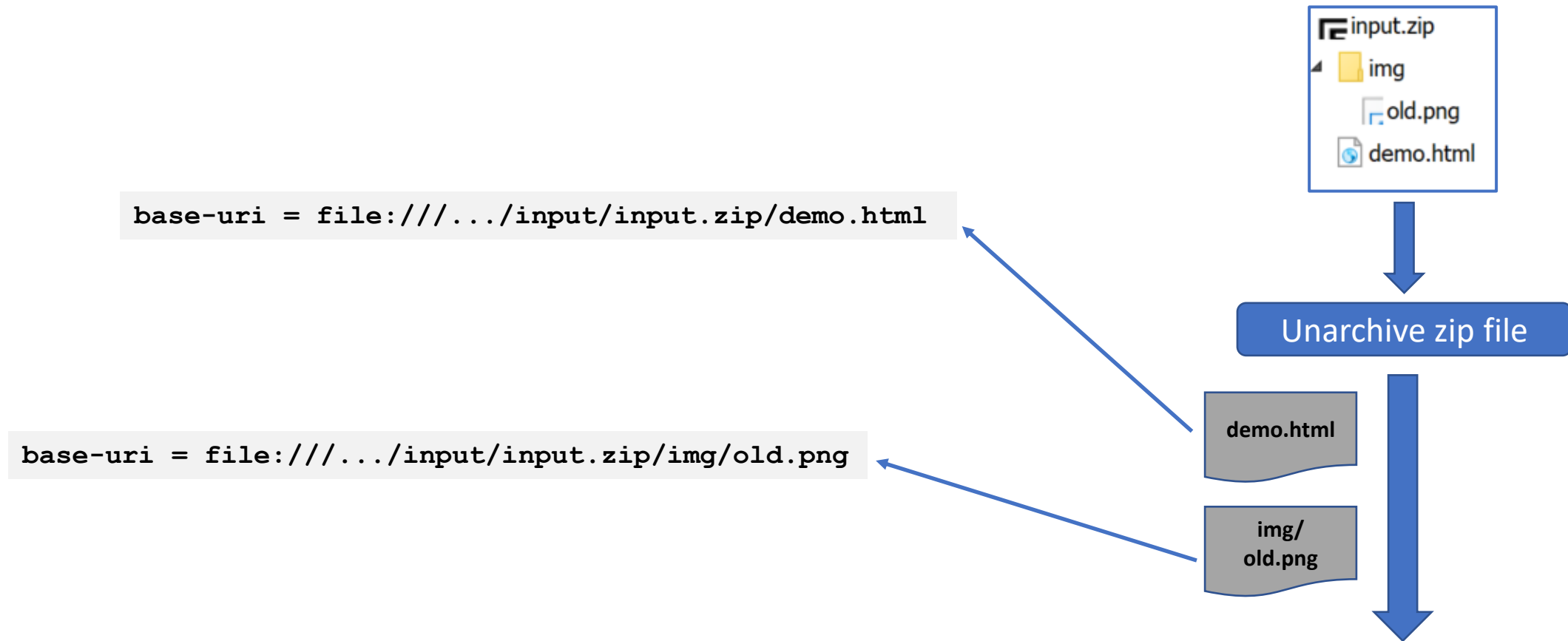
Add reference to new
logo to manifest



```
<c:archive xmlns:c="http://www.w3.org/ns/xproc-step">
  <c:entry name="demo.html"
    href="file:///.../input/input.zip/demo.html"
    method="deflated"
    size="219"
    compressed-size="150"
    time="2020-02-06T08:19:06+01:00"/>
  <c:entry name="img/old.png"
    href="file:///.../input/input.zip/img/old.png"
    method="deflated"
    size="7522"
    compressed-size="7043"
    time="2019-03-14T15:22:48+01:00"/>
  <c:entry name="img/kanava.jpg"
    href="file:///.../additional-images/kanava.jpg"/>
</c:archive>
```

URI of file on disk





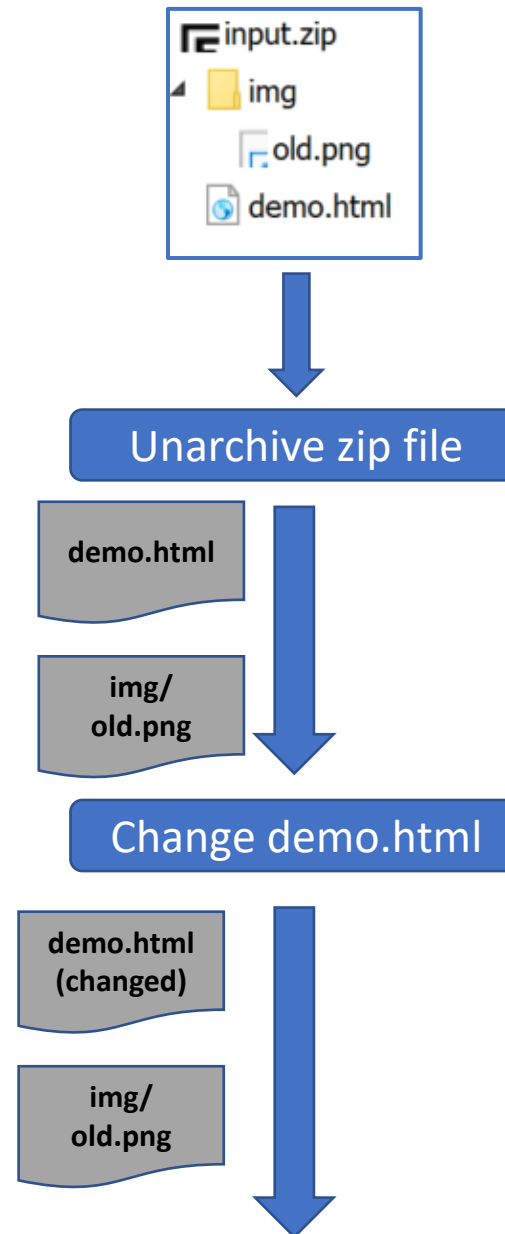
All 2 documents in the archive with property **base-uri** same as **@href** in the manifest!

See: [markupuk-2020/zip-handling/example/zip-add-new-logo-3.xpl](#)



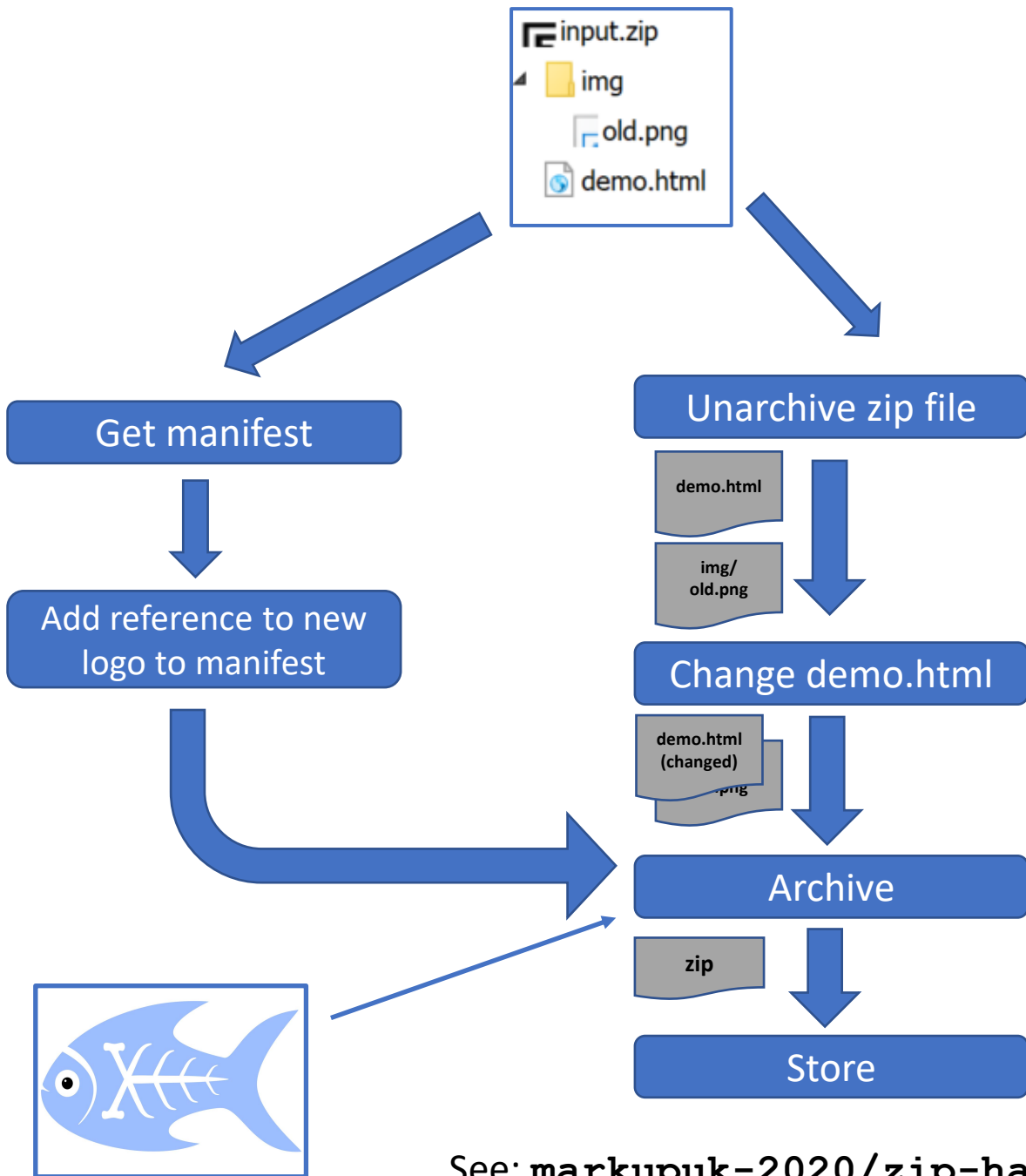
```
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>XProc demo file</title>
  </head>
  <body>
    <p>The old logo:</p>
    <p>
      
    </p>
    <p>New logo:</p>
    <p>
      
    </p>
  </body>
</html>
```

No changes in **base-uri** properties!



See: [markupuk-2020/zip-handling/example/zip-add-new-logo-4.xpl](#)





```
<c:archive xmlns:c="http://www.w3.org/ns/xproc-step">
  <c:entry name="demo.html"
    href="file:///.../input/input.zip/demo.html"
    method="deflated"
    size="219"
    compressed-size="150"
    time="2020-02-06T08:19:06+01:00"/>
  <c:entry name="img/old.png"
    href="file:///.../input/input.zip/img/old.png"
    method="deflated"
    size="7522"
    compressed-size="7043"
    time="2019-03-14T15:22:48+01:00"/>
  <c:entry name="img/kanava.jpg"
    href="file:///.../additional-images/kanava.jpg"/>
</c:archive>
```

- Match documents in the manifest with documents on the source port, by **base-uri** property
- If not, try to load from URI in manifest @**href**

See: [markupuk-2020/zip-handling/example/zip-add-new-logo-5.xpl](#)



Wrap up:

- There are 3 steps for working with archives
 - `<p:archive-manifest>`
 - `<p:unarchive>`
 - `<p:archive>`
- Archive manifest:
 - For finding out what's in an archive
 - For creating an archive
- Select files for the archiving using document's **base-uri** values
 - Either from documents on the **source** port or on disk



Goodbye and thank the fish, again!

Your guide today: Erik Siegel – erik@xatapult.nl

Specification: <https://spec.xproc.org/>

Processors:

- Morgana: <https://www.xml-project.com/>
- Calabash: <https://xmlcalabash.com/>

Articles on XProc: <https://www.xml.com>

Book: <https://xmlpress.net/publications/xproc-3-0/>

See you!
And remember,
Kanava says:
XProc rocks...



Who Am I?

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 - Customers mostly in publishing and standardization
- Part of the XProc 3.0 editing committee
- Writer of the XProc 3.0 Programmer Reference
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