

# RexxLA Websites - eating our own dog food

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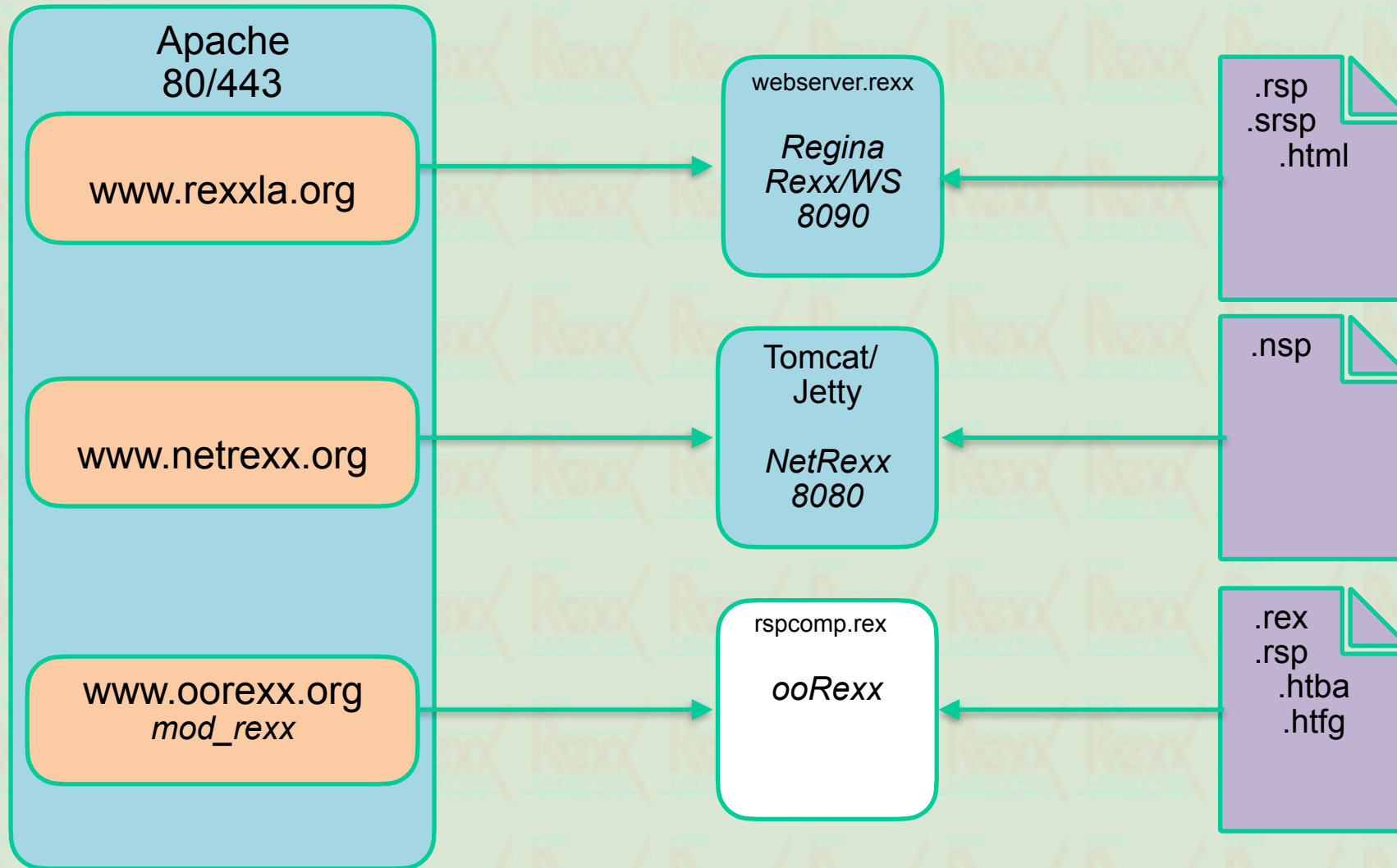


# RexxLA Websites - eating our own dog food

- RexxLA's websites:
  - RexxLA home page <https://www.rexxla.org>
  - ooRexx home page <https://www.oorexx.org>
  - NetRexx home page <https://www.netrexx.org>



# RexxLA Infrastructure



# [www.rexxla.org](http://www.rexxla.org)

- Web server, web socket server (webservice.rexx)
  - Regina, Rexx/WS, Rexx/JSON, Rexx/EEC, Rexx/SQL
  - Virtual Hosts
  - Rexx Server Pages
    - Static and dynamic



# Rexx/WS Rexx Server Pages

- HTML Pages with embedded Rexx code via `<?rex` and `?>` tags

```
<html>
<head>
  <?rex
    ::include includes/head.srsp
  ?>
</head>
<body>
  <h1><?rex x = 'abc'; say x ?></h1>
</body>
```



# Rexx/WS Rexx Server Pages

- Dynamic Rexx Server Pages - .rsp
  - Content changes (possibly) each time visited
  - RSP converted to Rexx code in memory block, `::includes` expanded, Rexx code executed as `INSTORE` to produce html on stdout. html is served
- Static Rexx Server Page - .srsp
  - Content does not change each time visited
  - .srsp timestamp compared to .html and .cache file contents (`::includes`)
  - If timestamp differs, regenerated as per .rsp, and .html saved to disk, otherwise .html is served



- Apache, mod\_rexx - generic process
  - Apache passes requests for .rsp to mod\_rexx
  - Contents of .rsp run through rspcomp.rex
  - rspcomp.rex produces .rex file on disk
  - .rex file runs to produce html on stdout which Apache serves to browser



- Apache, mod\_rexx - [www.oorexx.org](http://www.oorexx.org) process
  - Apache passes requests for .rsp to mod\_rexx
  - Contents of .rsp run through rspcomp.rex
  - rspcomp.rex produces .rex file on disk
  - .rex file generated by rspcomp.rex is run and looks for .htba which can contain *\$\$include file* and *\$\$execute file* statements and writes to stdout which Apache serves to browser





# ooRexx Rexx Server Pages

- HTML Pages with embedded Rexx code via <?rex and ?> tags

```
<html>
<head>
  <!-- $$include csslnk.htfg -->
</head>
<body>
  <h1>
    <?rex
      x = 'abc'; say x
    ?>
  </h1>
</body>
```



# [www.netrexx.org](http://www.netrexx.org)

- Apache, Tomcat, NetRexx, Jetty
  - .nsp code is compiled by developer to Java Servlets
  - Servlets deployed to Jetty (web container)
  - Jetty serves output from called servlet



- HTML Pages with embedded NetRexx code via JSP tags:

```
<html>
<head>
  <%@include file="header.nsp" %>
</head>
<body>
  <h1>
    The time in Hursley is:
    <jsp:useBean id="clocktime" class="com.rvjansen.qtime" />
    <jsp:getProperty name="clocktime" property="out" />.
  </h1>
</body>
```



# Include syntax

NetRexx	<code>&lt;%@ include file="include.nsp" %&gt;</code>
JSP (servlets)	<code>&lt;%@ include file="include.nsp" %&gt;</code>
mod_rexx	<code>&lt;!-- \$\$include include.htfg --&gt;</code>
Apache SSI	<code>&lt;!--#include file="include.ssi"--&gt;</code>
Rexx/WS	<code>&lt;?rexx ::include include.rsp ?&gt;</code>
PHP	<code>&lt;?php include "include.php"; ?&gt;</code>



# More information

- Symposium Presentations
  - [www.rexxla.org](http://www.rexxla.org)
    - [2014 - Rexx/WS](#)
    - [2021 - Rexx in the RexxLA Website](#)
  - [www.oorexx.org](http://www.oorexx.org)
    - 2002 (and 2003) - Mod\_Rexx and Apache - Two Kings United
    - 2009 - Porting mod\_rexx to the new API
  - [www.netrexx.org](http://www.netrexx.org)
    - [2013 - NetRexx Server Pages](#)



# Questions

