

# Example scripts

by Jeff Turner

## 1. Example scripts

These scripts are part of the standard Ant eater distribution.

Script	Description
website.xml	Downloads index.html from the Ant eater website and validates it's contents. Simplest example of client-side Ant eater action, validating one file from an external HTTP server.
postxml.xml	An example of how to POST an XML file (to a listener which then prints it).
uses.xml	Demonstrates the 'uses' tag to ensure the XHTML schemas are downloaded, before trying to validate the XHTML on the w3.org site.
w3.xml	This test downloads an XML spec from the W3C and tests it with XPath and regexp expressions. Regression test for Ant eater's ability to resolve relative DTDs.
haltonerror.xml	Demonstrates haltonerror flag. This flag governs whether a failed action will stop the whole script. By default, it is set to true (see src/META-INF/default.properties). Here we define a group, 'somegroup' which lets us try commandlines like: <code>ant eater -f haltonerror.xml -Dsomegroup.haltonerror=false</code> Which will stop a failing task from halting the build. Specifying <code>-Ddefault.haltonerror=false</code> won't have the same effect, because somegroup descends from 'default' and overrides haltonerror.

catchallcontent.xml	Demonstrates how you can use matcher 'assign's to store the contents of a URL
nomatchers.xml	Demonstrates that if we don't specify any matchers, the test succeeds. This ought to migrate to the regression testing directory.
fileformat.xml	Demonstration of a custom XML log file format, and the ability to not clobber old log files. Also a regression test against <a href="http://www.bibleportalproject.com">www.bibleportalproject.com</a> , checking that XML log files are written on both passes and failures.
report.xml	Demonstrates how to generate a HTML report from a directory full of XML logs.
xpath_regexp.xml	Tests to make sure that the regexp support on the XPath matcher works as advertised.
header.xml	Demonstrates using regexps on the 'header' matcher, and then doing some conditional logic based on the mime type.
session.xml	Template client/server Ant eater script. Copy this and customize.
website-https.xml	Demonstrates Ant eater's HTTPS support by testing the url 'https://www.verisign.com'. Requires jsse.jar and friends.
image_public.xml	Tests a Jakarta image with the 'image' matcher.
postfile.xml	This is a demonstration of how to upload forms via POSTING content of type multipart/form-data. It may even work.
geocoder.xml	A hypothetical geocoder service, accepting an address and returning XML containing latitude and longitude addresses.
utils.xml	This script is a library of targets which other scripts can call, eg:

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soap.xml	Demonstrates how to do a SOAP query
groups.xml	Grouping demonstration from the docs
regexp.xml	Some examples of how to use the regexp matcher, illustrating negation, grouping, and use of singleLine attribute.
logic_listeners.xml	
xpath.xml	Client/server XPath demo. Demonstrates use of namespace declarations
deploy.xml	Demonstrates the 'deploy' task. Deploys resources/sessiondemo.war to the root context, and checks that the testfile.txt file with a few regexp matchers.
book.xml	
content-check.xml	Basic demonstration of Ant eater acting as both a HTTP client and server. 1. A Listener is used to serve a file, resources/responses/good.html 2. A httpRequest then requests the file. 3. The listener serves it up. 4. The httpRequest validates the contents against the original file
image.xml	Demonstrates the various binary formats that can be (slightly) validated. Currently (2002-09-28), we can validate: application/x-shockwave-flash image/bmp image/gif image/iff image/jpeg image/pcx image/png image/psd image/ras image/x-portable-bitmap image/x-portable-graymap image/x-portable-pixmap
website-https-bad-cert.xml	Demonstrates Ant eater's HTTPS support for sites with invalid certificates by testing the url 'https://www.caserver.com'. Requires jsse.jar and friends.
template.xml	Template client/server Ant eater script. Copy this and customize.
contentequals.xml	Demonstrates basic usage of the 'contentEquals' matcher.

redirect.xml	Demonstrates redirect (302) handling
jelly.xml	Demonstrates Ant eater's support for dynamically creating element bodies with Jelly
groups_simple.xml	Grouping demo ----- In this demo, groups are used to simplify the test script. Please see the source for details.
logic_online.xml	Script which exercises the 'match' element's assign attribute, in order to perform conditional logic based on whether the match task succeeded. In this example, first we 'check' if the site is online (return HTTP 200 responses to '/' request), and if so, check whether the 'Server' header indicates the server is Apache. If so, print a message, if not, print another.
httppost.xml	Demonstrates the ways in which matchers can be used, for setting and testing HTTP requests and responses.
filerequest.xml	Demonstrates a 'fileRequest' action task, which tests a local file (not requiring a servletContainer
ant15_broken_example.xml	An attempt at getting Ant eater running under vanilla Ant 1.5.
interactive.xml	Demonstrates various ways to use listeners. These tests require user interaction, ie telnetting to a port. Instructions are provided interactively.
logger.xml	
logic_conditional.xml	Simple demonstration of using <match assign="."> in a httpRequest, and then doing some conditional logic. In this case, we flag if the server is online, and then print a message indicating if it is or not.
logic_servertest.xml	Script which exercises the 'match' element's assign attribute, in order to perform conditional logic based on whether the match task succeeded. Also demonstrates regexps in the 'header' matcher. In this example, first we 'check' if the site is online (return

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	HTTP 200 responses to '/' request), and if so, we run a set of matchers to determine what HTTP server the site is running:
relaxng.xml	Demonstration of the 'relaxng' matcher.