

Testing ArrowHead

0.2.3

by Terence Haddock

This How-To describes test ArrowHead

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1. Overview

This How-To describes test ArrowHead

1. Prerequisites

- Everything described in the [Installation How To](#) (howto-install.html) and [Compiling How To](#) (howto-compile.html)
- Installed and running PostgreSQL server - tested against 7.4.2. Available [Here](#) (<http://www.postgresql.org>) .
- PostgreSQL JDBC driver - tested against pg74.213.jdbc4.jar. Available [Here](#) (<http://jdbc.postgresql.org/download.html>) .

Note:

The ADODB interface implemented is meant to be used against many databases, not just PostgreSQL. The ADODB code uses features available only with JDBC3 drivers, so this rules out many JDBC-capable databases, such as HSQLDB. However, the most common ADODB functions should be available with any database, including JSQLDB, MySQL, etc... To test against other databases, configure the file test/config/ADODB.inc for your database.

2. Steps

2.1. Prepare the Database

- Install PostgreSQL, make sure it is listening for TCP/IP connections. Add the user "test" with the password "test". Create the database "asptest", and execute the following SQL commands as the "test" user in the database "asptest":

```
CREATE TABLE test (
  IntField INTEGER PRIMARY KEY, StringField VARCHAR(64) NOT
  NULL, NullableStringField VARCHAR(64), NullableIntField
  INTEGER ); INSERT INTO test (StringField, IntField) VALUES
  ('First Row', 1); INSERT INTO test (StringField, IntField)
  VALUES ('Second Row', 2); INSERT INTO test (StringField,
  IntField) VALUES ('Third Row', 3); INSERT INTO test
  (StringField, IntField) VALUES ('Fourth Row', 4); INSERT
  INTO test (StringField, IntField) VALUES ('Fifth Row', 5);
  INSERT INTO test (StringField, IntField) VALUES ('Sixth
  Row', 6); INSERT INTO test (StringField, IntField) VALUES
  ('Seventh Row', 7); INSERT INTO test (StringField, IntField)
```

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```
VALUES ('Eighth Row', 8); INSERT INTO test (StringField,
IntField) VALUES ('Ninth Row', 9); INSERT INTO test
(StringField, IntField) VALUES ('Tenth Row', 10); INSERT
INTO test (StringField, IntField) VALUES ('Eleventh Row',
11); INSERT INTO test (StringField, IntField) VALUES
('Twelfth Row', 12); INSERT INTO test (StringField,
IntField) VALUES ('Thirteenth Row', 13); INSERT INTO test
(StringField, IntField) VALUES ('Fourteenth Row', 14);
INSERT INTO test (StringField, IntField) VALUES ('Fifteenth
Row', 15);
```

2.2. Prepare the Webapp

- After installing and preparing the database, prepare the webapp by executing: `$ ant prep-test`

2.3. Configure Tomcat

- Configure Tomcat to point the "asptest" context to the "test" subdirectory created by "ant prep-test". Here is an example section from server.xml to configure this: `<Service name="Catalina"> <Connector port="8080"/> <Engine name="Catalina" defaultHost="localhost"> <Host name="localhost" appBase="webapps"> <Context path="/asptest" docBase="/the/location/of/arrowhead/test"/> </Host> </Engine> </Service>`
- With this configuration, when you browse to:
`http://localhost:8080/asptest/misc/test-comments1.asp` The following should be seen in the browser window: Here is a test of single quote comments. HiHi

2.4. Running the Acceptance Tests

- With everything in place, just run: `$ ant test`
- The testing report will be available in: `report/html/junit-noframes.html`

2.5. Testing against a Servlet Server on a different machine

- To test against a Servlet Server on a different machine, edit build.xml and change the line: `<property name="asptest.server" value="localhost:8080"/>` to reflect which server to test against.