



Spitfire Status

Everyone

AXIS integration

- ◆ Interfaces are written, code ~there.
 - ...to do.
- ◆ The problem about choosing endpoint other than 'localhost' a non-problem – just specify a URL in the call to the client stub.

Implementation

- ◆ Most functionality was there, albeit not well tested
- ◆ CVS coup... ;-)) a few new methods added and API improved (implemented?)
 - Select sends back resultset as a serialized javabean or rowset XML string
 - Poolman added

Implementation: To do

- ◆ Some DBInfo methods
 - Mostly done previously
- ◆ Some of the new SpitfireBase methods
 - Implemented?
- ◆ Security API to-do
 - Dynamic update of roles – db table
 - To integrate... design these tables.
 - VOMS

Impl...

- ◆ createDatabase(dbName)

- ◆ dropDatabase(dbName)

- ◆ Do we want these?

Scope

◆ Currently Application scope

- Thread problems. Our code is not synchronized. Fix it...

◆ Possible request scope

- New instance per call.. Expensive..

◆ Session scope

- Per session.. Need extra client side logic to cope with sessions – is it Axis specific?

Authentication

- ◆ Problem about using SSL solved – just specify an 'https' endpoint and set a (Axis) system property with the name of the SSLSocketFactory to use for GSI authentication.
- ◆ Gian Luca's SSLSocketFactory factored out and absorbed into security module

Authorisation

- ◆ Axis grabs certificate from ServletContext
- ◆ Authorisation Axis handler working
- ◆ Non VOMS:
 - Requested role and policy send in SOAP header - set by system property in client
- ◆ VOMS:
 - Still to integrate

Current security

- ◆ Security is there...
 - One problem with BouncyCastle in the head release to be resolved.
- ◆ Previous version available so we can keep developin'

V2.0.0 decoupled from Tomcat

```
tar xvfz jakarta-tomcat-4.0.4.tar.gz
```

```
cd $CATALINA_HOME/webapps
```

```
ln -s $WP2_HOME/edg-spitfire-server/  
build/webapp spitfire {planning WAR file}
```

```
cd $CATALINA_HOME/lib
```

```
cp $WP2_HOME/edg-tools/axis/lib/*.jar .
```

```
cp $WP2_HOME/edg-tools/log4j/lib/*.jar .
```

V2.2.0 security

- ◆ Security code will patch server.xml now
 - Add HTTPS connector with trustmanager
 - ◆ All security jars + BouncyCastle go in \$CATALINA_HOME/lib
 - ◆ Rewrite script... XSLT.
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- ◆ We need to define how we manage the authorisation roles and mappings i.e. security API