

Tomcat

For the DLP Infrastructure Project, we have not yet defined a set of supported versions of various libraries, but we currently use these settings:

- Tomcat 5.5, set up within MyEclipse.
- You must have xercesImpl.jar in the jre/lib/ext folder of the Java installation that Tomcat is using (or elsewhere in Tomcat's classpath).
- In the Eclipse preferences dialog, under MyEclipse/Application Servers/Tomcat5/JDK, in "Optional Java VM Arguments":
 - -Djavax.xml.parsers.DocumentBuilderFactory=org.apache.xerces.jaxp.DocumentBuilderFactoryImpl
 - -Djavax.xml.parsers.SAXParserFactory=org.apache.xerces.jaxp.SAXParserFactoryImpl
 - -Djavax.xml.transform.TransformerFactory=net.sf.saxon.TransformerFactoryImpl
 - -Djavax.xml.xpath.XPathFactory=net.sf.saxon.xpath.XPathFactoryImpl
 - -Djavax.xml.xpath.XPathFactory:<http://saxon.sf.net/jaxp/xpath/om=net.sf.saxon.xpath.XPathFactoryImpl>
 - -Xmx1024M
- Make sure there is a log4j.properties file in Tomcat's common/classes directory. It should define a log4j.rootLogger as well as a log4j.logger.edu.indiana

Tomcat troubleshooting

If something strange is happening in Tomcat, try these steps in order, and stop when you find one that fixes the problem:

- Restart the webapp
- Restart Tomcat
- Stop Tomcat, delete the Tomcat/work directory, and start Tomcat

LambdaProbe

[LambdaProbe](#) is an application that provides enhanced monitoring of Tomcat's services. To make full use of it, you must have this environment variable set in the environment that runs Tomcat:

- CATALINA_OPTS="-Dcom.sun.management.jmxremote"

Tomcat 6

The DLP is upgrading to Tomcat 6 in 2010. Testing is currently underway. Please read the [Tomcat 6 notes](#) before preparing to test your webapp.

Policies and Best Practices

Please see the [Tomcat Policies and Best Practices](#) page.