Running JBoss Enterprise Application Platform 4.3 with JavaSE 6

We have successfully certified JBoss Enterprise Application Platform 4.3.0.GA_CP01 to run with Sun JDK 6. The configurations used in the testing are:

Sun JDK 6, Update 5
EAP 4.3.0.GA_CP01
Platform Configurations: RHEL-4.5 x86, x86_64 and RHEL-5.2 x86, x86_64

Setup Required:

- JavaSE 6 includes includes support for JAX-WS, Version 2.1.   Before starting your server, you need replace the APIs included in JDK 6 with the JBossWS jars by simply copying the following jars to ${JBOSS_HOME}/lib/endorsed from ${JBOSS_HOME}/server/production/lib:

    * jboss-jaxrpc.jar
    * jboss-jaxws.jar
    * jboss-saaj.jar

- In order to run testng tests in Jboss Developer Studio on EAP4.3 with JDK6 the user must add "-Dsun.lang.ClassLoader.allowArraySyntax=true" to the VM arguments for the testng runner/debugger

Known issues:
The issues listed below with hibernate are to be fixed in the second cumulative patch release of EAP 4.3

- In our testing, we have seen an issue when an ORB gets prematurely destroyed when using Sun JDK 6 and is consistent with the the issue described in Sun Bug ID: 6520484.   For detailed description of the problem and potential workaround, see:
  http://bugs.sun.com/bugdatabase/view_bug.do;jsessionid=fd40a0e2c4c9b79adab12ca088bd?bug_id=6520484

- Unimplemented methods in Hibernate for JDK 6 interfaces. NoSuchMethodError occurs when trying to use these methods with JDK 6.
  JBPAPP-916

- Merge can fail when there is a transient entity reachable by multiple paths and atleast one path does not cascade on merge
  JBPAPP-915

- Bad usage of ClassLoader.loadClass() for Java6 in SerializationHelper $CustomObjectInputStream - deserialization bottleneck for arrays
  JBPAPP-906

- sun.lang.ClassLoader.allowArraySyntax should be set to "true" in run.conf to avoid deserialization bottleneck in arrays for JDK 6
  JBPAPP-907

References:

- Other JavaSE 6 reference documentation:
  http://java.sun.com/javase/6/webnotes/compatibility.html
  http://java.sun.com/javase/6/webnotes/adoption/adoptionguide.html